CARMICHAEL WATER DISTRICT

REGULAR BOARD MEETING
AGENDA PACKET

APRIL 21, 2025

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POSTED: APRIL 16, 2025

CARMICHAEL WATER DISTRICT

Regular Board Meeting - Monday, April 21, 2025, 6:00 p.m.

Carmichael Water District Board Room
7837 Fair Oaks Boulevard
Carmichael, CA 95608

Join from computer, tablet or smartphone. Click on this URL to join:
https://us02web.zoom.us/j/83596878004?pwd=bOfVj6ch85NMSco2p52u9ox3O33J6v.1

Join by phone: Dial US +1 669 900 6833

Meeting ID: 835 9687 8004 **Passcode:** 564283

AGENDA

The Board will discuss all items on its agenda, and may take action on any of those items, including information items and continued items. The Board will not take action on or discuss any item not appearing on the posted agenda, except: (a) upon a determination by a majority vote of the Board that an emergency situation exists; or (b) upon a determination by a two-thirds vote of the Board members present at the meeting, or, if less than two-thirds of the members of the Board are present, a unanimous vote of those members present, that the need to take immediate action became apparent after the agenda was posted. Agenda packets can be found at our website at carmichaelwd.org.

The Board of Directors welcomes and encourages participation in meetings. Public comment may be given on any agenda item as it is called and limited to three minutes per speaker. Matters not on the posted agenda may be addressed under Public Comment. Please follow Public Comment Guidelines found on the District's website at carmichaelwd.org/public-comment-guidelines/.

In compliance with the Americans with Disabilities Act, if you have a disability and need a disability-related modification or accommodation to participate in this meeting, please contact the General Manager at 483-2452. Requests must be made as early as possible, and at least one full business day before the start of the meeting.

CALL TO ORDER AND STATEMENT REGARDING PUBLIC PARTICIPATION: President Greenwood

ROLL CALL

PRESIDENTS COMMENTS

PUBLIC COMMENT:

1. **Public Comment**
   Any member of the public may address the Board on any item of interest to the public that is within the subject matter jurisdiction of the Board.

PRESENTATION

2. **Deterding Elementary School Water Conservation Outreach by District Intern**

CONSENT CALENDAR:

Consent Calendar items are expected to be routine and non-controversial, to be acted on by the Board in one motion. Should any Board member, staff member, or interested person request discussion on an item, the Board will consider the item separate from the Consent Calendar.

3. **Minutes for the Regular Board Meeting – March 17, 2025**
4. **Minutes for the Special Board Meeting – March 31, 2025**
5. **Monthly Expenditure Report – February 2025**
6. **Budget to Actual Report – February 2025**

ACTION CALENDAR:

7. **Garfield Well – Amendment 2 to the Professional Services Agreement for Electrical Engineering Design and Construction Services with Frisch Engineering, Inc.**
   Staff recommends that the Board of Directors authorize the General Manager to execute Amendment 2 to the Professional Services Agreement with Frisch Engineering, Inc. for Electrical Engineering Design, Construction, and Programming Services for $90,385.00. Approval of Amendment 2 will increase the approved not-to-exceed fee for this work to $196,905.00.

8. **La Vista Tank and Booster Pump Project: Advance Authorization for Upcoming Change Orders**
   Staff recommends that the Board of Directors authorize the General Manager to approve Change Orders that may be needed during the agreed upon work period of February 19, 2025 through May 23, 2026 for a total not–to-exceed amount of $75,000.
9. **Admin Building Security Remodel Project - Notice of Completion and Release of Retainage**
   Staff recommends that the Board of Directors
   1. Accept the Lobby Remodel/Employee Work Area Project as complete; and
   2. Accept the filed Notice of Complete for the Project and release $5,588.70 in retainage to the Contractor.
10. **Budget Adjustment for Raw Water Pump VFD Replacement**
    Staff recommends that the Board of Directors:
    1. approve a budget transfer in the amount of $48,000 from the Bajamont Water Treatment Plant Building Rehab capital improvement project to Water Treatment Plant Systems Maintenance line item within the Operations and Maintenance Production Department Water Treatment Operations in the approved FY 24-25 Budget, and
    2. if Item 1 is approved, authorize the General Manager to execute a contract with ACE Electric Motor to replace one variable frequency drive on Raw Water Pump, 112, with a new Nidec model.

INFORMATIONAL ITEMS:

11. **Fiscal Year 2025-2026 Draft Budget**
12. **La Vista Tank and Booster Pump Project, Continuous Update #2**
13. **Amendments to Regulation 1010 to Delegate the Authority to Allow, Deny, or Settle Government Claims for Money or Damages Not Exceeding $10,000 to the General Manager**
14. **Congressional Funding for FY 26 Appropriations**
15. **Ladera/Winding Way Wells Topside Construction Statement of Qualifications Selection**
16. **WaterSMART Planning and Project Design Grant Selection**
17. **Bajamont Water Treatment Plant Wildfire Defensible Space Follow-up**
18. **Water Forum - Monthly Runoff and Allocation Report – March 2025**
19. **RWA – Sacramento-Area Water Providers Boost Groundwater Reserves in 2024**

COMMITTEE REPORTS:

20. **Sacramento Groundwater Authority Board Meeting**
    Director Selsky Reports Out.
21. **Regional Water Authority Executive Committee and Regular Meeting**
    Director Greenwood Reports Out.
22. **Carmichael Chamber of Commerce**
    Director Nelson Reports Out.
23. **Other Committee Reports**
    Directors Report Out.

