



CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY STANDING ADVISORY COMMITTEE MEETING

Committee Members

Brenton Kelly (Chair)	Jake Furstenfeld	Roberta Jaffe
Brad DeBranch (Vice Chair)	Jean Gaillard	Vacant
Louise Draucker	Joe Haslett	Vacant

AGENDA

April 27, 2023

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee meeting to be held on Thursday, April 27, 2023, at 5:00 PM at the **Cuyama Valley Family Resource Center 4689 CA-166, New Cuyama, CA 93254**. Participate via computer at: <https://rb.gy/z1a0y> or by going to Microsoft Teams, downloading the free application, then entering Meeting ID: 224 965 852 072 Passcode: nLqVA, or telephonically at (469) 480-3918, Phone Conference ID: 557 523 272#.

The order in which agenda items are discussed may be changed to accommodate scheduling or other needs of the Committee, the public or meeting participants. Members of the public are encouraged to arrive at the commencement of the meeting to ensure that they are present for Committee discussion of all items in which they are interested.

Teleconference Locations:

4689 CA-166 New Cuyama, CA 93254	1850 Miranda Canyon New Cuyama, CA 93254	6836 Mt. Lassen Ave Joshua Tree, CA 92252	11601 Bolthouse Drive, Suite 200 Bakersfield, CA 93311
-------------------------------------	---	--	---

In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, to participate in this meeting, please contact Taylor Blakslee at (661) 477-3385 by 4:00 p.m. on the Wednesday prior to this meeting. The Cuyama Basin Groundwater Sustainability Agency reserves the right to limit each speaker to three (3) minutes per subject or topic.

1. Call to Order (Kelly) (1 min)
2. Roll Call (Kelly) (1 min)
3. Pledge of Allegiance (Kelly) (2 min)
4. Update on SAC Membership (Kelly) (3 min)

ACTION ITEMS

5. Approval of March 23, 2023, Minutes (Kelly) (3 min)
6. Discuss and Take Appropriate Action on Resolution No. 2023-051 Adopting Final Groundwater Allocations in the Central Management Area for 2023 and 2024 (Dominguez/Beck) (45 min)
7. Review and Take Appropriate Action on Supplemental Section to GSP Sustainability Thresholds Chapter and Authorize 90-Day Notice to Cities and Counties for an Amendment to the GSP (Beck/Dominguez/Van Lienden) (75 min)

REPORT ITEMS

8. Technical Updates
 - a. Update on Groundwater Sustainability Plan Activities (Van Lienden) (2 min)
 - b. Update on Monitoring Network Implementation (Van Lienden) (2 min)
 - c. Update on Opti Data Management System (DMS) Enhancements (Van Lienden) (15 min)

9. Administrative Updates

- a. Report of the Executive Director (Beck) (1 min)
- b. Report of the General Counsel (Dominguez) (1 min)
- c. Board of Directors Agenda Review (Beck) (3 min)

10. Items for Upcoming Sessions (1 min)

11. Committee Forum (1 min)

12. Public Comment for Items Not on the Agenda

At this time, the public may address the Committee on any item not appearing on the agenda that is within the subject matter jurisdiction of the Committee.

13. Correspondence (1 min)

14. Adjourn (7:53 p.m.)

2023

Board Ad hocs

CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

1	Adaptive Management	Anselm Bantilan Vickery Yurosek
2	Basin-Wide Water Management Policy	Anselm Bantilan Williams, Deborah Yurosek
3	Fiscal Year 2023-2024 Budget	Bantilan Vickery Williams, Das Williams, Deborah Wooster
4	Central Management Area Policy	Anselm Bantilan Vickery Williams, Deborah Wooster
5	Grant-Funded Items	Albano Vickery Williams, Das Williams, Deborah
6	Unknown Extractors	Anselm Vickery

Cuyama Basin Groundwater Sustainability Agency Standing Advisory Committee Special Meeting

March 23, 2023

Draft Special Meetings Minutes

PRESENT:

Kelly, Brenton – Chair
DeBranch, Brad – Vice Chair
Furstenfeld, Jake
Gaillard, Jean
Haslett, Joe
Roberta Jaffe

Beck, Jim – Executive Committee Member
Blakslee, Taylor – Project Manager
Dominguez, Alex – Legal Counsel
Van Lienden, Brian – Woodard & Curran

ABSENT:

Draucker, Louise

1. Call to Order

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Standing Advisory Committee (SAC) Chair Kelly called the meeting to order at 5:07 p.m. and Hallmark Group Project Manager Taylor Blakslee provided direction on the meeting protocols in facilitating a remote meeting.

2. Roll Call

Hallmark Group Project Manager Taylor Blakslee called roll of the Committee (shown above).

3. Pledge of Allegiance

Chair Kelly led the pledge of allegiance.

4. Update on SAC Membership

Chair Kelly reported that there remain two vacancies for representatives of the Hispanic community and said if anyone knows someone that is interested in serving to let himself or Mr. Blakslee know.

5. Update on DWR's GSP Determination

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Executive Director Jim Beck provided an update on the California Department of Water Resources' recommended approval of the Groundwater Sustainability Plan (GSP)

Committee Member Jaffe congratulated staff and the Board and said she is hopeful that the SAC and Board will step up and take action with the community in mind.

Committee Member Gaillard commented that the first phase is important to put the plan in action and hopes the GSP is put into reality.

Committee Chair Kelly commented he appreciates staff's work with SAC members and looks forward to continued implementation of the GSP.

ACTION ITEMS

6. Approval of Minutes

Chair Kelly opened the floor for comments on the January 5, 2023, CBGSA SAC meeting minutes.

MOTION

Committee Member Jaffee made a motion to approve the January 5, 2023, CBGSA SAC meeting minutes. The motion was seconded by Committee Member DeBranch, a roll call vote was made, and the motion passed.

AYES: DeBranch, Furstenfeld, Gaillard, Jaffe, Kelly
 NOES: None
 ABSTAIN: None
 ABSENT: Draucker, Haslett

7. Discussion and Appropriate Action Variance Findings

Mr. Beck provided a background of the original and second variance process, which is provided in the SAC packet. He reported the ad hoc (Directors Anselm, Bantilan, Vickery, Wooster) spent many hours reviewing the second variance requests.

CBGSA Legal counsel Alex Dominguez reported that the variance requests were submitted by March 3, 2023 and outlined the detailed review process that is summarized in the SAC packet.

Committee Member Jaffee thanked staff for the implementing the process and expressed how important it is for SAC voices to be heard and commented that the ad hoc recommendations for the variance requests makes sense. Committee Member Jaffe asked for clarification on Bolthouse's request to use the Cuyama Solar water allocation and said she understands the land has been essentially fallow since it was sold, but the variance request essentially puts the water back into use. Mr. Dominguez noted the transaction occurred in 2016 and Bolthouse reserved the water rights with that property and has been exercising that right on its other lands. He said it is not accurate to say that land was fallowed since Bolthouse continued to exercise that water on its other properties. Mr. Beck reminded the SAC that the Board decided to base the allocations on the average historic water use from the 1998-2017 period.

Committee Member DeBranch thanked the ad hoc and staff for their review time and generally agreed with the variance recommendations, however, he noted that he did not understand the ad hoc's recommendation to remove a landowner from the Central Management Area. Mr. Beck responded the original modeled hydrologic boundary was determined by the model, but the Board decided to use an operational boundary for ease of administration. Mr. Beck continued to say the ad hoc believed a variance was warranted due to the potential margin of error in the modeling or parcel data. Committee Chair Kelly commented this was one of the best ad hoc recommendations made.

Stakeholder and variance requester David Lewis reported that the percent his property was in the CMA was by 0.4 acres, or 13.2 feet.

Mark Ellsworth with Duncan Family Farms reported they will only be able to farm roughly a third of the crops they farmed in the past. He continued to explain the ad hoc requested supplemental data, which was provided on March 17, 2023, and he hopes that will positively inform the ad hoc recommendation. He requested the CBGSA accurately reflect what is being farmed. Mr. Ellsworth noted that reference evapotranspiration zone 10 is not accurate in the model for their area in Cuyama and the precipitation data was off as well and did not match the CIMIS station data that is near their property.

Committee Member Haslett joined the meeting at 5:59 p.m.

Mr. Dominguez noted that the supplemental data was received and the ad hoc reviewed the information and staff expects to provide that revised recommendation by tomorrow.

Committee Chair Kelly commented Duncan has been one of the most supportive landowners in the community and hiring people and putting them up at the Buckhorn.

Duncan Family Farm Legal Counsel Derek Hoffman commented there was likely an underestimation of the cropping from the 2010-2017 period which was provided in the supplemental data.

Jim Markman with Sunrise Ranch said the problem is that Sunrise Ranch does not know what the CBGSA did in determining the allocations and have had Stetson Engineering working on this for months. Mr. Markman commented that Sunrise Ranch gathered all the hard data they could from the electrical meters and there is no better data and for that period. He noted they variance request was a minor adjustment, but the data was rejected by the ad hoc since the ad hoc said the model used the best available data. Mr. Markman commented that Sunrise Ranch is on the border of the CMA and they did not get to escape like the previous variance requester and said they are practically a de minimis user compared to the nearby irrigator outside of the CMA. Mr. Markman asked how the allocations were determined.

Mr. Hoffman agreed with Mr. Markman's comments and said that he does not understand how the allocations were made and has similar concerns as Mr. Markman.

Mr. Dominguez commented that several variance requesters asked for model data, which was provided, and Woodard & Curran (W&C) Project Manager Brian Van Lienden was present at consultation meetings to answer any questions the variance requestors had on the model data.

Committee Member Jaffe said using the historic use is not an equitable way to allocate water and said it is very important to consider different ways to allocate water use in the future.

Committee Member Haslett commented that ground truthing of the model has not been successful and impacts to small pumpers is blatantly wrong and expects many of these issues will be settled in court and not in the Board room.

Committee Chair Kelly said that historic abuse got us into this mess for over three decades and the Board needs to look at other approaches. He continued to say this is the best we can do for two years and will be discussed in detail for the 2025 update and the CBGSA should learn from this process and commended staff and the ad hoc for going through this variance process.

The SAC tabled this item and said they would provide any specific comments at the Board meeting.

Committee Member Jaffe said it is critical to look at lessons learned from the allocation implementation including: 1) considering alternatives to historic water use, and 2) considering equitable application of the allocation wholistically.

8. Approve Annual Report

Mr. Van Lienden provided an overview of the Water Year 2021-2022 Annual Report which is provided in the SAC packet.

Committee Member Haslet asked if the change in groundwater storage was representative of all monitored wells and said it was disingenuous to say the groundwater storage has changed by -38,500 acre-feet, where certain areas of the basin have not changed very much. He continued to say it is not representative of the basin and recommended breaking down the information by region.

Chair Kelly commented there is some disingenuous language that describes trends and other areas that note significant overdraft which should be reconciled.

Committee Member Jaffe commented the change in groundwater storage is appalling and this is a very serious problem and hopes this is addressed in the future.

Committee Member Gaillard said he has many comments but recommends recalculating much in the report.

Chair Kelly reported that he submitted several corrections and appreciates staff consideration and expressed concerns on the consistency of how the data is presented. He continued to express concern on the missing water quality samples and said while samples were taken for his well, he did not see any lab results for nitrates or arsenic in the report. Committee Chair Kelly asked how the statement of establishing water quality trends could be made when so few samples were taken and processed. Mr. Van Lienden responded there may be an issue with the presented water quality data and will investigate that. Committee Chair Kelly also said the hydrograph scales are off and should be corrected to show all the data and recommended removing the ground level line in favor of completely showing the data.

No recommendation from the SAC was made for approval of the Annual Report.

9. Discussion and Appropriate Action on Adaptive Management Analysis

Mr. Beck provided background of the previous Board direction to consider changes to the undesirable results and minimum thresholds and reviewed the draft schedule for a GSP amendment that would be required if changes are made.

Mr. Van Lienden reviewed the adaptive management analysis and presented two options for addressing minimum thresholds which is provided in the SAC packet.

Committee Member DeBranch asked if representative wells would be categorized as active wells on the map in the presentation if they are production wells and staff confirmed they would look into this.

Committee Member Jaffee commented that the previous method used the bottom of wells and asked what was used for this analysis. Mr. Van Lienden replied the new method used 10 feet above the bottom of well.

Committee Member Haslett said there are two levels of analysis that should be performed if a well goes dry that considers if the well going dry was related to pre-existing issues with the well or groundwater levels due to nearby pumping.

Stakeholder Lynn Carlisle asked if the estimated 20 percent of at-risk wells, compared to the original analysis, is due to having more wells, or a change to analyzing levels 10 feet above the well. Mr. Van Lienden replied he would look into that and report back.

Mr. Beck reported that staff considered how recent hydrology may have impacted water levels, but noted we may not have observed the peak recovery yet, and does not expect levels to significantly impact levels that would change the presented analysis and Committee Member Haslett agreed.

Committee Member Gaillard commented that these rain events are very important and will likely delay irrigation, but likely has very little impact on the glidepath.

Committee Member Jaffe said the groundwater storage change graph really shows the dire situation the basin has been in. She said the CBGSA's purpose is to reach sustainability and hopes that occurs before we reach the bottom of the pool.

Committee Member Gaillard commented that he is pleased the GSP has been approved but said no one seems to be worried about the 10 percent of estimated overpumping in 2022 over the long-term modeled average of pumping estimate of 60,000 AF. Committee Member Gaillard commented that no pumping increases should be allowed outside the CMA, and the glidepath should be revised in 2025 to come back to the 60,000 AF starting point.

MOTION

Committee Member Jaffee made a motion to not change the minimum thresholds and leaves as-is. The motion was seconded by Gaillard, and the motion passed.

AYES: Kelly, Furstenfeld, Jaffe, Gaillard, Haslett
 NOES: DeBranch
 ABSTAIN: None
 ABSENT: Draucker

Committee Member Jaffee commented that the downward trend is clear and we need to live up to good management practices.

Committee Member DeBranch said it is hard to measure results when we have not implemented pumping reductions yet.

Committee Member Haslett commented that he does not agree with the manner in which the MTs were originally set and this is a short-term measure to avoid mitigation of a lot of work to deal with non-compliance when the CBGSA will be redoing this work for 2025. Committee Member Haslett supported option 2a to extend the undesirable results criteria from two years to three.

Committee Member Furstenfeld commented it does not make sense to move things right now, but to consider changes for 2025.

Chair Kelly said he would feel different about changing the criteria if it was science-based or there was another rationale.

Stakeholder Carlisle commented she is in favor of the proposed motion and the minimum thresholds are the guardrails put in place to ensure the basin does not continue to decline and there is no will or effort of the pumpers to turn this around. She continued to say DWR would not accept the staff-proposed options.

MOTION

Committee Member Jaffee made a motion for staff to develop adaptive management plans to address water and soil conservation. The motion was seconded by Committee Member Gaillard, and the motion passed.

AYES: Kelly, Furstenfeld, Jaffe, Gaillard
 NOES: DeBranch, Haslett
 ABSTAIN: None
 ABSENT: Draucker

MOTION

Committee Member DeBranch made a motion to adopt option 2a as presented in the packet. The motion was seconded by Committee Member Haslett, and the motion did not pass.

AYES: DeBranch, Haslett
 NOES: Kelly, Jaffe, Furstenfeld, Gaillard
 ABSTAIN: None
 ABSENT: Draucker

10. Approve Landowner Agreement for Dedicated Monitoring Wells and Piezometers

Mr. Blakslee reviewed the landowner agreement for dedicated monitoring wells and piezometers which is provided in the SAC packet.

Committee Chair Kelly requested to add latitude and longitude to Exhibit A of the agreement and staff commented that that was a good addition.

MOTION

Committee Member Jaffee made a motion to approve the form with Committee Chair Kelly's edit. The motion was seconded by Committee Member Gaillard and the motion passed.