STAFF REPORTS:

24. **General Manager and District Activity Report – March 2025**
25. **Director's Expense Reimbursement Summary – March 2025**

GENERAL CORRESPONDENCE/INFORMATION:

26. **Director's Written and/or Oral Reports**

The next meeting of the Board of Directors will be a Regular Board Meeting held on:
Monday, May 19, 2025 at 6:00 p.m.

CARMICHAEL WATER DISTRICT

Regular Board Meeting
Monday, March 17, 2025, 6:00 p.m.

Carmichael Water District
7837 Fair Oaks Boulevard
Carmichael, CA 95608

MINUTES

The Carmichael Water District Board of Directors met in Regular Session this 17th day of March at 6:00 p.m. in person and via teleconference.

ATTENDANCE:
Directors: **Ronald Davis, Mark Emmerson, Ron Greenwood, Jeff Nelson, Paul Selsky**
Staff: **Cathy Lee, Gaby Padilla, and Kelly Doyle**
Public: **Two (2) Member of the Public**

CALL TO ORDER: President Greenwood called the meeting to order at: **6:00 p.m.**

PRESIDENTS COMMENTS: President Greenwood led the Pledge of Allegiance. President Greenwood commented that there are several items the Board is working on including the General Manager's performance evaluation and several other closed session items that are in process.

PUBLIC COMMENT

1. **Public Comment**
   None.

ANNOUNCED CLOSED SESSION AND ADJOURNED OPEN SESSION TO CLOSED SESSION: 6:04 p.m.

CLOSED SESSION

2. **CONFERENCE WITH LEGAL COUSEL – SIGNIFICANT EXPOSURE TO LITIGATION (Government Code Sections 54956.9 (d) (2) Related to a Single Claim)**

ADJOURNED CLOSED SESSION AND OPENED REGULAR SESSION: 6:18 p.m.

REPORTED OUT OF CLOSED SESSION: The Board of Directors gave direction to legal counsel and to staff.

CONSENT CALENDAR

3. **Minutes for the Regular Board Meeting – February 18, 2025**
4. **Minutes for the Special Board Meeting – February 28, 2025**
5. **Minutes for the Special Board Meeting – March 11, 2025**
6. **Monthly Expenditure Report – January 2025**
   Directors commented that they saw a payment for Toppel Consulting and inquired the schedule for La Vista Tank.
   The General Manager informed the Board of Directors that the contract was issued as soon as the Board approved it on February 18th. On February 19th, the notice to proceed was issued to KKI. They have 458 days to finish the project and the estimated date of completion is around May 23, 2026. There has been three meetings with KKI where they have submitted their schedule and they have started working at the project site since then. Unfortunately, last week there was not much progress due to the rain. The General Manager also mentioned that there is an item in this Board packet that discusses this topic in greater detail and that Mr. Toppel would be coming in May to the Board meeting to present the status of the project.

   Directors also inquired about the payment to the State Water Resource Control Board for the treatment plant operations and licenses and if this was an increase.
   The General Manager informed the Board of Directors that the amount is about the same and the amount is based on the size of the water system.

   Directors commented that it looks like the SMUD bill went down.
   The General Manager informed the Board of Directors that this is because there is a lower production due to people not irrigating their lawns.
7. **Budget to Actual Report – January 2025**
8. **Treasurers Report**
9. **Directors Compensation and Reimbursements**

M/S Selsky / Emmerson to approve the consent calendar.

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Mark Emmerson	Aye	✓	Nay		Absent		Abstain	
Jeff Nelson	Aye	✓	Nay		Absent		Abstain	
Ronald Davis	Aye	✓	Nay		Absent		Abstain	
Ron Greenwood	Aye	✓	Nay		Absent		Abstain	
Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0
Passed Unanimously:		✓						

ACTION ITEMS

10. Request for Proposal: Progressive Design-Build Professional Assistance for the Ladera and Winding Way Well Site Improvement Project

Staff recommends that the Board of Directors approve a Service Agreement with Water Systems Consulting (WSC) for a not-to-exceed value of $31,147 and authorize the General Manager to execute the agreement based on approval by the District's attorney.

Directors inquired if WSC would not be submitting a bid on Wednesday in response to the RFP.
The General Manager informed the Board of Directors that they were correct.

Directors inquired if this was to assist the District in assessing contractors who summit a bid on the progressive design RFQ.
The General Manager informed the Board of Directors that they were correct.
Directors inquired if the reason staff feels the need to hire a contractor is because they have expertise that CWD's staff does not and/or is it due to the lack of time to review the proposals that come in.
The General Manager informed the Board of Directors that the consultant will be looking at the qualifications and then the proposals later as well. The Engineering Department could possibly be able to assess the bids. Due to the fact that no one in the Engineering Department has done a progressive design project before, they feel like having a contractor with the experience of doing such project will guarantee that all the important items will be reviewed.
Directors commented that they are glad that staff decided to hire a consultant since staff has never done a progressive design because this type of design is completely different that a regular one.

Directors inquired how the RFQ was prepared.
The General Manager informed the Board of Directors that staff looked online to see how the RFQ's were structured and focused on the experience of the contractors with wells. The RFQ also included the project description.

Directors inquired if a shortlist will be created with the qualified contractors.
The General Manager informed the Board of Directors that there will be a shortlist after staff and Water Systems Consulting has reviewed the bids then the RFP will be created.

Directors inquired what the ranking was for this RFQ.
The General Manager informed the Board of Directors that GEI came in second but since they were already doing the design for the La Sierra well, staff wanted to have someone new looking at the designs. Vanir and Dugan were tied for third but they did not focus on CWD's project and their reference list did not have topside production and designs experience. Granberg and Toppel were last because they lacked the details that the other firms listed.

Directors inquired if WSC was also going to help staff make sure that the contractor that is chosen is familiar with the two-step process that is rather new in California.
The General Manager informed the Board of Directors that they would be reviewing the proposals and so will CWD's attorney, Ms. Nichols, since she is more familiar with the public contract code. WSC will also be helping staff create the RFP that will be sent out to the contractors that are on the shortlist from the RFQ.

M/S Nelson / Davis to approve staff's recommendation.

Mark Emmerson	Aye	✓	Nay		Absent		Abstain	
Jeff Nelson	Aye	✓	Nay		Absent		Abstain	
Ronald Davis	Aye	✓	Nay		Absent		Abstain	
Ron Greenwood	Aye	✓	Nay		Absent		Abstain	
Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0
Passed Unanimously:		✓						

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11. Water Quality Monitoring Laboratory Services Award

Staff recommends that the Board of Directors approve a Service Agreement with BSK Analytical for 2025-2029 Water Quality Monitoring and authorize the General Manager to execute the agreement.

Directors inquired if the list of constituent testing chemicals are the same chemicals that the Division of Drinking Water (DDW) require agencies to test on a regular basis.
The General Manager informed the Board of Directors that they were correct; all the chemicals listed are a part of title 22.

Directors commented that they know this lab and they believe they are a good lab.
The General Manager informed the Board of Directors that BSK has been working with CWD for about 15 years.

Directors inquired about PFAS testing.
The General Manager informed the Board of Directors that PFAS is not on the list because it is a UCMR.

Directors inquired about CWD handling all other chemicals that are not a part of title 22.
The General Manager informed the Board of Directors that those will come in when EPA approves the lab. Staff will give BSK a service order, which is usually under $50,000 and get those tested.

Directors inquired if there will be manganese treatment.
The General Manager informed the Board of Directors that there will be at Ladera Well.

M/S Nelson / Davis to approve staff's recommendation.

Mark Emmerson	Aye	✓	Nay		Absent		Abstain		
Jeff Nelson	Aye	✓	Nay		Absent		Abstain		
Ronald Davis	Aye	✓	Nay		Absent		Abstain		
Ron Greenwood	Aye	✓	Nay		Absent		Abstain		
Paul Selsky	Aye	✓	Nay		Absent		Abstain		
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0	
Passed Unanimously:		✓							

12. Contract Approval for 2025 Rate Study and Business Plan Consultant – Hildebrand Consulting

Staff recommends that the Board of Directors approve a service agreement Hildebrand Consulting for a not-to-exceed cost of $89,500 and authorize the General Manager to execute the agreement.

Directors commented that they want to make sure that CWD continues to be financially solid and have working capital so that if an emergency comes up, which could be millions of dollars, CWD would have enough to cover.
The General Manager informed the Board of Directors that the consultant might suggest that CWD is better off saving any excess money. The Water Treatment Plant (WTP) has seven phases of pipeline replacement because these are old pipelines at the WTP that have not been replaced since the construction of the Ranney Collectors. Staff has estimated that this would could about 13 million dollars. It is projects like this that the consultant will be factoring in on the study to determine whether a rate increase is needed.

Mr. Hanscom commented that he participated in the last two rate studies. The first one was with Mr. Reed and the second was with Mr. Reed and Mr. Hildebrand. Mr. Reed was very easy to work with and very knowledgeable. He mentioned that he was not really enamored with Mr. Hildebrand and stated that he had some issues with communications. He also mentioned that he started looking at what the study cost and determined that it is about nine weeks of work for $9,940 per week. He feels like it is a lot of money for someone who has done this before who is just updating the rate study template.
Directors responded that there are templates to start to build the study but there is an analysis of all the changed factors over the past five years and that is what the District is paying for. It includes inflation, supply chain disruptions, and more issues that the analysis will inform the District to anticipate those types of changes and how to address them. They also mentioned that the change circumstance from five years ago to today is enormous.
Mr. Hanscom commented that if there is a well-built template then all of that is just plug in and changing numbers.
Directors commented that it is not just updating numbers, its situations that could potentially arise and they feel that just a template cannot give them the well thought out analysis under the circumstances that CWD is dealing with for everything.
Mr. Hanscom commented that every time this study gets done there is a lot of the same boiler plate items that get brought up over and over again and he understand that there is going to be a lot of new stuff in this study but there

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a lot of repetitive items.
Directors commented that they agree with Mr. Hanscom, because if they have a good template than about 60-70 percent of this is done. They requested staff to query the process that they go through systematically and write it down. So maybe in the future staff can do this type of analysis. They also suggest that this become a standardized procedure or methodology that is done by all the surrounding water districts through RWA.