AYES: DeBranch, Furstenfeld, Kelly, Jaffe, Gaillard
 NOES: None
 ABSTAIN: None
 ABSENT: Draucker, Haslett

11. Discussion and Take Appropriate Action on Strategy for Managing Pumping throughout the Basin

Mr. Beck provided an overview of the previous Board direction to consider a strategy for managing pumping throughout the basin and Mr. Blakslee presented an overview of the schedule outlining the data gaps and work items that will be addressed ahead of the 2025 GSP update.

Mr. Beck asked the SAC if there were any items not included in the schedule the SAC would recommend the Board to consider.

Committee Chair Kelly requested more exploration for how the model calculates deep percolation. Mr. Van Lienden replied that the river channel survey will improve the representation of the water seeping into the aquifer.

Committee Member DeBranch asked how many unknown pumpers there are. Mr. Blakeslee replied there are potentially up to 50 unknowns pumpers potentially representing a 1000+ AF and noted letters have been distributed to those landowners.

The SAC was generally supportive of the plan to address data gaps ahead of the 2025 GSP update.

12. Discussion and Appropriate Action on Strategy for Continuing Evaluation of Basin Faults

W&C hydrogeologist Jim Strandberg presented the revised strategy for continuing evaluation of the basin faults which is provided in the SAC packet.

Committee Member Jaffe commented that she appreciates the detailed presentation from Mr. Strandberg and expressed the need to not reinvent the wheel. She continued to say in 2016 the boundary modification request included geophysical analysis related to oil well drilling and it should be part of the public record. She also noted that the adjudication is considering boundary modification requests which are centered around the Russell and Santa Barbara Canyon faults and encouraged staff to collect any data from these reports.

Committee Member Gaillard asked for a timetable if components are authorized for implementation.

Committee Member DeBranch commented that all the presented options look viable.

MOTION

Committee Member Jaffee made a motion to adopt the streamlined approach and for the Board to consider other information being developed in the adjudication process and past studies. The motion was seconded by Committee Member DeBranch, a roll call vote was made, and the motion passed.

AYES: DeBranch, Furstenfeld, Kelly, Jaffe, Gaillard
 NOES: None
 ABSTAIN: None
 ABSENT: Draucker, Haslett

REPORT ITEMS

13. Technical Updates

a. Update on Groundwater Sustainability Plan Activities

Mr. Van Lienden provided an update on the accomplishments for January and February 2022.

b. Update on Monitoring Network Implementation

Mr. Van Lienden provided an update on the monitoring network and requested help identifying willing landowners to include in the monitoring network expansion.

Committee Member Jaffe commented she can help identify landowners in the northwest region.

c. Update on Effort to Address Well Data Gaps

Mr. Blakslee provided an update on the effort to address well data gaps which are included in the SAC packet.

d. Update on January 2023 Groundwater Conditions Report

Mr. Blakslee reported that the January 2023 Groundwater Conditions Report is included in the SAC packet.

14. Groundwater Sustainability Agency

a. Report of the Executive Committee Member

Nothing to report.

b. Report of the General Counsel

Nothing to report.

i. Report of the General Counsel

Mr. Dominguez provided a high-level overview of the adjudication in relation to DWR's recent recommended GSP approval and reported that the DWR approval does not disrupt the adjudication. Mr. Dominguez continued to say DWR has been clear that the GSA must continue implementing its GSA.

Committee Jaffe commented that Mr. Dominguez did not provide any new information and said she sees these processes, not as parallel tracks, but colliding trains. Committee Member Jaffe said she hopes the CBGSA is paying attention to the very important things happening with the adjudication.

Mr. Dominguez said he appreciates those comments and just because the CBGSA has not intervened, does not mean legal is not taking it seriously.

Committee Member Furstenfeld commented the adjudication is seriously impacting families in the basin, and the judge is asking where the CBGSA is in the process.

c. Board of Directors Agenda Review

Mr. Blakslee provided an overview of the March 29, 2023, CBGSA Board Special Meeting agenda which is provided in the SAC packet.

15. Items for Upcoming Sessions

Nothing to report.

16. Committee Forum

Nothing to report.

17. Public Comment for Items Not on the Agenda

Nothing to report.

18. Correspondence

Nothing to report.

19. Adjourn

Chair Kelly adjourned the meeting at 9:36 p.m.

STANDING ADVISORY COMMITTEE OF THE
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

Chair Kelly: _____

ATTEST:

Vice Chair DeBranch: _____

DRAFT



TO: Standing Advisory Committee
Agenda Item No. 6

FROM: Jim Beck / Alex Dominguez

DATE: April 27, 2023

SUBJECT: Discuss and Take Appropriate Action on Resolution No. 2023-051 Adopting Final Groundwater Allocations in the Central Management Area for 2023 and 2024

Recommended Motion

Standing Advisory Committee feedback requested.

Discussion

Draft final groundwater allocations for 2023 and 2024 in the Central Management Area are provided as Attachment 3. Resolution No. 2023-051 adopting those allocations is provided as Attachment 2 and an update on the final groundwater allocations is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

6. Discuss and Take Appropriate Action on Resolution No. 2023-051 Adopting Final Groundwater Allocations in the Central Management Area for 2023 and 2024

Jim Beck / Alex Dominguez

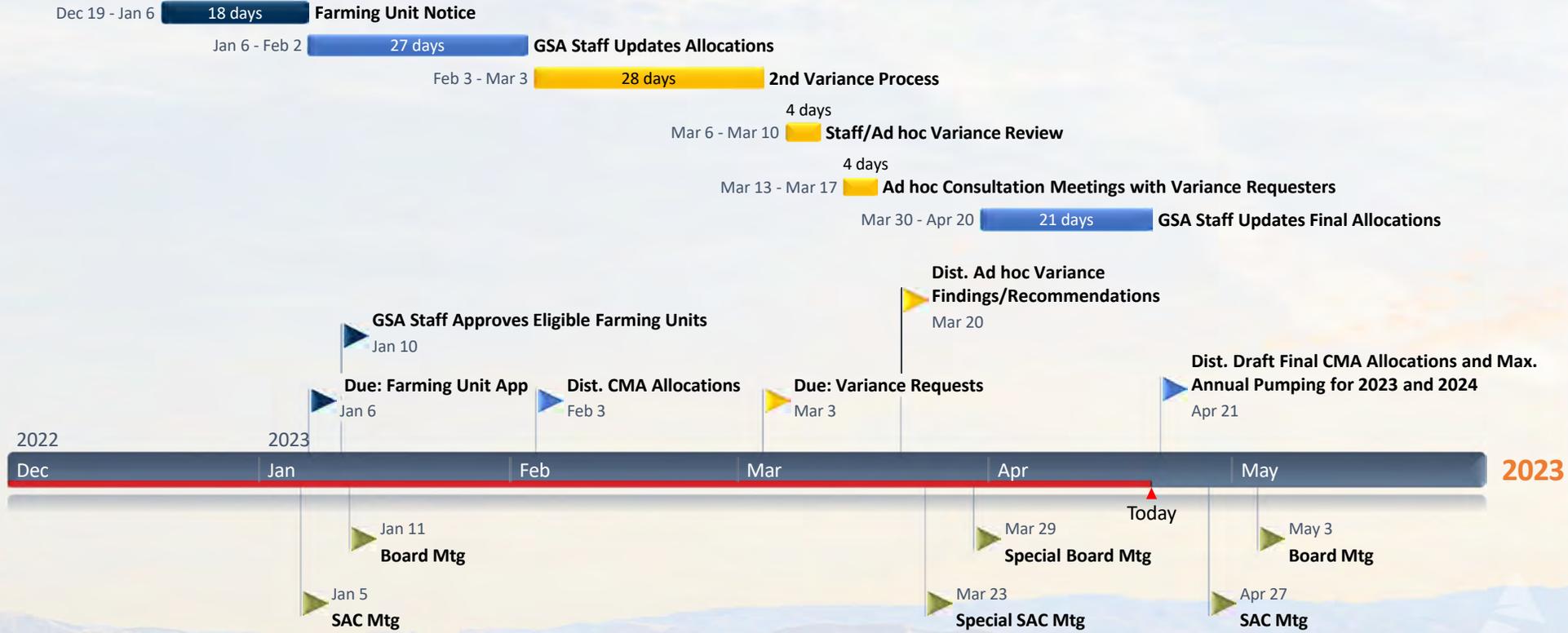
April 27, 2023



Background

- On July 30, 2022, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) distributed draft groundwater allocations for 2023 and 2024 to landowners in the Central Management Area (CMA) and informed those landowners of the available variance process
- Eight variance requests were received, and consultation meetings were held with requesters and the ad hoc (Directors Anselm, Bantilan, Vickery, and Wooster) and staff
- Several issues were raised during this initial variance process, causing CBGSA to distribute revised draft groundwater allocations on February 3, 2023, and initiate a second variance process where a second round of consultation meetings were held

Cuyama CMA Allocation/Variance Schedule



Variance Review Process

- Generally, the variance process has proceeded as follows:
 1. CBGSA staff and an ad hoc committee of the Board reviewed each submitted variance request
 2. CBGSA staff invited each CMA landowner who submitted a variance request to present information in support of their request to the ad hoc committee (consultation meetings)
 3. The ad hoc committee developed a recommendation for each submitted variance request and informed each CMA landowner who submitted a variance request of that recommendation and of their opportunity to rebut that recommendation before the full Board
 4. **The Board took action on each submitted variance request and directed CBGSA staff to finalize the updated proposed groundwater allocations**

Adoption of Final Allocations for 2023 and 2024

- Staff is requesting a SAC recommendation to consider approving Resolution 2023-051 (Attachment 1) setting final CMA allocations for 2023 and 2024 (Attachment 2)

RESOLUTION NO. 2023-051**A RESOLUTION OF
THE BOARD OF DIRECTORS OF
CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY
ADOPTING GROUNDWATER ALLOCATIONS FOR THE
CENTRAL MANAGEMENT AREA FOR 2023 AND 2024**

WHEREAS, the California Legislature passed a statewide framework for sustainable groundwater management, known as the Sustainable Groundwater Management Act (Wat. Code, § 10720 *et seq*) that went into effect on January 1, 2015; and

WHEREAS, the Sustainable Groundwater Management Act (SGMA) requires all high-priority groundwater basins, as designated by the California Department of Water Resources (DWR) Bulletin 118, to be managed by a Groundwater Sustainability Agency (GSA) or multiple GSAs; and

WHEREAS, the Cuyama Valley Groundwater Basin (Basin) has been designated by DWR as a high-priority basin in critical overdraft (DWR Bulletin 118 Groundwater Basin: 3-013); and

WHEREAS, on June 6, 2017, Cuyama Basin Water District, Cuyama Community Services District, County of Kern, County of San Luis Obispo, Santa Barbara County Water Agency, and County of Ventura elected to become a GSA for the Basin; and

WHEREAS, on December 9, 2019, the Cuyama Basin Groundwater Sustainability Agency (CBGSA) duly prepared and adopted a groundwater sustainability plan (GSP) for the Basin; and

WHEREAS, on March 3, 2023, DWR informed CBGSA that DWR would recommend to the State Water Resources Control Board the approval of CBGSA's GSP for the Basin; and

WHEREAS, SGMA authorizes a GSA to establish groundwater allocations pursuant to Water Code section 10726.4, subdivision (a)(2); and

WHEREAS, section 7.5.2 of CBGSA's GSP provides that CBGSA will implement groundwater allocations within the Central Management Area (CMA) in 2023; and

WHEREAS, on July 30, CBGSA informed each landowner within the CMA of their proposed groundwater allocations and invited each landowner within the Central Management Area to file a variance request in the event that a landowner identified an error or mistake with CBGSA's proposed groundwater allocations; and

WHEREAS, during this initial variance process, CBGSA staff was alerted to an issue regarding CBGSA's modeling methodology; and

WHEREAS, in response CBGSA staff revised its modeling methodology to address the identified issue and thereafter, on February 3, 2023, CBGSA informed each landowner within the CMA of

their updated proposed groundwater allocation and again invited each landowner within the CMA to file a variance request in the event that a landowner identified an error or mistake with CBGSA's updated proposed groundwater allocations; and

WHEREAS, after (1) a review by CBGSA staff and an ad hoc committee, (2) a consultation meeting during which each landowner who submitted a variance request was invited to present information in support of their request, and (3) an opportunity to appear and present before CBGSA's Board of Directors (Board), the Board took action on each variance request and directed CBGSA staff to finalize the updated proposed groundwater allocations; and

WHEREAS, CBGSA staff has finalized the updated proposed groundwater allocations and, on April 21, 2023, CBGSA informed each landowner within the CMA of those finalized updated proposed groundwater allocations, attached hereto and incorporated herein as **Exhibit A**; and

WHEREAS, it is the desire of the Board to adopt the finalized updated proposed groundwater allocations, attached hereto and incorporated herein as **Exhibit A**, for 2023 and 2024.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Cuyama Basin Groundwater Sustainability Agency as follows:

- (1) The foregoing is true and correct.
- (2) The groundwater allocations set forth in **Exhibit A**, attached hereto and incorporated herein, are hereby approved and adopted for 2023 and 2024.

PASSED, APPROVED, and ADOPTED by the Board of Directors of the Cuyama Basin GSA, this 3rd day of May 2023 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Cory Bantilan, Chairperson

ATTEST:

James M. Beck
Executive Director

CERTIFICATE OF SECRETARY

The undersigned, Secretary of the Cuyama Basin Groundwater Sustainability Agency, hereby certifies that the foregoing Resolution was adopted by the Board of Directors of said GSA at a meeting thereof, duly and specially held on May 3, 2023 at which meeting a quorum of the Board of Directors was at all times present and acting.

IN WITNESS WHEREOF, I have set my hand this 3rd day of May 2023.