Directors commented that years ago District staff did the rate study in house and it was flawed. It violated two fundamental rate setting principles on how the fix charges are created for the meter and had an erroneous quantity charge. It was corrected about two years later by an actual rate study consultant.
Directors commented that it is a big mistake to have staff create this analysis because ideally the District should have someone on the outside who is objective, independent, and who can defend the rate increase. They also mentioned that they do not think there could be a template that could cover something so complicated. CWD transitions from surface water to groundwater, there is evolving regulations, the market for funding is different, and there is a base rate and a usage rate and there has to be a determination if that needs to be shifted around. All these examples are why a simple template could not work for a rate study this complicated.
The General Manager informed the Board of Directors that Mr. Hildebrand has the experience to handle all the above and he knows what needs to be done and has seen what a lot of districts are doing or planning with regard to the water shortage contingency.

Mr. Christian commented that he does not agree with this process simply because it is not competitive because it was not sent to other businesses to submit bids on it. By doing an RFP process, it could have potentially brought down the cost and benefited the rate payers. He then inquired as to why there is talks about a rate increase when it has been stated that there is a surplus of money from the previous rate increase. All the projects that will be done in the next fiscal year could be estimated. With the surplus money, there does not need to be a rate increase at least for one year. He mentioned that in the community there is a high number of people suffering from inflation and struggling to pay their bills. He commented that it bothers him that the Board has not looked at this as trying to have some relief for the rate payers since the District is doing so well. He understands that rate increases are inevitable and it is for preventative measures but the District currently has a surplus of money where a rate increase is not needed at this time. Rate payers are not doing well right now financially and cannot generate enough income to pay all their utility bills, mortgage/rent, insurance and living expenses like food. He thinks the District should not do a rate increase for this next year.
Directors commented that it is fiscally responsible to do a rate study every five years but it does not mean there will be a rate increase. If the consultant sees that a rate increase is needed then they are going to have to explain why. The Board could even decide and vote to not do a rate increase like how Mr. Christian suggested as well.

Mr. Christian commented that it seems like there should be a rate return because the District received 18 million dollars in funding.
Directors commented that the funding is tied directly to projects.
Mr. Christian commented that he understand that the funding is for the projects but what he is suggesting to the Board is to not do a rate increase for a year because the District has the money for the next fiscal year's projects. He stated that if they did do a rate increase this upcoming year then it would be impinging on the rate payers to just add funds to the treasury where there is already a surplus and it does not make sense to do so when the District is not in a deficit.
Directors commented that they could easily ask the consultant that will be conducting the rate study to come up with several alternatives to rate increases.
The General Manager commented that the consultant always comes up with different scenarios to present to the Board and the Board votes for the best option for the District and rate payers.
Mr. Christian requested that the Board really deliberate the options and come up with the best option for the District and the rate payers.
Directors commented that they agree with Mr. Christian and their first thought is going to be sensitive to the rate payers. They mentioned that they cannot make any commitments at the moment but the rate payer's interest is the first priority when they make a decision.

M/S Davis / Selsky to approve staff's recommendation.

Mark Emmerson	Aye	✓	Nay		Absent		Abstain		
Jeff Nelson	Aye	✓	Nay		Absent		Abstain		
Ronald Davis	Aye	✓	Nay		Absent		Abstain		
Ron Greenwood	Aye	✓	Nay		Absent		Abstain		

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Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0
Passed Unanimously:		✓						

13. Budget Adjustment for Raw Water Pump VFD Replacement

Staff recommends the Board of Directors

1. approve a budget transfer in the amount of $48,000 from the Bajamont Water Treatment Plant Building Rehab capital improvement project to Water Treatment Plant Systems Maintenance line item within the Operations and Maintenance Production Department Water Treatment Operations, in the approved FY 24-25 Budget, and
2. if Item 1 is approved, authorize the General Manager to execute a contract with ACE Electric Motor to replace one variable frequency drive on Raw Water Pump, 111, with a new Nidec model.

Directors inquired if one of the Toshiba drives were being replaced by the Nidec drive.
The General Manager informed the Board of Directors that this was correct.
Directors inquired if the Nidec drive was a good drive and how did staff choose this.
The General Manager informed the Board of Directors that Nidec's parent company, ACE Electric Motor, is the same as the pump manufacturer and unfortunately Altivar drives are no longer being made. The reason staff chose the Nidec drive was to have all the drives be the same.
Directors inquired when the other Toshiba drive would be replaced.
The General Manager informed the Board of Directors that it will be replaced in October.

Directors inquired why they did not look into the Danish drives.
The General Manager informed the Board of Directors that staff looked into it but they decided it was best to have the same drives at the moment and the Danish drives were more expensive.
Directors commented that they might be expensive because they are good quality.

Mr. Hanscom inquired if there were two drives that are bad.
The General Manager informed Mr. Hanscom that he was correct.
Mr. Hanscom inquired why the District wouldn't replace them both now if there is money in the budget.
Directors commented that they agree and that the prices could increase by the end of the year and would not have to mobilize twice.
The General Manager informed the Board of Directors that staff is concerned about how many they could get at one time and that is why they decided to do one now and one in October.
Directors commented that if it was possible to buy them both then they think it would make the most sense to buy them both at the same time.
The General Manager requested the Board of Directors approve this current request and then next month staff would bring the second one to the Board for approval if it is possible to buy them both
Directors commented that as long as they are both delivered at the same time.
The General Manager informed the Board of Directors that staff would make sure they would be delivered at the same time.

M/S Nelson / Emmerson to approve staff's recommendation.

Mark Emmerson	Aye	✓	Nay		Absent		Abstain	
Jeff Nelson	Aye	✓	Nay		Absent		Abstain	
Ronald Davis	Aye	✓	Nay		Absent		Abstain	
Ron Greenwood	Aye	✓	Nay		Absent		Abstain	
Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0
Passed Unanimously:		✓						

14. Purchase of Replacement Vehicles for the Production Department

Staff recommends the Board of Directors authorize the General Manager to:

1. Purchase 1 (one) 2025 Ford F150 Super cab 4X4 from Downtown Ford Sacramento under the LPA State Contract ID#1-22-23-20F and
2. Surplus Vehicle #38 (2018 Ford F150) to public auction.

Directors inquired if the 2018 Ford F150 was creating some type of hardship with the maintenance.
The General Manager informed the Board of Directors that it was and there are some issues on the vehicle that

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cannot be fixed and the dealer cannot even figure out what is wrong.
Directors thanked staff for bringing this time back with the Board's recommendation.

Mr. Christian inquired what the purpose of the new truck was for.
The General Manager informed Mr. Christian that the truck is used to go to all the well sites for inspection and to get weekly samples from the distribution systems.
Mr. Christian inquired how many miles is on the 2018 Ford F150.
Staff informed Mr. Christian that it had 99,000 miles.

M/S David / Nelson to approve staff's recommendation.

Mark Emmerson	Aye	✓	Nay		Absent		Abstain	
Jeff Nelson	Aye	✓	Nay		Absent		Abstain	
Ronald Davis	Aye	✓	Nay		Absent		Abstain	
Ron Greenwood	Aye	✓	Nay		Absent		Abstain	
Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	5	Nays:	0	Absent:	0	Abstain:	0
Passed Unanimously:		✓						

INFORMATIONAL ITEMS

15. La Vista Tank and Booster Pump Project, Continuous Update #1
Directors thanked staff for the report.

Directors requested to have Mr. Toppel present to the Board, in person, for any significant activity.

16. Claremont Road and Fair Oaks Boulevard at El Camino Avenue Water Main Replacement Project
Directors commented that they appreciate the heads up on this project and asked staff to update the Board with any projects like this so that way they are aware of what projects are going on in the community. As such, if they receive a call about the projects they have a better idea on how to respond.
The General Manager informed the Board of Directors that there will not be any construction going on until June and this is just to inform the Board about the public notice that will be distributed on April 8th.

17. Engineering Staffing Update
Directors inquired if there was enough in the budget to fund this position.
The General Manager informed the Board of Directors that there is enough only because the GIS Specialist left and the Water Efficiency Specialist is a lowered paid position than the GIS position.

Directors inquired if this new position only to address water leaks or is it to advertise the turf replacement program.
The General Manager informed the Board of Directors that this position will be doing both, and able to address water leaks and go inform the rate payers on all the programs the District has.

18. Surplus Equipment – Distribution and Administrative Services Departments
No comments.

19. ACWA Election Process for 2026-27
Directors inquired if Marwan Khalifa was the Interim Executive Director.
The General Manager informed the Board of Directors that they were correct.
Directors commented that they have an RFP out right now to hire a consultant to do a nationwide search for the Executive Director position.

20. AWWA – Banning Fluoridation of Public Water Systems
No comments.

COMMITTEE REPORTS

21. Sacramento Groundwater Authority (SGA) Board Meeting
Director Selsky Reports Out.

Director Selsky reported that there was not a regular SGA Board meeting in the last month. He reported that he did attend a prior banked water ad hoc committee meeting and they discussed the Eastern Unit, which includes CHWD and FOWD. They Eastern Unit feel like they should have prior banked water due to their activities. Mr. Trevor Joseph was present in the meeting and stated that he did an analysis for the Eastern Units but he could not find any prior banked water and what he did find was a negative amount of banked water. The committee does not know what to recommend yet but they did decide that one option they may put out there is to not have a recommendation on the

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Eastern Unit or choose to say that this is something RWA needs to address.

22. Regional Water Authority Executive Committee and Regular Meeting

Director Greenwood Reports Out.

Director Greenwood reported that he attended the RWA Board meeting on March 13th and the key topics discussed at the meeting was the Water Forum, the ARTESIAN project, new legislation that is coming, American River Climate Adaptation Project, and the 2025 Strategic Plan was approved.

23. Carmichael Chamber of Commerce

Director Greenwood and Nelson Report Out.

Director Nelson reported that at the meeting it was reported that all federal grants were frozen and he does not know if that was changed.
The General Manager informed the Board of Directors that the District actually received funds for the turf replacement program.
Director Nelson inquired if the La Sierra funds and the Ladera funds were frozen.
The General Manager informed the Board of Directors that the La Sierra funds are not frozen and staff is concerned about the Ladera project because that money has been appropriated but not obligated. The EPA staff informed the District that the fund will be allowed to go through because it is a congressional funding and the money will be impounded if it does not get signed.
Director Nelson commented that they will confirm this because he was told that even though the grant was awarded they are just not paying.
The General Manager informed the Board of Directors that the funding agencies did reimburse the District.

24. Other Committee Report

Directors Report Out.

Director Nelson reported attending the Water Forum meeting and they were informed that they might be hiring someone by the end of the month for the Executive Director position.

Director Greenwood reported attending the Cap-to-Cap planning meeting where they discussed the topic points and they decided to break into teams of four or five so they do not over power the staff. The biggest topic they will address is funding that has already been appropriated but is currently frozen.