Arne Anselm, Secretary

Attachment 3

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
1 501C3 BLUE SKY SUSTAINABLE LIVING CENTER	101.12	0	49.70	0.11%	53.93	51.76
2 AGUILA G BOYS LLC	81	0	66.56	0.15%	72.22	69.32
3 AGUILA G-BOYS LLC	849.88	0	1191.64	2.67%	1292.95	1241.05
4 ALARCON ARMANDO	0.21	0	0.04	0.00%	0.00	0.00
5 ALMADA JESSE RAMON	0.24	0	0.14	0.00%	0.00	0.00
6 ALMANZA OSCAR SALINAS	0.23	0	0.00	0.00%	0.00	0.00
7 ALVAREZ MARIO M	0.19	0	0.03	0.00%	0.00	0.00
8 ANDRADE GUY JOSEPH	0.23	0	0.00	0.00%	0.00	0.00
9 ANSELMO MARY HEIRS OF	25.08	0	0.41	0.00%	0.44	0.42
10 ARBAYO-GIL MATTHEW JOSHUA	0.23	0	0.00	0.00%	0.00	0.00
11 ARBAYO-GIL REUBEN M	0.26	0	0.00	0.00%	0.00	0.00
12 ARREOLA ANGELICA MARGARITA	0.23	0	0.00	0.00%	0.00	0.00
13 ASHTON RICHARD J	0.67	0	0.00	0.00%	0.00	0.00
14 AZEVEDO FRANCISCO FAMILY TRUST 5/29/02	0.44	0	0.00	0.00%	0.00	0.00
15 BARAKAT NAZIR	0.75	0	0.00	0.00%	0.00	0.00
16 BARAKAT NAZIR N	0.34	0	0.00	0.00%	0.00	0.00
17 BARNES RUSSELL	0.23	0	0.00	0.00%	0.00	0.00
18 BECERRA FRANCISCO CARRANZA	0.24	0	0.00	0.00%	0.00	0.00
19 BELDEN FAM TR ET AL	5761.15	0	7406.58	16.58%	8036.31	7713.67
20 BOLTHOUSE LAND COMPANY LLC	6595.248	27	12008.20	26.87%	13029.17	12506.08
21 BOLTHOUSE PROPERTIES LLC	278.66	3	552.10	1.24%	599.04	574.99
22 BOSTER MELINDA MAE	0.25	0	0.00	0.00%	0.00	0.00
23 BOURGEOIS LEAH	0.22	0	0.14	0.00%	0.00	0.00
24 BRAY ROBERT B/JUDY A	0.41	0	0.00	0.00%	0.00	0.00
25 BRISTOW PATRICIA M	0.23	0	0.00	0.00%	0.00	0.00
26 BROOKOVER NELLIE F S	0.22	0	0.00	0.00%	0.00	0.00
27 BROWN FAMILY TRUST 9/1982	0.2	0	0.00	0.00%	0.00	0.00
28 BROWN FAMILY TRUST 9/82	0.96	0	0.00	0.00%	0.00	0.00
29 BUCK ANN M TRE ETAL	40	0	113.87	0.25%	123.55	118.59
30 CALIENTE RANCH CUYAMA LLC	2115.22	1	2048.75	4.58%	2222.94	2133.69
31 CALLAWAY BRYAN K/JULIE ANN	0.22	0	0.11	0.00%	0.00	0.00
32 CALLAWAY ERIC	20.45	0	9.66	0.02%	10.48	10.06
33 CAMPOS ANTONIO V	0.23	0	0.00	0.00%	0.00	0.00
34 CARDOSO JOSE LUIS	0.22	0	0.00	0.00%	0.00	0.00
35 CARRANZA MARIA R	0.68	0	0.00	0.00%	0.00	0.00
36 CARSON MARVIN J EST/OF	0.39	0	0.02	0.00%	0.02	0.02
37 CASA INVESTMENT LLC	0.56	0	0.00	0.00%	0.00	0.00
38 CASTILLO JOSE NEGRETE/JOSEFINA MUNOZ G	0.58	0	0.00	0.00%	0.00	0.00

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
39 CHARLTON LELAND A	0.23	0	0.12	0.00%	0.00	0.00
40 CHELDIN ERWIN/ELIZABETH TRUSTEES	10	0	0.00	0.00%	0.00	0.00
41 CLINE IRREVOCABLE TRUST 3/27/15	0.23	0	0.12	0.00%	0.00	0.00
42 COMSTOCK J	0.26	0	0.02	0.00%	0.00	0.00
43 CONTINENTAL TELEPHONE COMPANY/CALIFORNIA	0.07	0	0.01	0.00%	0.00	0.00
44 COOPERS PETROLEUM DISTRIBUTOR INC	0.85	0	0.00	0.00%	0.00	0.00
45 CORTES CUEVAS DELFINO & MARTHA VERONICA REVOCABLE TR	1.03	0	0.37	0.00%	0.41	0.39
46 CORTEZ ARNULFO	0.22	0	0.00	0.00%	0.00	0.00
47 COUNTY OF SANTA BARBARA	20.03	0	4.22	0.00%	0.00	0.00
48 COX TERRI A	0.24	0	0.11	0.00%	0.00	0.00
49 CROW HELEN FRANCES TRUST 5/17/18	0.23	0	0.00	0.00%	0.00	0.00
50 CRUZ JENNIFFER	0.23	0	0.00	0.00%	0.00	0.00
51 CUEVAS GUSTAVO CORTES	0.34	0	0.00	0.00%	0.00	0.00
52 CURTIS HARRY P	0.27	0	0.00	0.00%	0.00	0.00
53 CUYAMA COMMUNITY METHODIST CHURCH	0.68	0	0.00	0.00%	0.00	0.00
54 CUYAMA COMMUNITY SERVICES DISTRICT	10.23	0	2.95	0.00%	0.00	0.00
55 CUYAMA JOINT UNION SCHOOL DISTRICT	0.72	0	0.00	0.00%	0.00	0.00
56 CUYAMA LAND HOLDINGS LLC	4.61	0	0.00	0.00%	0.00	0.00
57 CUYAMA MUTUAL WATER COMPANY	0.21	0	0.00	0.00%	0.00	0.00
58 CUYAMA SOLAR LLC (reassigned to BLC per existing contract)	318.49	0	507.96	0.011367728	551.15	529.03
59 CUYAMA UNION SCHOOL DISTRICT	19.99	1	0.02	0.00%	0.02	0.02
60 CUYAMA VALLEY RECREATION DISTRICT	13.96	0	0.80	0.00%	0.00	0.00
61 CUYAMA VALLEY FIRST SO BAPTIST CHURCH	0.24	0	0.00	0.00%	0.00	0.00
62 DAIL JOHN C L/EST	0.24	0	0.01	0.00%	0.00	0.00
63 DAVIS ALFRED E	0.23	0	0.12	0.00%	0.00	0.00
64 DIAMOND FARMING CO A CA CORP	1582.7	6	2617.33	5.86%	2839.87	2725.85
65 DIAMOND FARMING COMPANY	413.01	1	518.49	1.16%	562.58	539.99
66 DIAZ JOSE CANUTO	64.75	1	0.36	0.00%	0.39	0.37
67 DOMINQUEZ AURELIANO	0.23	0	0.00	0.00%	0.00	0.00
68 DOXEY JENNIFER W TRE ETAL	155	0	20.19	0.05%	21.90	21.02
69 DRAUCKER STEVEN L/ESTHER LOUISE	0.25	0	0.12	0.00%	0.00	0.00
70 DUE LIMONI LLC	31.54	0	0.84	0.00%	0.91	0.87
71 EDGMON MICHAEL E	0.23	0	0.08	0.00%	0.00	0.00
72 EHLI VIOLET M	1.12	0	1.60	0.00%	1.74	1.67
73 EICHERT KIM M	0.22	0	0.09	0.00%	0.00	0.00
74 EIGHT LS TRUST	0.22	0	0.00	0.00%	0.00	0.00
75 ENGRISER MARTIN	2.4	0	0.00	0.00%	0.00	0.00
76 ESPERICUETA JOSE LUIS MEDINA	0.24	0	0.00	0.00%	0.00	0.00

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
77 FANCHER WILBUR & BRENDA LIVING TRUST	0.26	0	0.12	0.00%	0.00	0.00
78 FARRY LONG TERM TRUST 12/27/92	86.419	0	234.69	0.53%	254.65	244.43
79 FAST LAVERA L	0.22	0	0.14	0.00%	0.00	0.00
80 FERNANDEZ FRANCES TORRES	0.23	0	0.00	0.00%	0.00	0.00
81 FRADY JOHN C	0.22	0	0.00	0.00%	0.00	0.00
82 FRANKE RONALD	0.22	0	0.00	0.00%	0.00	0.00
83 GALVAN HECTOR JIMENEZ	0.23	0	0.00	0.00%	0.00	0.00
84 GARCIA FELIPE/OLGA	0.26	0	0.00	0.00%	0.00	0.00
85 GARCIA OSCAR CEJA	0.22	0	0.00	0.00%	0.00	0.00
86 GARCIA-ROBLEDO FELIPE DE JESUS	0.23	0	0.12	0.00%	0.00	0.00
87 GIL TAMERA J	0.22	0	0.01	0.00%	0.00	0.00
88 GILL MICHAEL L 2016 TRUST 11/15/16	20.06	0	7.88	0.02%	8.55	8.20
89 GIN FAMILY REVOCABLE TRUST 1/31/18	0.23	0	0.00	0.00%	0.00	0.00
90 GOLLER JUDITH L	1.32	0	0.00	0.00%	0.00	0.00
91 GOMEZ PENELOPE	0.23	0	0.00	0.00%	0.00	0.00
92 GONZALEZ GENARO	0.22	0	0.00	0.00%	0.00	0.00
93 GONZALEZ JOEL RUIZ	0.34	0	0.21	0.00%	0.00	0.00
94 GONZALEZ JUAN R SR	0.22	0	0.11	0.00%	0.00	0.00
95 HARRINGTON ANDREW	0.23	0	0.00	0.00%	0.00	0.00
96 HARRINGTON JASON M & MARY JO REVOCABLE LIVING TRUST	38.53	2	120.51	0.27%	130.75	125.51
97 HASLAM DORI L	0.23	0	0.00	0.00%	0.00	0.00
98 HEDLUND BRET R	0.5	0	0.04	0.00%	0.00	0.00
99 HERMRECK PROPERTIES LLC	1.73	0	0.39	0.00%	0.43	0.41
100 HERNANDEZ ROGELIO	0.22	0	0.10	0.00%	0.00	0.00
101 HERNANDEZ VICTOR GONZALEZ	0.51	0	0.19	0.00%	0.00	0.00
102 HOEKSTRA FAMILY TRUST 5/6/99	158	0	220.34	0.49%	239.07	229.47
103 HUDSON JOHN B FAM TRUST 3/25/90	0.23	0	0.00	0.00%	0.00	0.00
104 JOHNSON EMILY	0.24	0	0.00	0.00%	0.00	0.00
105 JOHNSON JIMMY M	0.25	0	0.00	0.00%	0.00	0.00
106 JOHNSTON DARLENE O TRUSTEE	0.46	0	0.00	0.00%	0.00	0.00
107 JONES JENNIFER E	0.21	0	0.11	0.00%	0.00	0.00
108 JOO CAPITAL PARTNERS LLC	176.85	0	158.64	0.36%	172.13	165.22
109 JOYENO ELIAS	2.5	0	0.00	0.00%	0.00	0.00
110 KAEDING NEAL THOMAS	0.22	0	0.13	0.00%	0.00	0.00
111 KEEN PATRICK M	0.24	0	0.12	0.00%	0.00	0.00
112 KENNEDY JUSTIN D	0.29	0	0.14	0.00%	0.00	0.00
113 KERN RIDGE GROWERS LLC	424.52	2	599.87	1.34%	650.88	624.75
114 KHALIL SAMEER F & ENSAF LIVING TRUST	0.33	0	0.00	0.00%	0.00	0.00

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
115 KHALIL SAMEER F & ENSAF LIVING TRUST 7/28/2000	0.58	0	0.00	0.00%	0.00	0.00
116 KHALIL SAMEER F/ENSAF LIVING TRUST 7/28/00	0.75	0	0.00	0.00%	0.00	0.00
117 KINCAID GEORGE E/PATRICIA R TRUSTEES	0.23	0	0.00	0.00%	0.00	0.00
118 KISTLER MAX LEROY JR	0.23	0	0.00	0.00%	0.00	0.00
119 LAPIS LAND CO LLC	419.33	2	815.12	1.82%	884.43	848.92
120 LAPIS LAND COMPANY LLC	1808.54	5	4076.42	9.12%	4423.00	4245.43
121 LAURABEE FRANK A	0.46	0	0.23	0.00%	0.00	0.00
122 LAWLER 2008 FAMILY TRUST 9/5/08	0.23	0	0.00	0.00%	0.00	0.00
123 LEAR REAL ESTATE ENTERPRISES LLC	541.634	2	783.08	1.75%	849.66	815.55
124 LEMUS RUBEN LEON	0.23	0	0.00	0.00%	0.00	0.00
125 LENZ TONYA M	0.23	0	0.00	0.00%	0.00	0.00
126 LEPELL DANIEL	0.26	0	0.00	0.00%	0.00	0.00
127 LOVETT DEAN	0.46	0	0.00	0.00%	0.00	0.00
128 LOVETT MICHAEL S	0.23	0	0.00	0.00%	0.00	0.00
129 LUJANO CARLOS GARCIA/RAQUEL	0.26	0	0.00	0.00%	0.00	0.00
130 MAGGIO FAMILY TRUST	0.46	0	0.00	0.00%	0.00	0.00
131 MAGGIO FAMILY TRUST 02/15/96	0.24	0	0.00	0.00%	0.00	0.00
132 MAGGIO MARVIN	0.46	0	0.00	0.00%	0.00	0.00
133 MAGGIO MARVIN S	0.23	0	0.00	0.00%	0.00	0.00
134 MARRS JEFFREY ALAN	0.22	0	0.12	0.00%	0.00	0.00
135 MARRS JEFFREY ALLEN	0.23	0	0.00	0.00%	0.00	0.00
136 MARTINEZ JACOB	0.22	0	0.00	0.00%	0.00	0.00
137 MCGARRY JAMES M REVOCABLE TRUST 4/29/19	0.23	0	0.00	0.00%	0.00	0.00
138 MEAD STEVEN T	0.23	0	0.00	0.00%	0.00	0.00
139 MEDINA JOSE LUIS	0.24	0	0.00	0.00%	0.00	0.00
140 MELGOZA DANIEL MENDOZA	0.22	0	0.13	0.00%	0.00	0.00
141 MENDIBURU JOSE M	0.39	0	0.00	0.00%	0.00	0.00
142 MENDIBURU JOSE M/GERMAINE	0.24	0	0.00	0.00%	0.00	0.00
143 MERCADO ERIC	0.23	0	0.00	0.00%	0.00	0.00
144 MONTGOMERY JAMES BERNARD	0.22	0	0.07	0.00%	0.00	0.00
145 MONTGOMERY JASON	0.22	0	0.00	0.00%	0.00	0.00
146 MOORE FAMILY TRUST 6/6/12	0.22	0	0.00	0.00%	0.00	0.00
147 MORALES OFELIA	0.23	0	0.00	0.00%	0.00	0.00
148 MORRIS ZALE RAY	0.27	0	0.00	0.00%	0.00	0.00
149 MORTENSEN PETER B	0.24	0	0.00	0.00%	0.00	0.00
150 MUNIZ ANTHONY BLAINE	0.24	0	0.12	0.00%	0.00	0.00
151 MUNOZ FERNANDO FONSECA	0.23	0	0.12	0.00%	0.00	0.00
152 NAVA MARTIN CONSTANTINO ROMERO	0.22	0	0.14	0.00%	0.00	0.00

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
153 NOLAN MICHAEL A & ANNE R REVOCABLE LIVING TRUST 6/22	0.24	0	0.03	0.00%	0.00	0.00
154 OCAMPO FELICITAS I	10	0	7.28	0.02%	7.90	7.59
155 ORTEGA RAUL	0.23	0	0.00	0.00%	0.00	0.00
156 PACIFIC GAS AND ELECTRIC CO	1	0	0.21	0.00%	0.22	0.21
157 PHILLIPS LOIS ANN TRUSTEE	0.23	0	0.00	0.00%	0.00	0.00
158 PRICE FAMILY TRUST 10/18/12	3.56	0	0.00	0.00%	0.00	0.00
159 PRICE WILLIAM G	1.76	0	0.00	0.00%	0.00	0.00
160 PRIDEAUX ROBIN ANNE	0.23	0	0.11	0.00%	0.00	0.00
161 PRITZ STEVEN A	10	0	0.65	0.00%	0.71	0.68
162 QUIRK ANNE	0.25	0	0.11	0.00%	0.00	0.00
163 QUIRK ROBERT S	0.21	0	0.11	0.00%	0.00	0.00
164 RATZKE WILLIAM WALTER	0.25	0	0.00	0.00%	0.00	0.00
165 RAY RICHARD N/PEARL A	0.38	0	0.00	0.00%	0.00	0.00
166 REHA JESSE	0.26	0	0.00	0.00%	0.00	0.00
167 REINHARD CARL W JR TRE ETAL	7	0	25.69	0.06%	27.88	26.76
168 RODRIGUEZ EUSEBIO JR	0.22	0	0.14	0.00%	0.00	0.00
169 RODRIGUEZ JUDITH A	0.46	0	0.00	0.00%	0.00	0.00
170 RODRIGUEZ MARY FRANCES	0.23	0	0.00	0.00%	0.00	0.00
171 RODRIGUEZ PEDRO/AURORA	0.23	0	0.00	0.00%	0.00	0.00
172 ROMAN CATHOLIC ARCHBISHOP L A	1.3	0	0.16	0.00%	0.00	0.00
173 ROSCAMP EARL JR/MARY	0.96	0	0.08	0.00%	0.09	0.09
174 ROSCAMP RHODA	0.79	0	0.02	0.00%	0.02	0.02
175 RUBY LAND COMPANY LLC	7190.44	15	7200.29	16.11%	7812.48	7498.83
176 SADIQ ZAHID	11.52	0	0.42	0.00%	0.46	0.44
177 SALAZAR LEE ANN	0.23	0	0.00	0.00%	0.00	0.00
178 SAN DIEGO ANDREA	0.24	0	0.00	0.00%	0.00	0.00
179 SANCHEZ MARIA Z	0.27	0	0.05	0.00%	0.00	0.00
180 SANDOVAL CARMEN H	0.22	0	0.00	0.00%	0.00	0.00
181 SANTA MARIA JT UN HS DIST	0.24	0	0.00	0.00%	0.00	0.00
182 SANTA MARIA UN HS DIST	43.88	0	20.44	0.05%	22.18	21.29
183 SANTIAGO EZEQUIEL	0.22	0	0.00	0.00%	0.00	0.00
184 SANTOS LAURENCIO	0.24	0	0.00	0.00%	0.00	0.00
185 SAWYER MARTHA J	31.52	0	0.00	0.00%	0.00	0.00
186 SCHOT LOUIS REVOCABLE LIVING TRUST 11/16/21	0.27	0	0.03	0.00%	0.00	0.00
187 SEPV CUYAMA LLC	20.44	0	1.44	0.00%	1.57	1.50
188 SIEBENTHAL MARY C	0.21	0	0.14	0.00%	0.00	0.00
189 SLUMSKIE FAMILY TRUST 4/9/96	40	0	110.79	0.25%	120.21	115.38
190 SMITH MICHAEL D	10.36	0	0.00	0.00%	0.00	0.00