STAFF REPORTS:

25. General Manager and District Activity Report – February 2025

Discussed with the Board.

26. Director's Expense Reimbursement Summary – February 2025

No comments.

GENERAL CORRESPONDENCE/INFORMATION:

27. Director's Written and/or Oral Reports

Director Emmerson

1. ACWA Committee Meetings
   a. A very interesting topic discussed was the desalinization amendments because of effects that could be on marine life in the localized areas. He feels like it is a waste of time and funding to do these studies because there are other countries that have many desalination plants with no apparent degradation of the marine life there.

ADJOURNMENT: President Greenwood adjourned the meeting at: **8:18 p.m.**

Ron Greenwood, Board President **Cathy Lee, Board Secretary**

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Special Board Meeting
Monday, March 31, 2025, 10:00 a.m.

Carmichael Water District Board Room
7837 Fair Oaks Boulevard
Carmichael, CA 95608

MINUTES

The Carmichael Water District Board of Directors met in Special Session this 31st day of March at 10:00 a.m.

ATTENDANCE:

Directors: Ronald Davis, Mark Emmerson, Ron Greenwood, and Jeff Nelson

Staff: None

Public: Zero (0) Members of the Public

CALL TO ORDER: President Greenwood called the meeting to order at: **10:02 a.m.**

PUBLIC COMMENT

1. **Public Comment**
   No comments.

ANNOUNCED CLOSED SESSION AND ADJOURNED OPEN SESSION TO CLOSED SESSION: 10:02 a.m.

CLOSED SESSION

2. **PUBLIC EMPLOYEE PERFORMANCE EVALUATION – INVOLVING THE GENERAL MANAGER (Government Code sections 54957 and 54957.6)**

ADJOURNED CLOSED SESSION AND OPENED REGULAR SESSION: 11:53 a.m.

REPORT OUT OF CLOSED SESSION

The Board of Directors had nothing to report.

ADJOURNMENT: President Greenwood adjourned the meeting at: **11:53 a.m.**

Ron Greenwood, Board President **Cathy Lee, Board Secretary**

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CARMICHAEL WATER DISTRICT
MONTHLY EXPENDITURES REPORT
For the period February 1 to February 28, 2025

Check #	Check date	Payee	Description: "Division: Department - Object - detail data"	Amount
76837	2/14/2025	ACI formerly Official Payments Corp	Admin svcs: Finance: Customer Service - Payment processing fees - December	61.55
76838	2/14/2025	Bay Alarm Company	Admin svcs: General admin - Facility repairs and maintenance	350.90
76839	2/14/2025	Best Cleaning Team LLC	Production: WTP Ops, Admin: General Admin - Facility maintenance - Janitorial - January	1,500.00
76840	2/14/2025	BSK Associates	Production: WTP Operations - Water quality	1,410.86
76841	2/14/2025	Buckmaster Office Solutions	Admin svcs: IT - Equipment repairs and maintenance - January	399.08
76842	2/14/2025	Cisco Air Systems Inc	Production: WTP Ops - Systems maintenance	560.00
76843	2/14/2025	Civic Plus LLC	Admin svcs: IT - Website maintenance	7,062.78
76844	2/14/2025	Domenichelli and Associates Inc	Engineering: Professional services - Fire Flow	454.39
76845	2/14/2025	Filmtec Corp (formerly Evoqua)	Production: WTP Ops - Systems maintenance	2,505.00
76846	2/14/2025	Gavrilov & Brooks Law	Admin svcs: Human Resources - HR Personnel legal	330.00
76847	2/14/2025	Grainger	Prod: WTP Ops - Systems maintenance, Prod: Admin - Backflow supplies, Prod: Admin - Safety equipment	1,532.35
76848	2/14/2025	Invoice Cloud Inc	Admin svcs: Finance: Customer service - Payment processing fees - December	2,425.10
76849	2/14/2025	Network Design Associates Inc	Admin svcs: IT - Network monitoring/Risk assessment, IT - Contract services, IT- Hardware	7,682.91
76850	2/14/2025	Pace Supply Corp	Inventory	92.45
76851	2/14/2025	Quillcom	Admin svcs: Gen admin - Office supplies, Production: Admin - Office supplies	432.92
76852	2/14/2025	Rain for Rent	Production: WTP Ops - Systems maintenance	1,815.52
76853	2/14/2025	Royal Electric Company	CIP - Garfield Generator	9,025.00
76854	2/14/2025	Sacramento County Utilities	Production: WTP Operations - Utilities	100.13
76855	2/14/2025	SMUD	Production: Well Ops - Power	8.07
76856	2/14/2025	US Bank	See "Credit card expenses" below	
76857	2/24/2025	ACWA JPIA (Dental vision life et al)	All Depts: February Dental, vision, EAP	1,898.88
76858	2/24/2025	ACWA JPIA (WC Insurance)	All Depts: Salaries, Benefits, Taxes: Workers' comp insurance FQE 12/31/24	10,385.45
76859	2/24/2025	Agricultural Industrial Commercial Elect	Production: WTP Ops - Systems maintenance	5,836.00
76860	2/24/2025	Backflow Distributors Inc	Production: Admin - Backflow supplies	248.74
76861	2/24/2025	BHI Management Consulting	Admin svcs: GM - Studies/Contracts professional services - Employee survey and Strategic Plan	4,779.40
76862	2/24/2025	BSK Associates	Production: WTP Operations - Water quality	860.00
76863	2/24/2025	California Surveying and Drafting Supply	Admin svcs: Engineering - Software and licensing - GIS monthly software fees - February	150.00
76864	2/24/2025	Capitol Barricade Safety & Sign	Distribution: Trans/Distrib - Infrastructure repairs	2,000.00
76865	2/24/2025	Carmichael Times Newspaper The	Admin svcs: Outreach - Printing, mailing, postage	52.00
76866	2/24/2025	Clark Pest Control	Production: WTP Ops - Facility maintenance - Pest control	160.00
76867	2/24/2025	Comcast	Admin svcs: IT - Telecommunication, Production: WTP Operations - Telecommunication	1,666.34
76868	2/24/2025	County of Sacramento - Encroachment	Distribution : Admin - Inspection services, CIP - Claremont	1,074.50
76869	2/24/2025	DataProse LLC	Admin svcs: Finance: Customer service - Billing expenses - January	6,208.40
76870	2/24/2025	Dugan Management and Engineering Inc	CIP - Claremont MLRP	20,639.22
76871	2/24/2025	Filmtec Corp (formerly Evoqua)	Production: WTP Ops: - Membranes	88,277.50
76872	2/24/2025	Fiserv Inc	Admin svcs: Finance: Customer service - Payment processing fees	31.94
76873	2/24/2025	Future Ford of Sacramento	Distribution : Admin - Vehicle repairs and maintenance	2,242.51
76874	2/24/2025	GEI Consultants Inc	CIP - Ladera Well, Winding Way, Barret Rd Well, Dewey Well, Garfield-Engle Trans Pipeline	38,680.37
76875	2/24/2025	Harris Industrial Gases	Distribution: Admin - Equipment rental	29.05
76876	2/24/2025	Home Depot	Production: Admin-Shop supplies	38.56
76877	2/24/2025	Hunt & Sons Inc	Distribution: Admin - Fuel	1,860.51
76878	2/24/2025	Idexx Distribution Inc	Production: Admin - Lab chemicals and supplies (Reissued check)	803.67
76879	2/24/2025	Invoice Cloud Inc	Admin svcs: Finance: Customer service - Payment processing - January	2,472.90

CARMICHAEL WATER DISTRICT
MONTHLY EXPENDITURES REPORT
For the period February 1 to February 28, 2025

Check #	Check date	Payee	Description: "Division: Department - Object - detail data"	Amount
76880	2/24/2025	Murphy Austin Adams Schoenfeld LLP	CIP - La Vista Tank and pump station	2,025.00
76881	2/24/2025	New Answernet Inc	Admin svcs: IT - Telecommunications - February answering services	200.00
76882	2/24/2025	New Image Landscape Company	Admin svcs: Gen admin, Prod: WTP Ops, Well Ops, CIP - Winding Way Well - Facility maintenance - January	2,310.00
76883	2/24/2025	Patron Trucking Inc	Distribution: Transmission and distribution - Road restoration	1,977.16
76884	2/24/2025	PG&E	Production: WTP Ops - Power	24.42
76885	2/24/2025	Planet Paving & Grading	CIP - Service Line Replacement, Main line repair	70,884.50
76886	2/24/2025	Preferred Plumbing and Drain	Production: WTP Operations - Facilitiy repairs and maintenance	1,220.00
76887	2/24/2025	Quill.com	Admin svcs: Gen admin - Office supplies	337.64
76888	2/24/2025	Regional Water Authority	Admin svcs: Gen admin- Dues and memberships - Sacramento Regional Water Bank	27,800.00
76889	2/24/2025	Richardson & Company LLP	Admin svcs: Finance - Audit and accounting services	27,400.00
76890	2/24/2025	Sacramento EAC	Admin svcs: HR- Training (Reissued check)	25.00
76891	2/24/2025	Security Contractor Services Inc	CIP - La Vista Tank and pump station	506.25
76892	2/24/2025	SMUD	Production: Well Ops, WTP Ops - Power, Admin services: General admin - Facility expenses	79,448.51
76893	2/24/2025	Toppel Consulting Inc	CIP - La Vista Tank and pump station	12,250.00
76894	2/24/2025	Univar USA Inc	Production: WTP Operations - Chemicals	8,631.76
76895	2/24/2025	Verizon Wireless	Admin svcs: Information technology - Telecommunications, Production: WTP Operations - Telecommunications	658.13
76896	2/24/2025	Waste Management of Sacramento	Admin svcs: General admin, Production: WTP Ops - Facility expenses: Utilities	689.78
76897	2/24/2025	West Coast Energy Systems LLC	CIP - La Vista Tank and pump station	1,198.00
76898	2/27/2025	Kiwanis Club of Carmichael	Admin svcs: Outreach and Water Efficiency - Outreach - Taste of Carmichael	160.00
			EFT	
34863	2/1/2025	CalPERS (Medical)	All Depts: Benefits - February Medical insurance premium	69,323.26
34864	2/5/2025	CalPERS (Fees)	Admin svcs: Gen admin - Fees	110.00
34865	2/5/2025	CalPERS 457 Plan	457 Payment for the pay period 01/20/25-02/02/25	5,189.29
34866	2/18/2025	CalPERS (Pension contribution)	Pension Contribution (ER and EE) Pay period 01/20/25-02/02/25	18,434.92
34867	2/18/2025	CalPERS 457 Plan	457 Payment for the pay period 02/03/25-02/16/25	5,113.49
34868	2/25/2025	CalPERS (Pension contribution)	Pension Contribution (ER and EE) Pay period 02/03/25-02/16/25	18,296.87
34869	2/1/2025	Mutual of Omaha	All Depts: Benefits -February LTD and life insurance premiums	1,145.97
34870	2/26/2025	Pitney Bowes	Admin svcs: Gen admin - Postage	200.00
34873	2/24/2025	Koch & Koch, Inc	CIP - La Vista Tank and pump station	1,606,692.03
			Credit Card Expenses	
76856	2/14/2025	US Bank	1000.55	
		Arco	Distribution: Transmission and distribution - Fuel	20.63
		Sacramento County Kiefer Landfill	Distribution: Transmission and distribution - Road restoration	379.35
		Amazon	Distribution: Admin - Safety	85.66
		Amazon	Distribution: Admin - Safety, tools	122.71
		JJ's Hawaiian BBQ	Admin svcs: HR - Employee recognition	496.73
		Costco	Admin svcs: HR - Employee recognition	24.99
		ACWA Event Registration	Admin svcs: Board of Directors - Travel and meetings - ACWA Fall Conference REFUND	(824.00)
		Rocket Restrooms	CIP - La Vista Tank and pump station	53.88
		The UPS Store: Notary	CIP - Garfield Generator	15.00
		ACME Tools	Distribution: Admin - Safety	470.87