Cuyama Basin Groundwater Sustainability Central Management Area Plus Farming Unit Allcoations - April 2023

Landowner	Parcel Area in CMA Plus Farming Units (Acres)	Number of Wells	WY 1998-2017 Average Applied Water (AF)	% of Annual Average	Sum Estimated Pumping Allocation for 2023 (AF)	Sum of Estimated Pumping Allocation for 2024 (AF)
191 SOLIS JAIRO NIBARDO MEDINA	0.22	0	0.03	0.00%	0.00	0.00
192 SOUTHERN CALIFORNIA GAS COMPANY	0.99	0	0.33	0.00%	0.35	0.34
193 SPINNER LINDA L LIVING TRUST 4/2/12	0.22	0	0.03	0.00%	0.00	0.00
194 STANCLIFF RALPH	0.22	0	0.12	0.00%	0.00	0.00
195 STEVENS ROBERT	0.23	0	0.00	0.00%	0.00	0.00
196 STUDER FRANK/LAURA	0.23	0	0.00	0.00%	0.00	0.00
197 STUDER THOMAS J JR	2.11	0	0.12	0.00%	0.00	0.00
198 SUNRISE RANCH PROPERTIES LLC	612.98	4	1470.78	3.29%	1595.83	1531.76
199 SUNRISE RANCH PROPERTIES LLC (CA)	314.26	1	917.98	2.05%	996.03	956.05
200 SWAN BENJAMIN MATTHEW	0.25	0	0.00	0.00%	0.00	0.00
201 TALLEY STEVEN E	0.23	0	0.00	0.00%	0.00	0.00
202 TERRONES TIMOTHY J	0.25	0	0.00	0.00%	0.00	0.00
203 THORSEN SONYA	0.21	0	0.12	0.00%	0.00	0.00
204 TORRES JOSE P ETAL	6.11	0	1.33	0.00%	1.45	1.39
205 TRUJILLO FAMILY TRUST 9/7/17	467.95	0	766.56	1.72%	831.73	798.34
206 UNITED STATES OF AMERICA	157.34	0	10.86	0.02%	11.79	11.31
207 UNKNOWN OWNER	0.26	0	0.14	0.00%	0.15	0.14
208 URIBE CESAR	0.56	0	0.00	0.00%	0.00	0.00
209 USA	411	0	12.81	0.03%	13.90	13.34
210 VAN SCHOYCK ALBERT WAYNE	0.21	0	0.07	0.00%	0.00	0.00
211 VASQUEZ ERIC FRANK	0.23	0	0.00	0.00%	0.00	0.00
212 VICKERY BRIAN O/MAUREEN E	0.24	0	0.00	0.00%	0.00	0.00
213 VICKERY VIVIAN L	0.23	0	0.00	0.00%	0.00	0.00
214 VINCENT CHARLES N	0.23	0	0.00	0.00%	0.00	0.00
215 VOSBURGH JASON D & THANY T	37	0	5.07	0.01%	5.50	5.28
216 WARD RACHEL	0.25	0	0.13	0.00%	0.00	0.00
217 WELKER SUSAN	0.23	0	0.14	0.00%	0.00	0.00
218 WHEELER ROY W/PEGGY E	0.22	0	0.03	0.00%	0.00	0.00
219 WILKINSON MICHAEL	0.23	0	0.00	0.00%	0.00	0.00
220 WILLIAMS DEBORAH L	0.32	0	0.19	0.00%	0.00	0.00
221 WILSON ANGELA TRUST 12/21/06	0.21	0	0.11	0.00%	0.00	0.00
222 WILSON SUSAN	0.23	0	0.14	0.00%	0.00	0.00
223 WRIGHT ANDREW ZANDER	0.22	0	0.12	0.00%	0.00	0.00
224 ZOLL FAMILY TRUST 6/27/91	0.23	0	0.00	0.00%	0.00	0.00
225 (blank)	0	0	0.00		0.00	0.00
226 Grand Total	31636.621	73	44698.68	100%	48484.00	46537.48

Note: Nothing in this spreadsheet is intended as a precedential allocation or a determination of water rights.

Applied Water (AW) Estimates by Water Year (Acre-feet per Year)

Total Avg Applied Water in WY 98-17 (excluding residential) 44,683 acre-feet

Table with columns: APN, Parcel Owner, Area, In CSD?, Irrigated?, Number of Production Wells, and Annual Pumping (af) for years 1998-2021. Includes sub-headers for 'Applied Water (AW) Estimates by Water Year' and 'Total Avg Applied Water in WY 98-17 (excluding residential)'. Rows list various agricultural and residential properties with their respective water usage data.

		Applied Water (AW) Estimates by Water Year (Acre-feet per Year)																				Total Avg Applied Water in WY 98-17 (excluding residential)		44,683 acre-feet										
APN	Parcel Owner	Area Acres	In CCSD that Irrigated?	Number of Production Wells	Water Year																	WY 1998-2017 Average	Maximum Annual Pumping (af) for 2023	Percent of Average	Estimated Pumping Allocation for 2023	Estimated Pumping Allocation for 2024								
					WY 1998	WY 1999	WY 2000	WY 2001	WY 2002	WY 2003	WY 2004	WY 2005	WY 2006	WY 2007	WY 2008	WY 2009	WY 2010	WY 2011	WY 2012	WY 2013	WY 2014						WY 2015	WY 2016	WY 2017	WY 2018	WY 2019	WY 2020	WY 2021	
337 149140073	BELDEN FARM TR ET AL	320	No	No	0	176.48	160.38	455.36	353.45	598.75	448.13	294.25	715.12	372.93	370.72	650.21	477.26	345.70	534.46	440.58	411.06	286.97	243.76	370.26	401.51	690.82	394.25	718.81	311.64	405.37	48484	0.91%	439.83	422.2
338 149140087	BOLTHOUSE LAND COMPANY LLC	241.9	No	No	0	286.88	464.26	442.24	542.91	249.95	536.14	205.56	392.62	489.04	506.39	246.32	510.57	493.92	201.04	509.60	430.00	671.5	421.70	483.24	435.69	612.85	437.09	299.92	430.24	395.91	48484	0.89%	436.55	413.3
339 149140091	CUYAMA SOLAR LLC (reassigned to BLC per existing contract)	162.73	No	No	0	232.28	324.26	315.58	384.80	184.08	377.04	152.02	203.46	355.00	314.56	295.11	349.30	333.39	140.03	365.42	376.13	338.04	240.00	21.87	15.40	21.99	22.99	25.68	19.10	255.64	48484	0.57%	277.38	266.2
340 149140088*	BOLTHOUSE LAND COMPANY LLC	311.34	No	No	0	126.66	109.81	223.94	260.14	195.59	245.52	192.25	186.21	184.25	195.21	188.01	259.33	219.53	243.54	356.56	454.05	442.40	568.80	538.74	507.38	672.88	480.60	252.89	666.07	296.09	48484	0.66%	321.26	308.4
341 149140100*	BOLTHOUSE LAND COMPANY LLC	79.63	No	No	0	53.40	47.71	0.26	0.33	0.26	0.28	0.24	0.28	0.23	0.22	0.23	0.25	0.23	0.26	0.19	199.98	86.34	70.08	171.50	99.94	100.43	206.09	78.82	42.02	36.51	48484	0.08%	39.61	38.0
342 149140102	BOLTHOUSE LAND COMPANY LLC	67	No	No	0	27.58	34.39	5.57	33.81	21.48	19.23	16.62	17.41	14.81	30.94	21.44	22.04	24.45	27.08	25.26	30.55	17.72	15.32	17.58	47.13	20.68	25.30	16.68	25.30	16.68	48484	0.00%	25.04	24.0
343 149150003	USA	40	No	No	0	2.84	2.94	2.74	3.43	3.47	3.05	1.53	2.92	2.88	1.98	3.29	2.27	2.59	2.97	2.15	2.02	0.67	0.40	0.70	1.01	1.93	0.63	0.58	0.47	2.28	48484	0.01%	2.47	2.4
344 149150004	BOLTHOUSE LAND COMPANY LLC	79.09	No	No	1	157.461	206.81	100.26	233.75	77.50	84.00	235.72	205.81	176.53	211.17	116.73	188.83	162.34	163.54	123.17	101.17	108.53	204.58	81.39	75.44	254.32	228.23	220.76	276.01	151.76	48484	0.34%	164.67	158.1
345 149150008	DIJAZ JOSE CANUTO	39	No	No	1	0.39	0.49	0.37	0.55	0.33	0.20	0.53	0.27	0.17	0.52	0.30	0.35	0.36	0.52	0.47	0.35	0.17	0.17	0.20	0.49	0.40	0.21	0.21	0.65	0.36	48484	0.00%	0.39	0.4
346 149150009	DIJAZ JOSE CANUTO	25.75	No	No	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48484	0.00%	0.00	0.0
347 149150013	EHLY VOLET M	1.12	No	No	0	1.53	2.33	2.10	2.68	0.59	2.21	1.03	1.04	1.25	2.05	1.55	1.33	1.75	1.72	1.39	1.58	0.72	2.01	2.07	3.22	2.93	3.45	3.41	1.60	48484	0.00%	1.74	1.7	
348 149150015	CORTES CUEVAS DELFINO & MARTHA VERONICA REVOCABLE TR	1.03	No	No	0	0.30	0.52	0.47	0.60	0.01	0.16	0.54	0.49	0.08	0.43	0.59	0.39	0.23	0.43	0.56	0.40	0.08	0.44	0.50	0.24	0.62	0.17	0.65	0.28	48484	0.00%	0.41	0.4	
349 149150016	BOLTHOUSE LAND COMPANY LLC	164.62	No	No	1	312.79	441.08	368.66	442.32	233.08	157.46	132.45	409.47	289.69	330.30	484.33	353.41	310.69	331.45	350.45	378.01	146.51	233.47	254.86	319.99	296.61	133.71	304.66	367.09	314.33	48484	0.70%	341.06	327.4
350 149150017	HOEKSTRA FAMILY TRUST 5/6/99	1.20	No	No	0	5.46	5.62	108.04	166.49	156.32	60.31	125.19	131.44	64.42	105.15	150.99	121.00	109.88	215.51	297.87	317.46	257.44	226.79	282.63	232.38	162.99	93.69	126.42	154.32	157.03	48484	0.35%	170.38	163.5
351 149150018	USA	40	No	No	0	10.07	9.80	0.19	0.32	0.23	0.20	0.17	0.24	0.02	0.03	0.03	0.20	0.21	0.39	0.50	0.50	0.63	0.56	1.95	1.53	0.01	0.01	0.01	0.01	1.39	48484	0.00%	1.51	1.4
352 149150019	HOEKSTRA FAMILY TRUST 5/6/99	38	No	No	0	12.51	13.58	4.69	7.99	5.48	5.48	4.13	5.92	22.58	25.67	67.73	96.63	117.79	123.37	138.69	139.08	120.74	114.26	128.20	107.66	64.36	34.02	45.04	53.57	63.31	48484	0.14%	68.69	65.9
353 149150021	CUYAMA SOLAR LLC (reassigned to BLC per existing contract)	39.55	No	No	0	78.94	83.18	92.89	94.34	22.48	94.78	33.59	15.75	81.92	76.01	61.25	84.83	67.69	79.29	84.85	100.38	92.41	37.04	5.73	5.20	4.35	4.77	5.41	4.31	64.12	48484	0.14%	68.58	66.8
354 149150032	CUYAMA SOLAR LLC (reassigned to BLC per existing contract)	39.55	No	No	0	94.92	99.67	79.14	90.67	26.76	89.20	34.26	17.19	75.32	70.70	62.73	98.43	84.44	90.65	91.18	105.99	84.82	84.20	7.45	7.42	6.01	6.46	6.97	5.68	67.21	48484	0.15%	72.93	70.0
355 149150033	SEPV CUYAMA LLC	20.44	No	No	0	1.67	2.04	1.45	1.79	1.50	1.75	0.72	1.65	1.74	1.78	1.27	1.26	1.41	1.72	1.30	1.56	1.57	0.51	0.43	1.75	0.80	0.48	0.42	0.55	1.44	48484	0.00%	1.57	1.5
356 149150034	CALLAWAY ERIC	20.45	No	No	0	3.18	3.32	2.48	2.87	2.81	2.44	1.56	2.67	14.45	13.86	19.82	2.66	2.78	2.62	14.84	19.73	13.17	24.93	22.94	20.00	18.78	16.16	16.47	14.65	9.66	48484	0.02%	10.48	10.1
357 149150037	CHELSEY ERWIN/ELIZABETH TRUSTEES	10	No	No	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48484	0.00%	0.00	0.0
358 149150038	USA	51	No	No	0	4.71	5.12	5.46	5.31	2.04	1.40	0.95	4.76	2.80	3.18	5.43	3.43	3.91	4.56	2.17	4.87	1.73	1.16	1.09	4.60	3.27	0.91	1.09	6.00	3.38	48484	0.27%	5.67	3.5
359 149150039	BOLTHOUSE LAND COMPANY LLC	1123.45	No	No	7	2165.99	2615.79	2320.34	2895.59	1620.46	1363.08	1640.41	2001.84	1640.44	2364.26	2296.70	2411.57	2145.49	1891.77	1872.06	2250.63	1873.40	1528.82	2080.50	1811.58	2095.10	1703.91	1855.04	1800.40	2018.14	48484	4.52%	2189.72	2101.8
360 149150042	CUYAMA SOLAR LLC (reassigned to BLC per existing contract)	76.66	No	No	0	133.57	151.41	140.26	178.90	47.62	188.92	68.64	31.62	163.47	163.49	118.19	166.87	124.50	117.36	170.79	184.33	176.45	76.40	9.77	7.18	5.89	6.92	7.68	5.84	120.99	48484	0.27%	131.27	126.0
361 149160009*	BOLTHOUSE LAND COMPANY LLC	157.42	No	No	0	192.43	268.52	277.75	264.67	263.19	210.71	215.82	209.21	68.63	216.01	207.63	76.02	211.52	146.64	59.15	337.49	105.26	196.09	186.01	89.81	143.20	57.09	67.95	300.44	186.64	48484	0.42%	202.61	194.4
362 149160029*	BOLTHOUSE LAND COMPANY LLC	79.28	No	No	0	72.56	61.35	77.00	100.00	68.87	159.84	96.63	86.64	44.83	45.21	47.01	58.27	54.87	94.90	180.09	132.62	69.12	44.08	57.27	19.18	48.21	52.09	23.79	82.13	48484	0.18%	89.11	85.5	
363 149160036	BOLTHOUSE LAND COMPANY LLC	157.65	No	No	0	260.271	429.77	512.75	509.93	308.87	298.43	499.94	425.79	113.03	359.31	366.08	147.41	376.21	231.19	100.80	406.26	176.96	195.06	151.66	143.08	259.74	119.39	132.21	558.21	302.26	48484	0.68%	327.96	314.8
364 149170008	USA	280	No	No	0	5.10	5.95	4.94	8.24	6.15	6.23	4.90	6.55	3.63	5.36	5.06	4.82	5.51	3.93	3.96	4.32	6.80	7.85	7.36	8.51	8.57	8.07	9.10	7.25	5.76	48484	0.01%	6.25	6.0
365 149170009*	SUNRISE RANCH PROPERTIES LLC (CA)	288.65	No	No	1	691.25	809.04	1149.15	964.41	1180.69	1079.09	1200.88	844.65	587.50	733.04	934.48	1005.96	860.65	930.23	1145.36	1198.73	421.35	329.80	206.16	231.15	274.14	193.18	327.64	311.16	877.66	48484	1.85%	898.03	862.0
366 149170010*	SUNRISE RANCH PROPERTIES LLC (CA)	25.61	No	No	0	49.09	60.22	74.91	139.07	113.85	123.57	129.17	128.70	108.99	105.49	118.94	132.84	130.55	113.14	160.08	115.34	117.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.33	48484	0.20%	98.01	94.1
367 149170013*	KERN RIDGE GROWERS LLC	225.93	No	No	2	416.99	692.56	468.22	471.24	536.36	467.53	346.72	509.99	339.98	348.06	465.22	421.36	432.04	265.29	311.39	240.02	298.02	504.20	423.87	221.27	209.27	218.77	198.97	403.91	48484	0.90%	438.25	420.7	
369 149170016*	KERN RIDGE GROWERS LLC	38.59	No	No	0	64.54	74.87	17.41	21.33	17.92	15.58	75.09	84.17	70.25	71.51	147.33	109.81	72.52	80.33	82.33	71.40	64.52	84.05	59.68	25.37	37.35	36.49	38.34	33.10	65.63	48484	0.15%	71.22	68.4
370 149170017*	KERN RIDGE GROWERS LLC	150	No	No	0	102.57	120.96	130.02	136.89	107.01	80.15	92.64	107.30	87.25	85.93	256.74	212.04	220.94	215.61	90.77	182.62	172.64	112.02	1										



TO: Standing Advisory Committee
Agenda Item No. 7

FROM: Jim Beck / Alex Dominguez / Brian Van Lienden

DATE: April 27, 2023

SUBJECT: Review and Take Appropriate Action on Supplemental Section to GSP Sustainability Thresholds Chapter and Authorize 90-Day Notice to Cities and Counties for an Amendment to the GSP

Recommended Motion

Standing Advisory Committee feedback requested.

Discussion

On March 29, 2023, the Board directed staff to adjust minimum thresholds (option 1) and ensure additional production wells are not impacted, which is summarized in Attachment 1. The draft supplemental Groundwater Sustainability Plan (GSP) Section 5.2.2 incorporating this work is provided as Attachment 2.

Provided as Attachment 3 is a draft letter providing 90-day notice to Cities and Counties of the intent to amend the GSP for consideration of approval.

Cuyama Basin Groundwater Sustainability Agency

7. Review and Take Appropriate Action on Supplemental
Section to GSP Sustainability Thresholds Chapter
Van Lienden/Beck/Dominguez

April 27, 2023



CBGSA SAC Direction

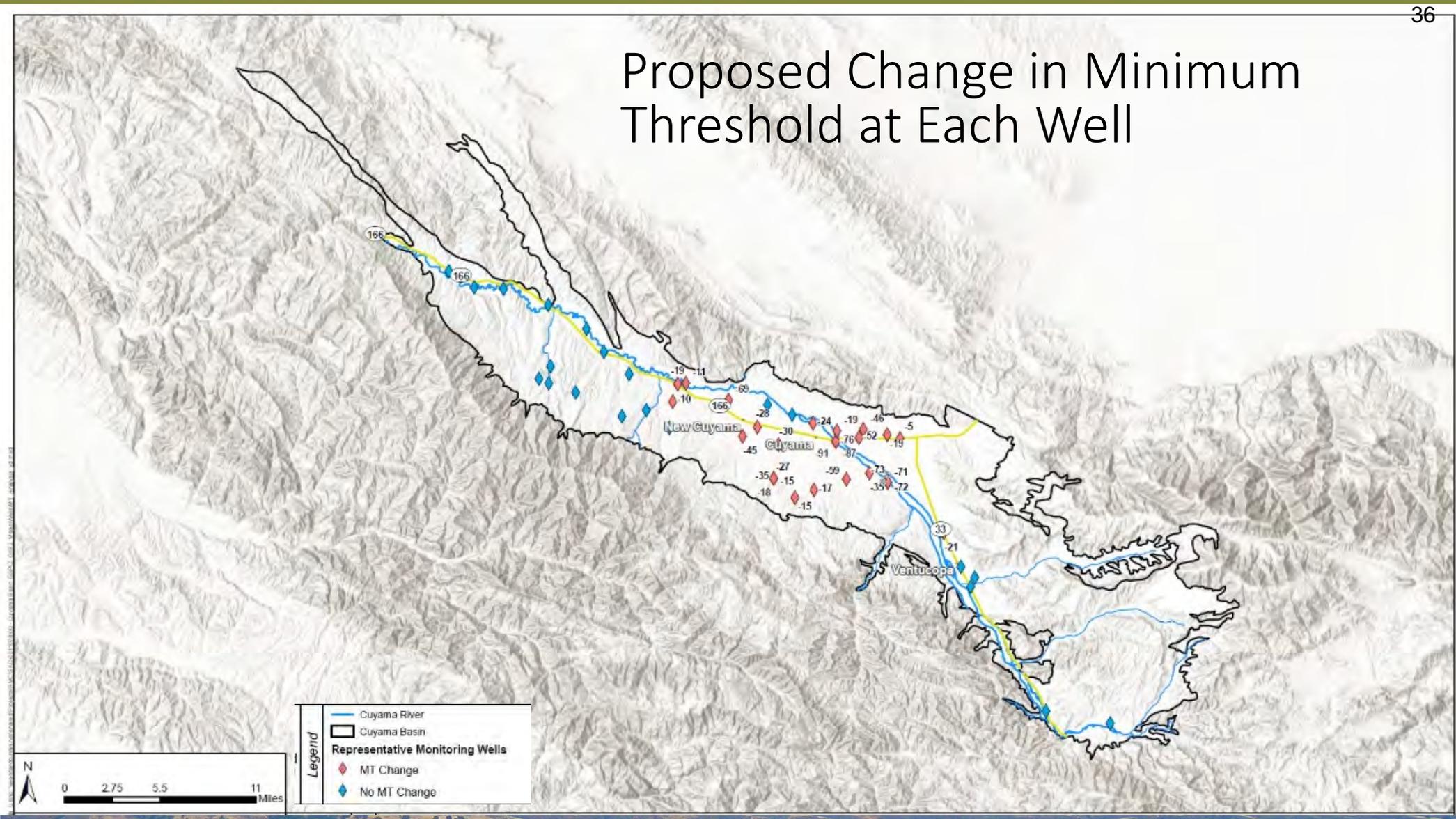
Brian Van Lienden

- July 2022 Board meeting:
 - Directed staff to perform analysis for options 3 [Revise (Lower) Minimum Thresholds] and 4 [Revise Undesirable Results Trigger (30% for 2-years)]
 - Analysis Performed:
 - Performed well survey of all wells in Basin
 - Analyzed water level trends at representative monitoring wells with respect to historical hydrology and groundwater extraction
 - CBWRM analysis to estimate future groundwater levels as pumping reductions are implemented following the glidepath
 - GIS-based analysis to assess potential impacts to beneficial uses and users
- March 2023 Board Meeting:
 - Reviewed options as presented by staff: 1) adjust minimum thresholds; and 2) adjust undesirable results definition
 - Directed Staff to work on option 1 as presented and ensure additional production wells are not impacted for presentation at the May 3, 2023 Board meeting.

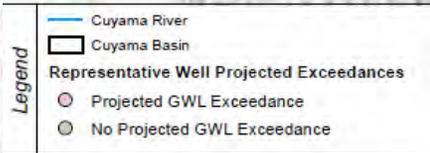
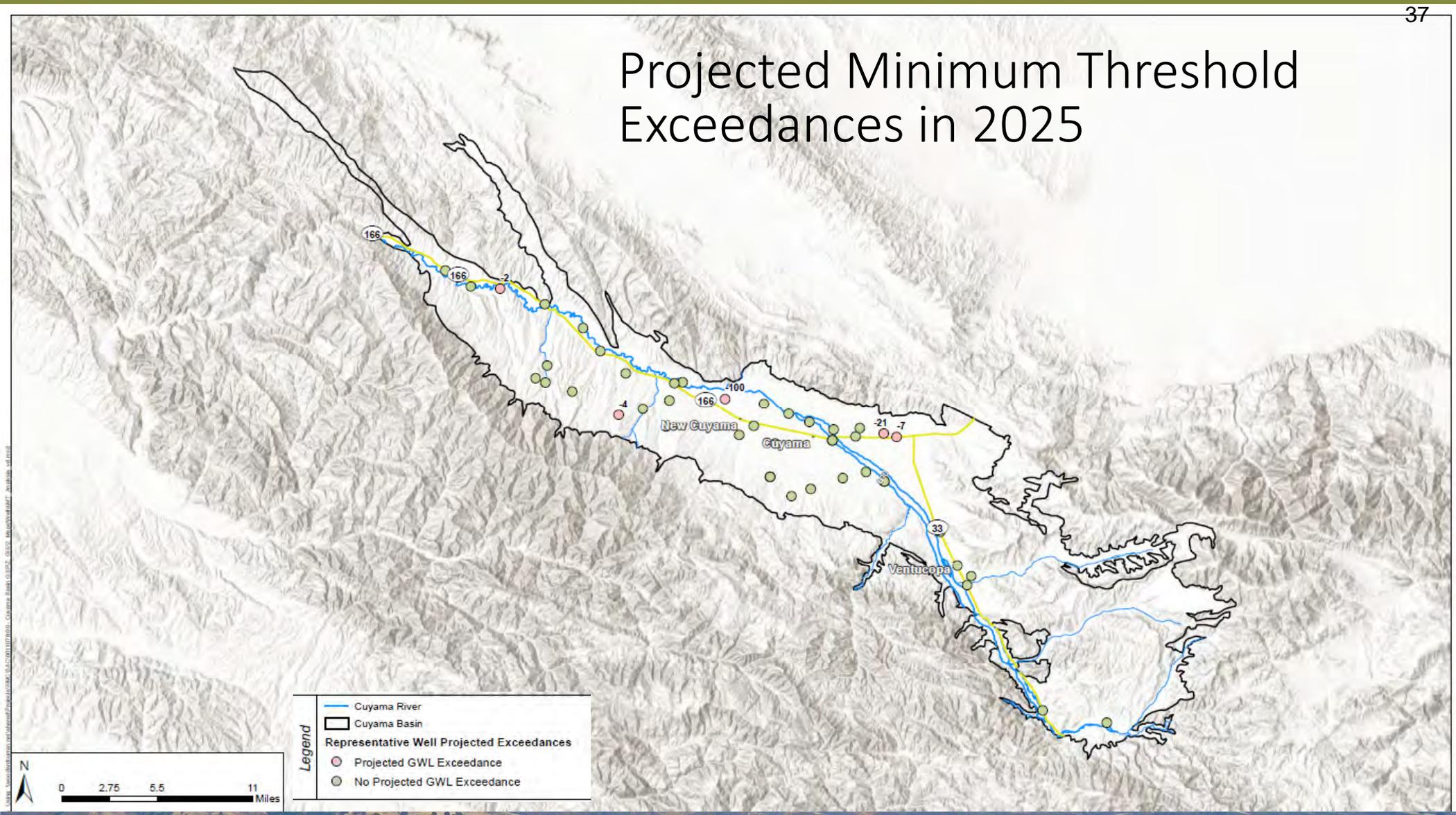
Development of Draft Supplemental Sustainability Thresholds GSP Section

- Process to develop revised minimum thresholds (MTs):
 - Developed a proposed MT for each well by estimating the projected 2025 groundwater elevation based on the observed trend from 2015-2022 and adding a 10-foot buffer to each well
 - Wells with MTs above this level are unchanged
 - Proposed MTs were adjusted to ensure that there were no projected impacts to production and domestic wells or to groundwater-dependent ecosystems beyond what is projected with current minimum thresholds
 - MTs would be revised at 34 of 49 representative wells
 - 5 of 49 representative wells (10%) would have a projected MT exceedance in 2025
- Measurable objectives and interim milestones were unchanged
- Draft Supplemental GSP Section 5.2.2 presents the revised sustainability criteria and impact assessment for these proposed changes

Proposed Change in Minimum Threshold at Each Well



Projected Minimum Threshold Exceedances in 2025



Cuyama Adaptive Management Schedule

Jim Beck



Staff Presents Options to Adjust MTs and UR Criteria. Board Provides Direction on Potential Plan Amendment

Mar 29

Today



Draft Revised GSP presented to Board; initiation of public review process

May 3

Public Hearing

Jul 12

Submit Revised GSP

Aug 1

2023



2023

Jan 11
Board Mtg - Provides Direction on DWR Interaction

Jan 5
SAC Mtg

Mar 29
Special Board Mtg

Mar 23
Special SAC Mtg

May 3
Board Mtg

Apr 27
SAC Mtg

Jul 12
Board Mtg

Jul 6
SAC Mtg

DRAFT

SAC Direction on Next Steps

- Would the SAC like to recommend approval of the draft Supplemental GSP section?
- Would the SAC like staff to make any changes to the draft Supplemental GSP section?



5.2 Supplemental Section 5.2.2: Minimum Thresholds, Measurable Objectives, and Interim Milestones, Chronic Lowering of Groundwater Levels

As noted in the *Cuyama Basin Groundwater Sustainability Plan - Annual Report for the 2019-2020 Water Year*, the CBGSA Board determined in its January 2021 meeting to reduce the groundwater levels monitoring network to eliminate spatially redundant wells from the network. The current monitoring network includes 61 wells, of which 49 wells are representative wells. The representative wells currently in the network are shown in Table 5-4 below.

Since submission of the GSP, groundwater levels in the Basin have been declining and multiple representative monitoring wells have exceeded the minimum thresholds (MTs) set forth in the GSP. The *January 2023 Groundwater Conditions Report – Cuyama Valley Groundwater Basin* (Groundwater Conditions Report) reported that 49 percent, or 24 representative wells, are currently below their groundwater level MTs. As defined in Chapter 3 of this GSP, an Undesirable Result for groundwater levels “is considered to occur during GSP implementation when 30 percent of representative monitoring wells (i.e., 18 of 60 wells) fall below their minimum groundwater elevation thresholds for two consecutive years.” With the current representative monitoring network, this condition will occur when 15 representative wells (i.e., 30 percent of 49 wells) are below their MTs for 24 consecutive months. As of January 2023, 15 wells have been below their MTs for 20 consecutive months. Since groundwater levels monitoring occurs on a quarterly schedule, an Undesirable Result is projected to occur during the July 2023 monitoring period if conditions do not improve.

The CBGSA Board intends to reassess the sustainability criteria for the groundwater levels representative monitoring network during the development of the GSP five-year update to incorporate recent data, address data gaps, and ensure the sustainability criteria accurately reflect Basin conditions. However, to avoid an Undesirable Result determination before the completion of the five-year update, the CBGSA Board determined in its May 2023 Board meeting to revise the MTs at representative wells in advance of the five-year update development process. This will also allow for sufficient time for the CBGSA to implement the projects and management actions included in the GSP to eliminate overdraft in the Cuyama Basin by 2040. In particular, the CBGSA Board has approved the initial implementation of pumping allocations in the Central Management Area (i.e., Management Action 2), with a 5 percent pumping reduction in 2023 and a 10 percent pumping reduction in 2024 relative to baseline pumping levels.

Revised MTs for representative monitoring wells in the Basin were developed using the following process:

- The projected depth to water in each well in 2025 was estimated by assuming a linear extension of the groundwater level trend in each well between 2015 and 2022.



- The projected depth to water was compared to the MT in each well. If the MT was at least 10 feet below the projected depth to water (e.g., in well 474), then no change was made to the MT. In all other wells, a buffer of 10 feet was added to the projected depth to water.
- The wells with potential changes in MTs were compared to groundwater dependent ecosystem (GDE) locations, and no changes were made to MTs at locations that could potentially impact GDEs. This resulted in no changes in the MTs at wells 830 and 832 in the Far-West Northwestern region.
- An analysis was performed to estimate the potential impacts of changing MTs to the revised levels on domestic and production wells (see section below). and the proposed MTs were revised so that there would be no projected impacts to domestic and production wells beyond those that would occur at the previous MTs.

Table 5-4 shows the revised sustainability criteria for the groundwater levels representative monitoring network. No changes have been made to the measurable objectives (MOs), or to the 2025, 2030 or 2035 interim milestones (IMs). MTs have been revised in 28 of the 49 representative monitoring wells. The locations of these wells are shown in Figure 5-7. It is projected that an MT exceedance will occur in 2025 in 5 of the 49 wells (10%), as shown in Figure 5-8. This is below the threshold required for an Undesirable Result. Furthermore, it is not anticipated that these changes to MTs will result in any adverse impacts on GDEs or on domestic or production wells. However, if groundwater levels decrease sufficiently or exceed the threshold required for an Undesirable Result, the CBGSA will implement adaptive management actions as described in Section 7.6 of the GSP.



Table 5-4: Revised Sustainability Criteria for Representative Monitoring Network Wells (feet below ground surface)

OPTI Well	Region	Previous MT	Revised MT	Change in MT	Projected 2025 MT Exceedance	Final MO	2025 IM	2030 IM	2035 IM	Well Depth
72	Central	169	214	-45	0	124	169	154	147	790
74	Central	256	284	-28	0	243	256	252	250	--
77	Central	450	526	-76	0	400	450	433	425	980
91	Central	625	696	-71	0	576	625	609	601	980
95	Central	573	632	-59	0	538	573	561	556	805
96	Central	333	350	-17	0	325	333	330	329	500
98	Central	450	465	-15	0	439	450	446	445	750
99	Central	311	338	-27	0	300	311	307	306	750
102	Central	235	304	-69	-100	197	235	222	216	--
103	Central	290	320	-30	0	235	290	272	263	1,030
112	Central	87	97	-10	0	85	87	86	86	441
114	Central	47	58	-11	0	45	47	46	46	58
316	Central	623	696	-73	0	574	623	607	599	830
317	Central	623	695	-72	0	573	623	606	598	700
322	Central	307	342	-35	0	298	307	304	303	850
324	Central	311	329	-18	0	299	311	307	305	560
325	Central	300	315	-15	0	292	300	297	296	380
420	Central	450	541	-91	0	400	450	433	425	780



Table 5-4: Revised Sustainability Criteria for Representative Monitoring Network Wells (feet below ground surface)

OPTI Well	Region	Previous MT	Revised MT	Change in MT	Projected 2025 MT Exceedance	Final MO	2025 IM	2030 IM	2035 IM	Well Depth
421	Central	446	533	-87	0	398	446	430	422	620
474	Central	188	188	0	0	169	188	182	179	213
568	Central	37	56	-19	0	36	37	37	37	188
604	Central	526	526	0	0	487	526	513	507	924
608	Central	436	460	-24	0	407	436	426	422	745
609	Central	458	458	0	0	421	458	446	440	970
610	Central	621	656	-35	0	591	621	611	606	780
612	Central	463	482	-19	0	440	463	455	452	1,070
613	Central	503	555	-52	0	475	503	494	489	830
615	Central	500	546	-46	0	468	500	489	484	865
629	Central	559	564	-5	-7	527	559	548	543	1,000
633	Central	547	566	-19	-21	493	547	529	520	1,000
62	Eastern	182	182	0	0	157	182	169	170	212
85	Eastern	233	233	0	0	209	233	204	221	233
100	Eastern	181	181	0	0	152	181	162	167	284
101	Eastern	111	132	-21	0	88	111	101	100	200
841	Northwestern	203	203	0	0	153	203	186	178	600
845	Northwestern	203	203	0	0	153	203	186	178	380



Table 5-4: Revised Sustainability Criteria for Representative Monitoring Network Wells (feet below ground surface)

OPTI Well	Region	Previous MT	Revised MT	Change in MT	Projected 2025 MT Exceedance	Final MO	2025 IM	2030 IM	2035 IM	Well Depth
2	Southeastern	72	72	0	0	55	72	66	64	73
89	Southeastern	64	64	0	0	44	64	57	54	125
106	Western	154	154	0	0	141.4	154	150	148	227.5
107	Western	91	91	0	-4	72.23	91	85	82	200
117	Western	160	160	0	0	150.82	160	157	155	212
118	Western	124	124	0	0	57.22	124	102	91	500
124	Western	73	73	0	0	57.12	73	68	65	160.55
571	Western	144	144	0	0	120.5	144	136	132	280
573	Western	118	118	0	0	67.5	118	101	93	404
830	Far-West Northwestern	59	59	0	-2	56	59	58	58	77.2
832	Far-West Northwestern	45	45	0	0	30	45	40	38	131.8
833	Far-West Northwestern	96	96	0	0	24	96	72	60	503.55
836	Far-West Northwestern	79	79	0	0	36	79	65	58	325

Figure Exported: 4/21/2023, By: vdeanda, Using: \\woodardcurran.net\shared\Projects\RWC\SAC\0011078.00 - Cuyama Basin_GSPVZ_GIS\2. Maps\Wells\MT_Analysis_vd.mxd

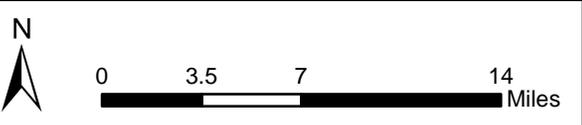
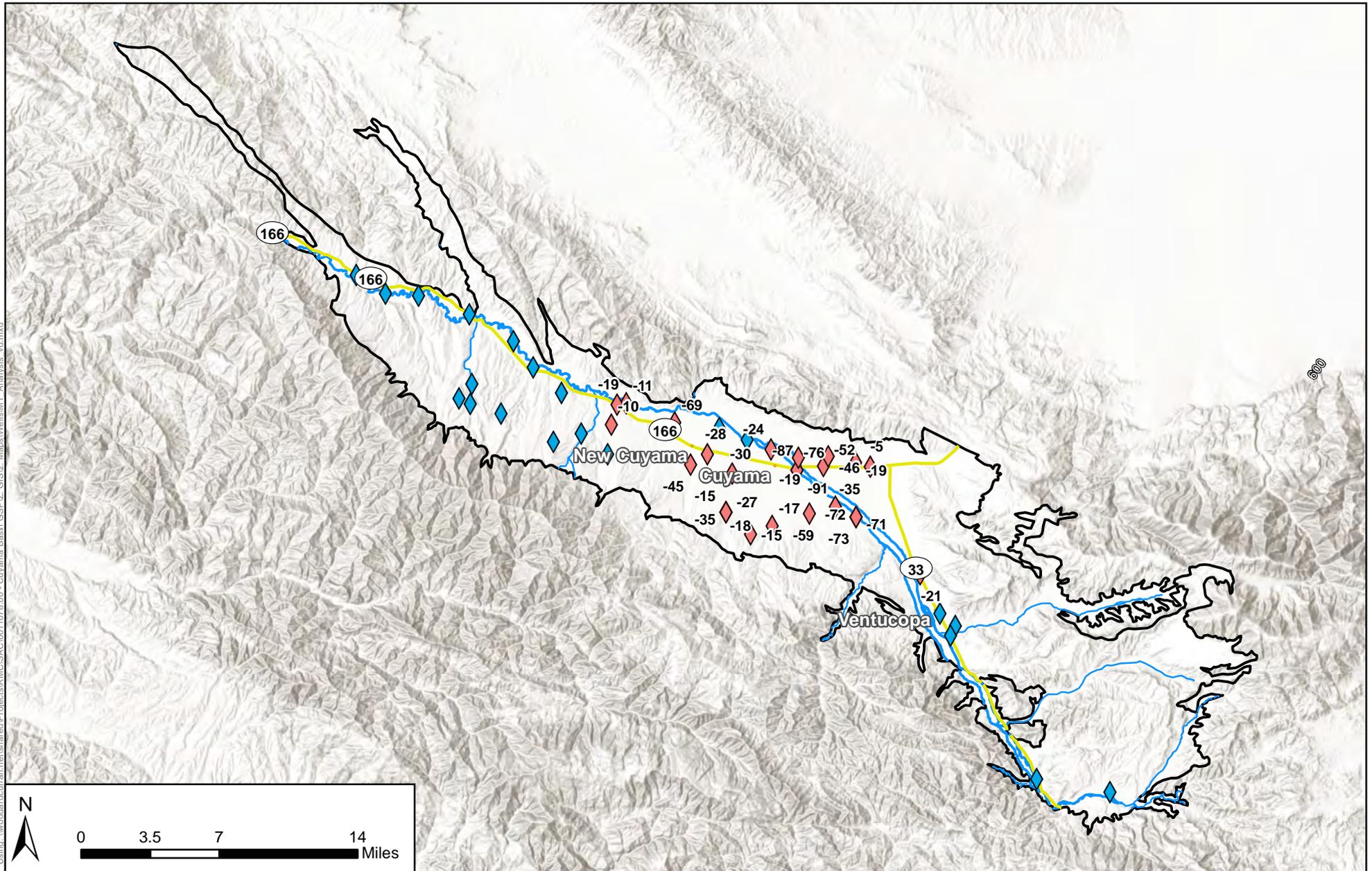


FIGURE 5-7: Changes in Groundwater Level Minimum Thresholds

Cuyama Basin Groundwater Sustainability Agency
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

April 2023



Legend

- Cuyama River
- Cuyama Basin
- Representative Monitoring Wells**
- ◆ MT Change
- ◆ No MT Change

Figure Exported: 4/21/2023, By: vdeanda, Using: \\woodardcurran.net\shared\Projects\RWC\SAC\0011078.00 - Cuyama Basin_GSPVZ_GIS\2. Maps\Wells\MT_Analysis_vd.mxd

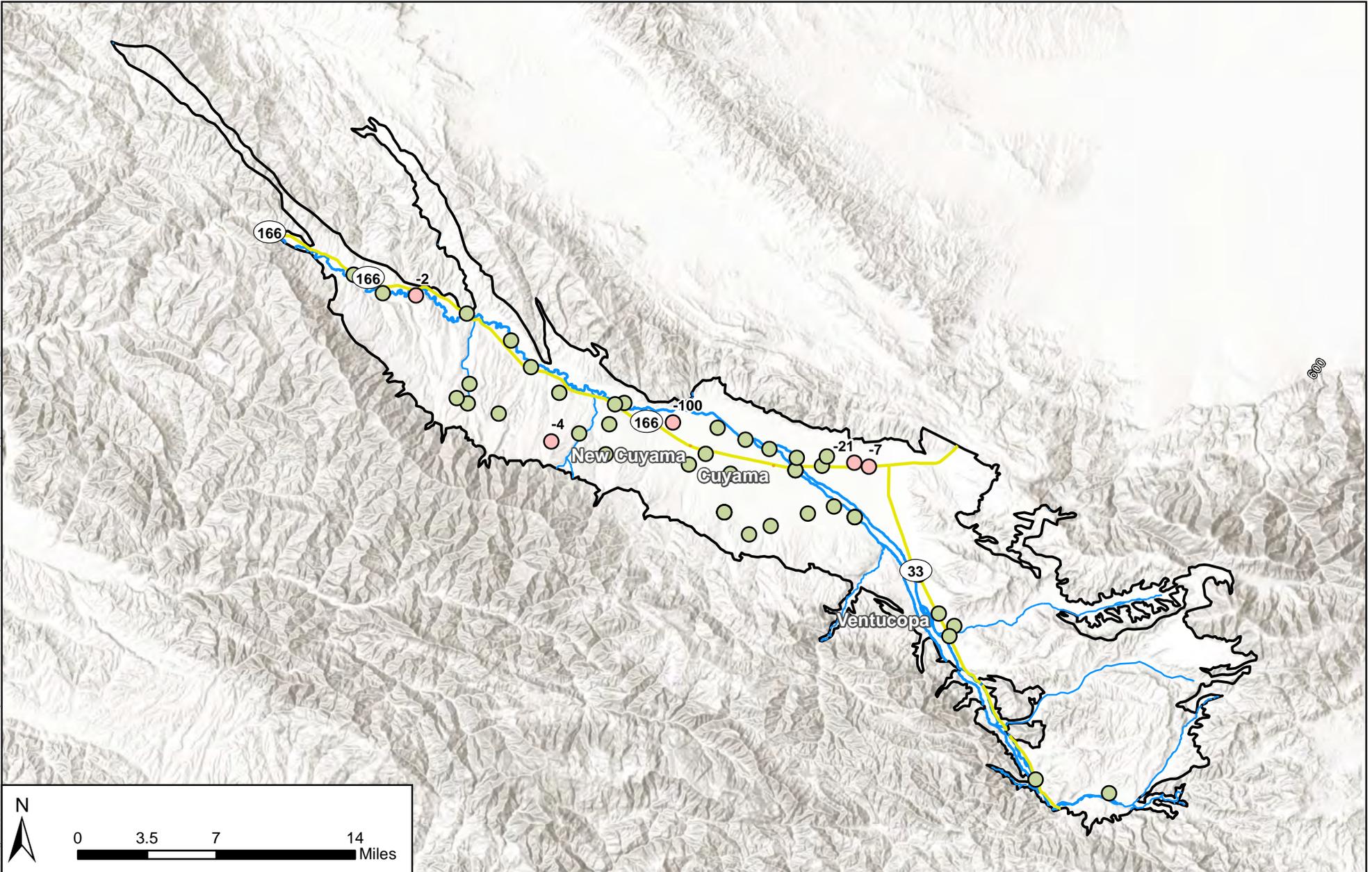


FIGURE 5-8: Projected MT Exceedances by 2025

Cuyama Basin Groundwater Sustainability Agency
 Cuyama Valley Groundwater Basin Groundwater Sustainability Plan

April 2023



Legend

- Cuyama River
- Cuyama Basin
- Representative Well Projected Exceedances**
- Projected GWL Exceedance
- No Projected GWL Exceedance



Impact Assessment of Revised Minimum Threshold Impacts on Domestic and Production Wells

An impact assessment was performed to confirm that the revised MTs are still protective of production wells and domestic wells in the Basin. The goal of this analysis was to ensure that no additional production and domestic wells would be at risk of going dry with the proposed revisions to MTs in the groundwater levels monitoring network. The assessment was performed using well location and construction information for domestic and production wells that the CBGSA has confirmed as recently active, based on information provided by GSP implementation programs and during GSP development. To accomplish this, the CBGSA collected all available well data for these wells in tabular formats.

The assessment used an estimated protective depth for production wells throughout the Basin (i.e., groundwater level depth needed to ensure the quality of pumped groundwater). For wells with a known screen interval, the protective depth was estimated to be at the middle of the screen interval. If the screen interval was not known but the well depth was known, then the protective depth was calculated as 10 feet above well depth or 5 percent of well depth, whichever is greater. If only the hole depth was known, the protective layer was calculated as 20 feet above well depth or 5 percent of well depth, whichever is greater. Some basic filtering criteria were also applied to the analysis to remove wells from consideration, including those wells that are inactive, wells without known construction data, wells that are distant from active groundwater management and monitoring, and wells that were already dry as of January 1, 2015. Following the application of the filtering criteria, a total of 104 production wells were available for evaluation.

Both the previous MTs and the revised MTs for the representative monitoring network were used to estimate the interpolated MT at each of the 104 production and domestic wells. This was compared to the protective depth at each well to determine the number of wells that were at risk. Because the revised MTs were set such that there were no additional impacts, both the previous and revised MTs had the same results, which are shown in Table 5-5. Out of 104 production and domestic wells evaluated, a total of 13 (13 percent of the total) would potentially be at risk of going dry if the revised MTs are reached. Four of these are domestic wells. The CBGSA will continue to use adaptive management to safeguard the domestic and production wells throughout the Basin.



Table 5-5: Impact Assessment for Production Wells Against Groundwater Level MTs

Threshold Region	Production Wells			Domestic Wells			Total Wells		
	Total	At Risk	% At Risk	Total	At Risk	% At Risk	Total	At Risk	% At Risk
Northwestern	10	1	10%	1	0	0%	11	1	9%
Western	8	2	25%	12	2	17%	15	3	20%
Central	54	2	4%	1	0	0%	55	2	4%
Eastern	9	1	11%	5	2	40%	13	3	23%
Southeastern	8	4	50%	2	0	0%	10	4	40%
Total	89	10	11%	21	4	19%	104	13	13%

Notes:

The total number of wells assessed is less than the sum of production wells and domestic wells because there is some overlap between production wells and domestic wells.

**Directors:**

May [INSERT], 2023

Cory Bantilan
Chair[NAME]
[ADDRESS]Matt Vickery
Vice Chair

[CITY], CA [ZIP]

Byron Albano

RE: Notification of Intent to Amend the CBGSA GSP

Arne Anselm

Dear [NAME]:

Rick Burnes

The purpose of this letter is to provide you with notice of the Cuyama Basin Groundwater Sustainability Agency's (CBGSA) intent to amend its adopted groundwater sustainability plan (GSP) pursuant to Water Code section 10728.4.

Jimmy Paulding

Zack Scrivner

On December 9, 2019, the CBGSA Board of Directors (Board) adopted a GSP for the Cuyama Groundwater Basin in accordance with the Sustainable Groundwater Management Act (SGMA). On January 28, 2020, CBGSA submitted its adopted GSP to the California Department of Water Resources (DWR) for review. Upon such review, DWR determined that CBGSA's adopted GSP was "incomplete." After several months of public meetings, on [DATE], CBGSA adopted an amended GSP, addressing those deficiencies identified by DWR. On [DATE], DWR determined that CBGSA's amended GSP would be recommended for "approved." While the CBGSA is currently implementing pumping reductions in a portion of the basin, groundwater levels have declined more quickly than anticipated during GSP development. To allow the appropriate time to fully analyze sustainable management criteria on beneficial uses and users, the CBGSA is recommending the GSP be revised now to adjust sustainable management criteria, with additional revisions to be considered during the 2025 GSP update. The CBGSA will hold a public hearing on [DATE], 2023 at 2:00 PM to consider amendment of the GSP.

Das Williams

Deborah Williams

Jane Wooster

Derek Yurosek

Staff:James M. Beck
*Executive Director*Joe Hughes
Legal Counsel

If you have any questions or would like to discuss these matters further with the CBGSA, please contact Taylor Blakslee at (661) 477-3385, or tblakslee@hgcpm.com.

Sincerely,

Jim Beck
Executive Director



TO: Standing Advisory Committee
Agenda Item No. 8a

FROM: Brian Van Lienden, Woodard & Curran

DATE: April 27, 2023

SUBJECT: Update on Groundwater Sustainability Plan Activities

Recommended Motion

None – information only.

Discussion

Cuyama Basin Groundwater Sustainability Agency (CBGSA) Groundwater Sustainability Plan (GSP) activities and consultant Woodard & Curran's (W&C) accomplishments are provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

8a. Update on Groundwater Sustainability Plan Activities

Brian Van Lienden

April 27, 2023



March-April Accomplishments

Brian Van Lienden

- ✓ Developed water year 2022-2023 Annual Report and submitted to DWR
- ✓ Continued landowner outreach for implementation of new monitoring wells and piezometers
- ✓ Provided support and recommendations for variance process for groundwater allocations
- ✓ Refined land use data for historical years between 1996 and 2016
- ✓ Implemented updates to Opti Data Management System
- ✓ Developed refined sustainability criteria and supplemental GSP section for consideration by CBGSA Board



TO: Standing Advisory Committee
Agenda Item No. 8b

FROM: Brian Van Lienden, Woodard & Curran

DATE: April 27, 2023

SUBJECT: Update on Monitoring Network Implementation

Recommended Motion

None – information only.

Discussion

An update regarding the monitoring network implementation is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

8b. Update on Monitoring Network Implementation

Brian Van Lienden

April 27, 2023

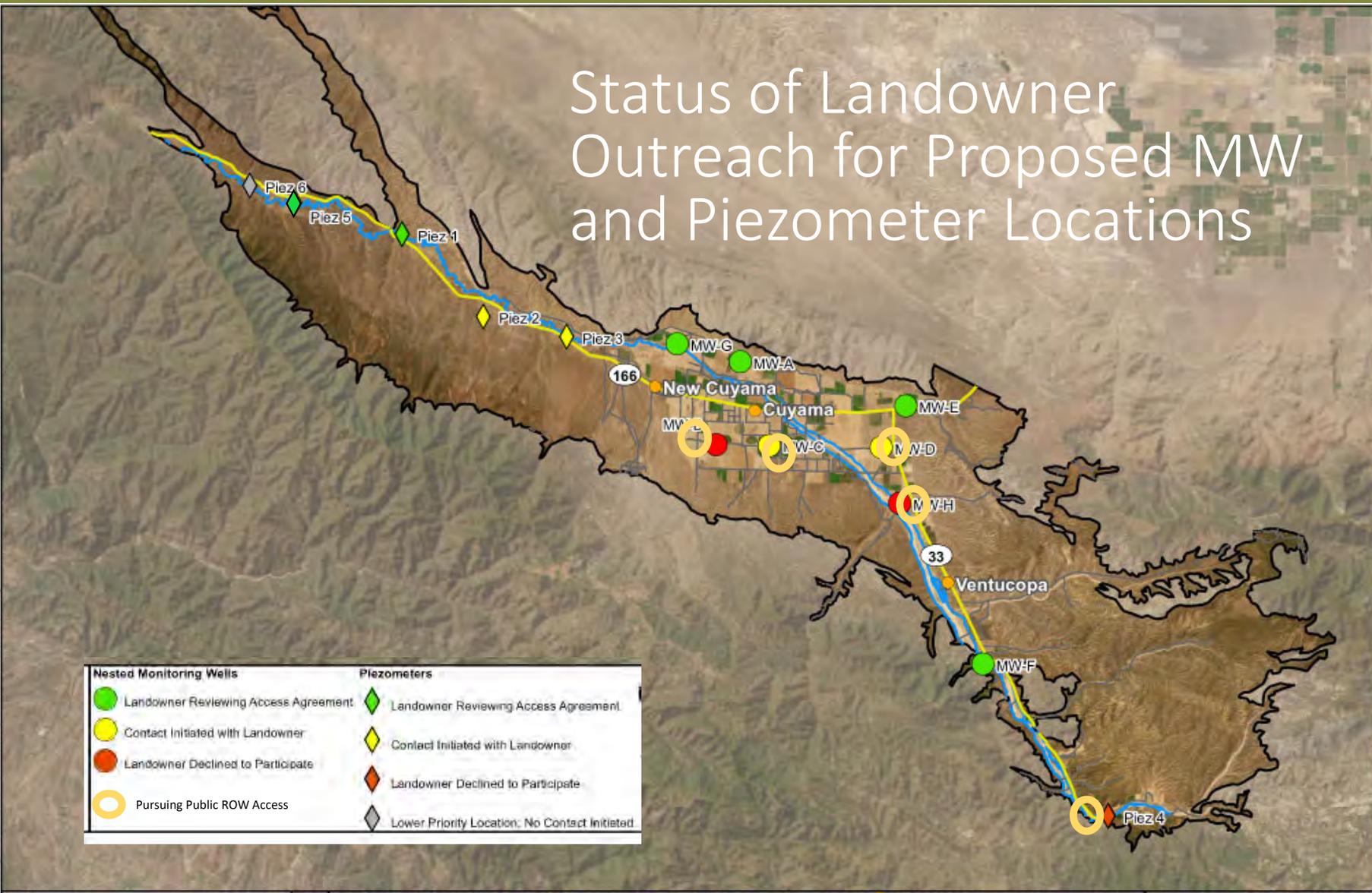


Status of Monitoring Well and Piezometer Landowner Outreach

- **Multi-Completion Monitoring Well Locations:**
 - Landowners at four locations have indicated they will likely participate
 - Landowners at two locations have declined to participate
 - Outreach is ongoing at two locations
 - Public right-of-way options are being considered at four locations
- **Piezometer Locations:**
 - Landowners at one location has indicated they will likely participate
 - Landowners at one location has declined to participate
 - Outreach is ongoing at three locations
 - Public right-of-way options are being considered at one location

Status of Landowner Outreach for Proposed MW and Piezometer Locations

Nested Monitoring Wells	Piezometers
Landowner Reviewing Access Agreement	Landowner Reviewing Access Agreement
Contact Initiated with Landowner	Contact Initiated with Landowner
Landowner Declined to Participate	Landowner Declined to Participate
Pursuing Public ROW Access	Lower Priority Location: No Contact Initiated



Stream Gauge Locations

USGS DATA

1. Cuyama R NR Ventucopa

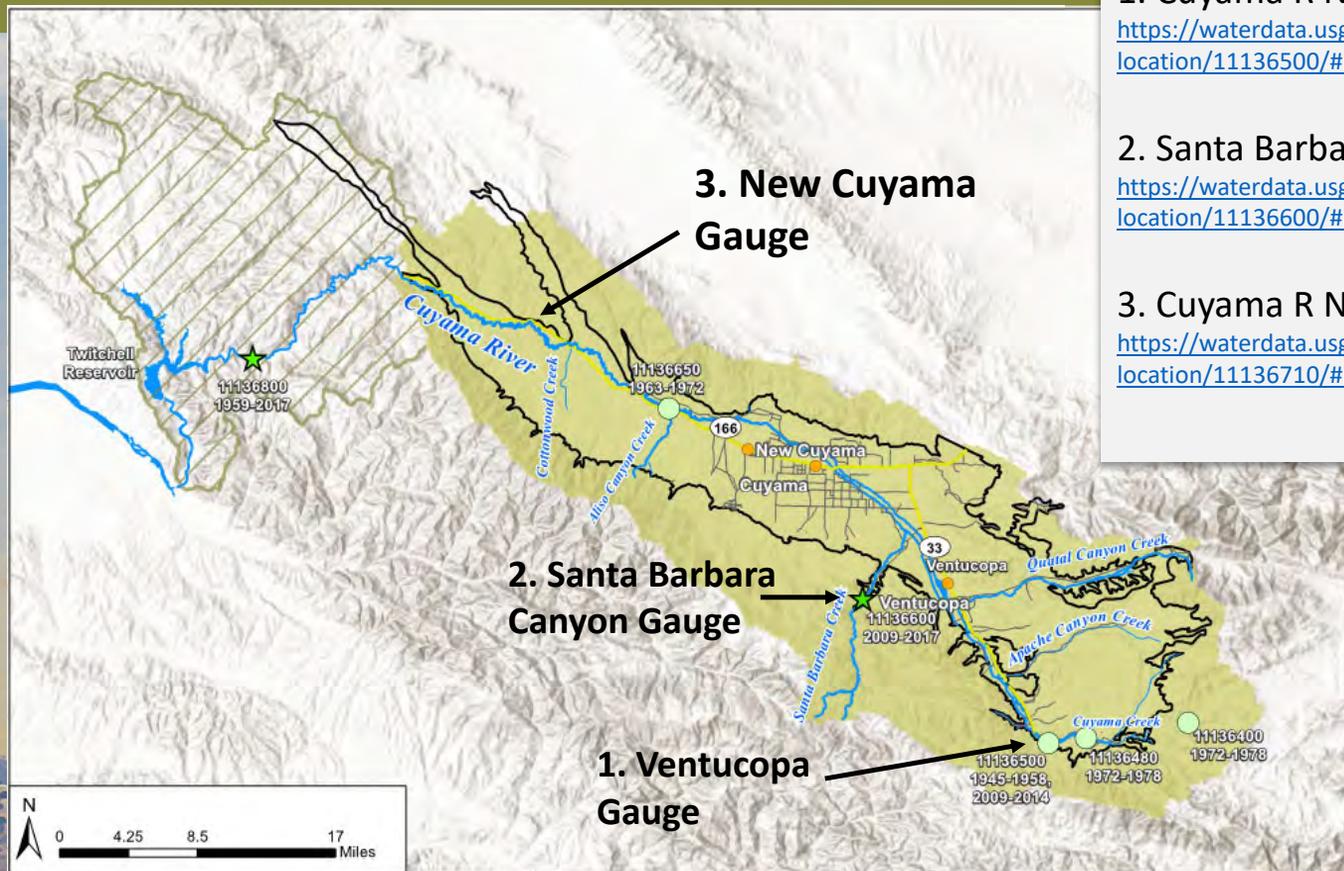
<https://waterdata.usgs.gov/monitoring-location/11136500/#parameterCode=00060&period=P365D>

2. Santa Barbara CYN C NR Ventucopa

<https://waterdata.usgs.gov/monitoring-location/11136600/#parameterCode=00060&period=P365D>

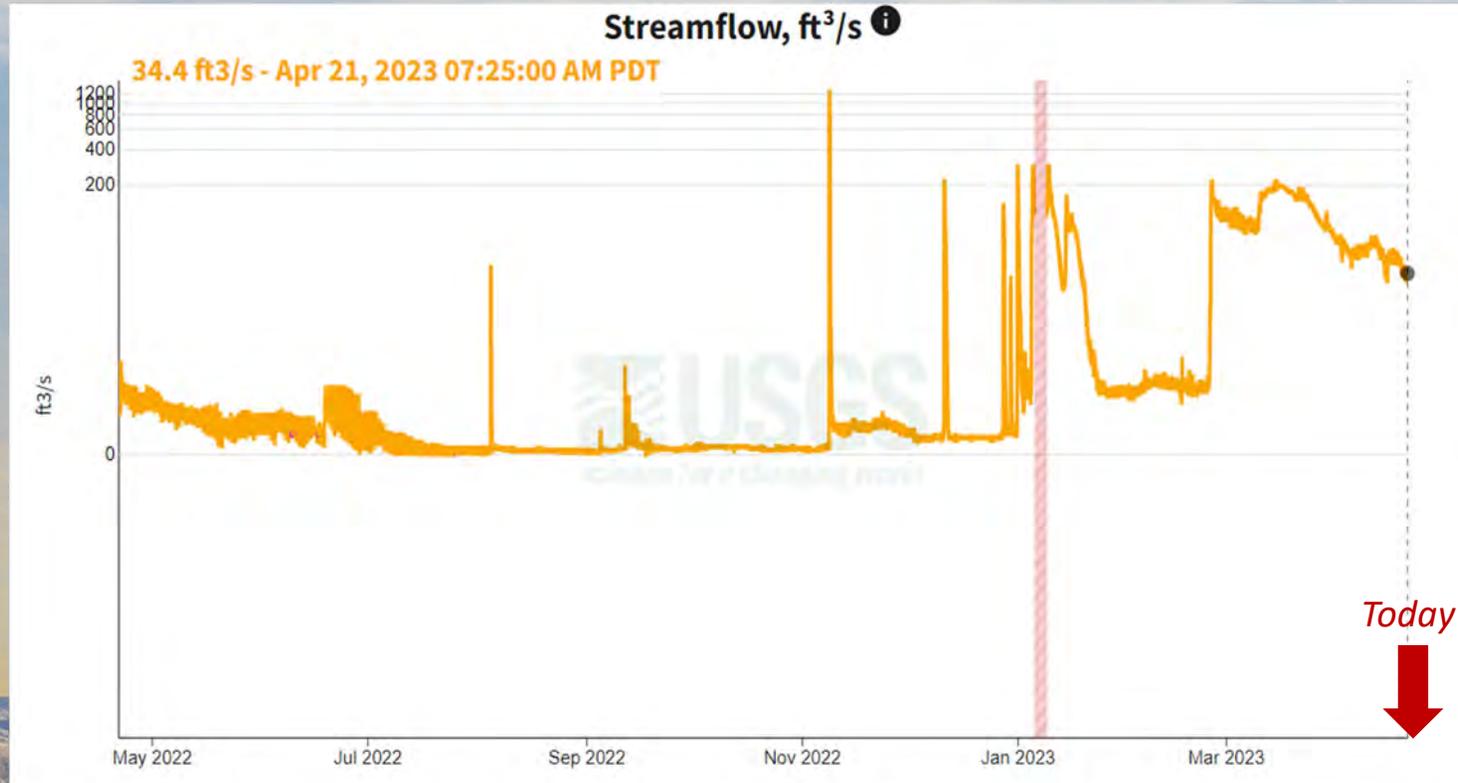
3. Cuyama R NR New Cuyama (Spanish Ranch)

<https://waterdata.usgs.gov/monitoring-location/11136710/#parameterCode=00060&period=P365D>



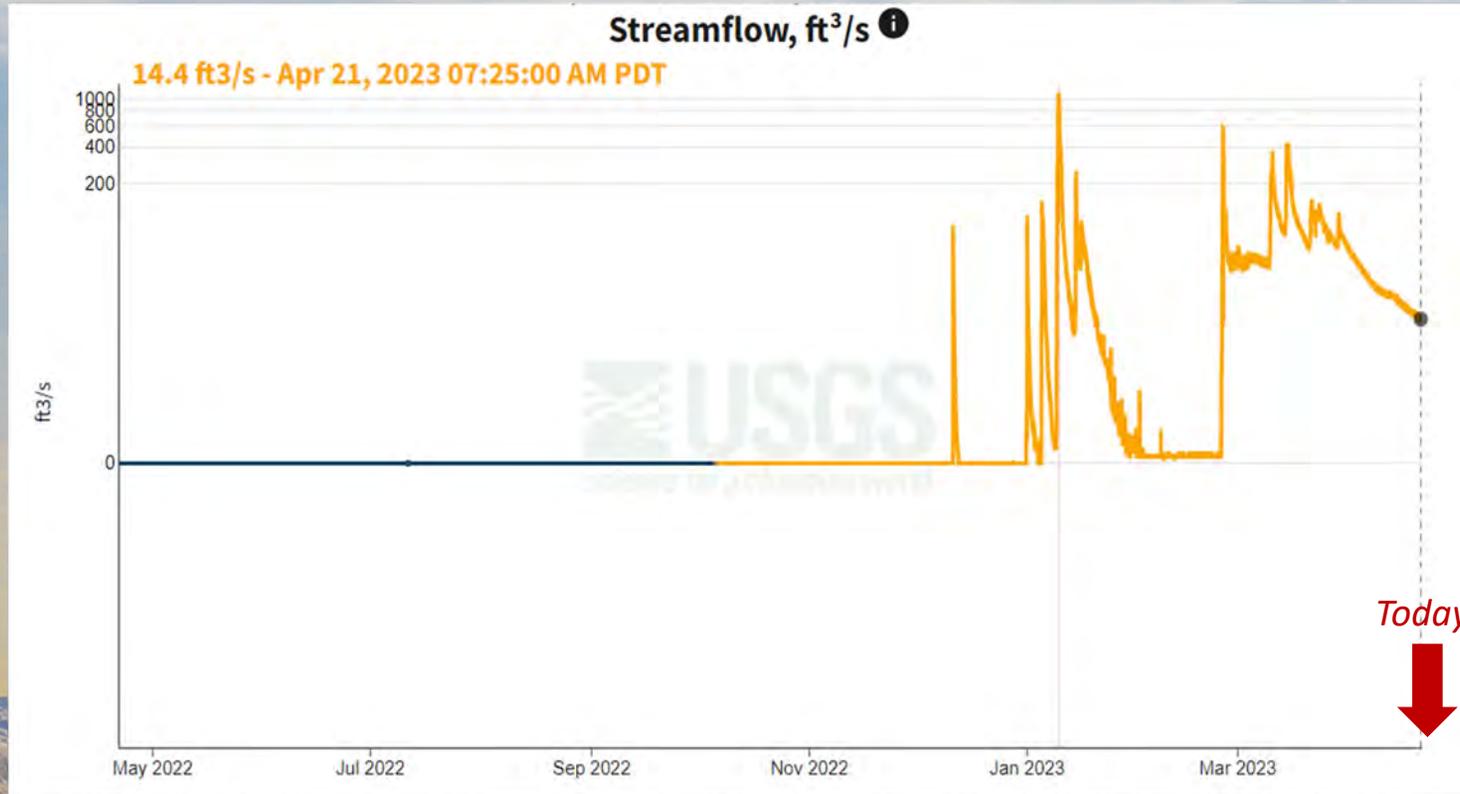
Ventucopa Stream Gauge: Discharge Data

Brian Van Lienden

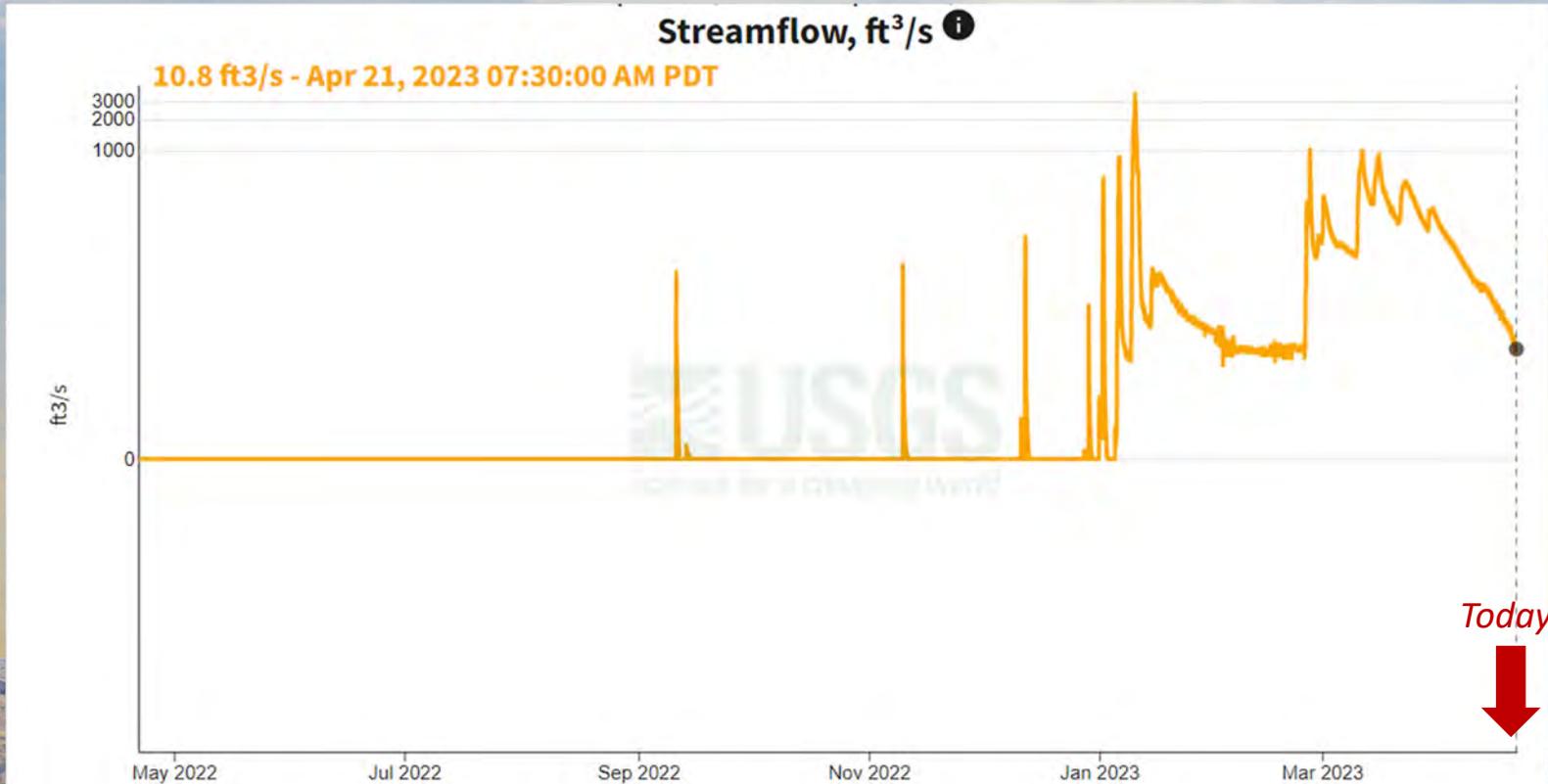


New Cuyama Stream Gauge: Discharge Data

Brian Van Lienden



Cuyama R NR New Cuyama (Spanish Ranch): Discharge Data



Schedule for Cuyama Basin Monitoring in 2023

Brian Van Lienden

- Quarterly groundwater levels monitoring:
 - January, April, July, October
- Annual water quality testing for TDS:
 - August

Update on DWR TSS Program

Brian Van Lienden

- DWR installed three new multi-completion monitoring wells in the Cuyama Basin in 2021
 - Staff is continuing to work with DWR to install transducers in these wells



TO: Standing Advisory Committee
Agenda Item No. 8c

FROM: Brian Van Lienden, Woodard & Curran

DATE: April 27, 2023

SUBJECT: Update on Opti Data Management System (DMS) Enhancements

Recommended Motion

None – information only.

Discussion

An update on Opti Data Management System (DMS) Enhancements is provided as Attachment 1.

Cuyama Basin Groundwater Sustainability Agency

8c. Update on Data Management System Enhancements

Van Lienden

April 27, 2023



Update on Opti Data Management System Enhancements

- Opti DMS functionality has been updated:
 - Displays sustainability criteria on charts
 - Additional options for displaying data on charts and tables
 - Tables expanded to include measurement method and accuracy
- Opti Link:
<http://opti.woodardcurran.com/cuyama/login.php>





TO: Standing Advisory Committee
Agenda Item No. 9c

FROM: Jim Beck, Executive Director

DATE: April 27, 2023

SUBJECT: Board of Directors Agenda Review

Recommended Motion

None – informational only.

Discussion

The Cuyama Basin Groundwater Sustainability Agency Board of Directors agenda for the May 3, 2023, Board of Directors meeting is provided as Attachment 1.



CUYAMA BASIN GROUNDWATER SUSTAINABILITY AGENCY

BOARD OF DIRECTORS MEETING

Board of Directors

Cory Bantilan Chair, Santa Barbara County Water Agency
Matt Vickery Vice Chair, Cuyama Basin Water District
Arne Anselm Secretary, County of Ventura
Byron Albano Treasurer, Cuyama Basin Water District
Rick Burnes Cuyama Basin Water District
Jimmy Paulding County of San Luis Obispo

Zack Scrivner County of Kern
Das Williams Santa Barbara County Water Agency
Deborah Williams Cuyama Community Services District
Jane Wooster Cuyama Basin Water District
Derek Yurosek Chair, Cuyama Basin Water District

AGENDA

May 3, 2023

Agenda for a meeting of the Cuyama Basin Groundwater Sustainability Agency Board of Directors to be held on Wednesday, May 3, 2023, at 2:00 PM at the **Cuyama Valley Family Resource Center 4689 CA-166, New Cuyama, CA 93254**. Participate via computer at: <https://rb.gy/1n13j> or by going to Microsoft Teams, downloading the free application, then entering Meeting ID: 218 572 368 509 Passcode: KtHYDx or enter or telephonically at (469) 480-3918 Phone Conference ID: 432 504 41#

The order in which agenda items are discussed may be changed to accommodate scheduling or other needs of the Board or Committee, the public, or meeting participants. Members of the public are encouraged to arrive at the commencement of the meeting to ensure that they are present for discussion of all items in which they are interested.

Teleconference Locations:

4689 CA-166, New Cuyama, CA 93254

105 E. Anapamu St. Santa Barbara, CA 93101

In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, to participate in this meeting, please contact Taylor Blakslee at (661) 477-3385 by 4:00 p.m. on the Friday prior to this meeting. The Cuyama Basin Groundwater Sustainability Agency reserves the right to limit each speaker to three (3) minutes per subject or topic.

1. Call to Order (Bantilan) (1 min)
2. Roll Call (Blakslee) (1 min)
3. Pledge of Allegiance (Bantilan) (1 min)
4. Standing Advisory Committee Meeting Report (Kelly) (3 min)

CONSENT AGENDA

Items listed on the Consent Agenda are considered routine and non-controversial by staff and will be approved by one motion if no member of the Board or public wishes to comment or ask questions. If comment or discussion is desired by anyone, the item will be removed from the Consent Agenda and will be considered in the listed sequence with an opportunity for any member of the public to address the Board concerning the item before action is taken.

5. Approval of Minutes – March 29, 2023 (Bantilan) (1 min)
6. Approval of Payment of Bills for February 2023 (Blakslee) (1 min)
7. Approval of Financial Report for February 2023 (Blakslee) (1 min)

ACTION ITEMS

All action items require a simple majority vote by default (50% of the vote). Items that require a super majority vote (75% of the weighted total) will be noted as such at the end of the item.

8. Discuss and Take Appropriate Action on the Fiscal Year 2023-2024 Budget and Cash Flow (Blakslee) (15 min)
9. Discuss and Take Appropriate Action on Consultant Task Orders for Fiscal Year 2023-2024 (Blakslee) (5 min)
10. Discuss and Take Appropriate Action on Resolution No. 2023-051 Adopting Final Groundwater Allocations in the Central Management Area for 2023 and 2024 (Hughes/Beck) (45 min)
11. Review and Take Appropriate Action on Supplemental Section to GSP Sustainability Thresholds Chapter and Authorize 90-Day Notice to Cities and Counties for an Amendment to the GSP (Beck/Hughes/Van Lienden) (75 min)
12. Award a Contract for the Installation of Dedicated Monitoring Wells and Piezometers (Strandberg/Hughes) (10 min)

REPORT ITEMS

13. Administrative Updates
 - a) Report of the Executive Director (Beck) (1 min)
 - b) Report of the General Counsel (Hughes) (1 min)
 14. Technical Updates
 - c) Update on Groundwater Sustainability Plan Activities (Van Lienden) (2 min)
 - d) Update on Monitoring Network Implementation (Van Lienden) (2 min)
 - e) Update on Opti Data Management System (DMS) Enhancements (Van Lienden) (15 min)
 - f) Update on April 2023 Groundwater Conditions Report (Van Lienden) (10 min)
 15. Report of the Ad Hoc Committee (1 min)
 16. Directors' Forum (1 min)
 17. Public comment for Items Not on the Agenda (5 min)
 18. Correspondence (1 min)
- 5:23 p.m.

PUBLIC HEARING

19. **PUBLIC HEARING** – Groundwater Extraction Fee (4:30 p.m.) (15 min)
20. Consider for Approval Resolution No. 2023-052 Setting a Groundwater Extraction Fee for Fiscal Year 2023-2024 and Authorize Invoicing of Landowners (Beck/Hughes) (5 min)

CLOSED SESSION

21. Conference with Legal Counsel – Anticipation Litigation
Significant Exposure to Litigation Pursuant to Government Code section 54956.9(d)(2)
 - (a) Number of Potential Cases: One
22. Adjourn (5:38 p.m.)