CARMICHAEL WATER DISTRICT
MONTHLY EXPENDITURES REPORT
For the period February 1 to February 28, 2025

Check #	Check date	Payee	Description: "Division: Department - Object - detail data"	Amount
		Super Clean Carwash	General admin - Vehicle repairs and maintenance	20.99
		Future Ford	Production: Admin - Vehicle Repairs and maintenance	133.74
		Check register total		**2,191,397.48**
		Payroll	Employee and Director pay, payroll taxes, payroll processing fees (Pay dates: 2/5/25, 2/19/25)	216,502.85
		Total cash expenditures		**2,407,900.33**
			*********INFORMATIONAL*********	
			Bond expenditures to be reimbursed to the General Fund from the Bond Proceeds account	
76856	2/14/2025	Rocket Restrooms	CIP - La Vista Tank and pump station	53.88
76880	2/24/2025	Murphy Austin Adams Schoenfeld LLP	CIP - La Vista Tank and pump station	2,025.00
76891	2/24/2025	Security Contractor Services Inc	CIP - La Vista Tank and pump station	506.25
76893	2/24/2025	Toppel Consulting Inc	CIP - La Vista Tank and pump station	12,250.00
76897	2/24/2025	West Coast Energy Systems LLC	CIP - La Vista Tank and pump station	1,198.00
34873	2/24/2025	Koch & Koch, Inc	CIP - La Vista Tank and pump station	1,606,692.03
		Total Bond expenditures		**1,622,725.16**

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CARMICHAEL WATER DISTRICT
Budget to Actual
For the eight months ended February 28, 2025
67% of the Budget expired

	February Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	$ Budget Available	% of Budget Used
Revenue					
District revenue					
Water sales	$ 1,194,260	$ 12,487,634	$ 17,820,000	$ 5,332,366	70.08%
Water service fees and charges	5,587	37,197	80,000	42,803	46.50%
Other service fees	9,905	104,329	134,000	29,671	77.86%
Grant revenue	-	253,069	7,750,000	7,496,931	3.27%
Interest income	19,717	274,940	400,000	125,060	68.74%
Miscellaneous	3,768	49,869	76,450	26,581	65.23%
Facility fees	-	-	50,000	50,000	0.00%
Total District revenue	**1,233,237**	**13,207,038**	**26,310,450**	**13,103,412**	**50.20%**
Outside boundary sales					
Treatment and delivery charges	85,311	682,490	1,452,000	769,510	47.00%
Total Outside boundary sales	**85,311**	**682,490**	**1,452,000**	**769,510**	**47.00%**
TOTAL REVENUE	**1,318,548**	**13,889,528**	**27,762,450**	**13,872,922**	**50.03%**
Expenditures					
Bond interest expense					
COPS Interest	77,529	631,420	947,131	315,711	66.67%
Administrative Services					
Board of Directors					
Director's Fees, taxes, insurance	1,674	12,979	37,948	24,969	34.20%
Board expenses	7,876	20,416	65,500	45,084	31.17%
Total Board of Directors Department	**9,550**	**33,395**	**103,448**	**70,053**	**32.28%**
Office of the General Manager					
Salaries, benefits, taxes	27,291	220,549	344,073	123,524	64.10%
Studies, contracts, water rights/water management	5,235	41,091	180,000	138,909	22.83%
Total Office of the General Manager	**32,526**	**261,640**	**524,073**	**262,433**	**49.92%**
Engineering/Technical Services					
Salaries, benefits, taxes	58,828	459,542	760,041	300,499	60.46%
Departmental staff allocation to Production	(12,872)	(102,976)	(154,469)	(51,493)	66.66%
Software licensing, supplies, general office	1,117	9,033	28,500	19,467	31.69%
General engineering/contract services	-	24,246	50,000	25,754	48.49%
Total Engineering Department	**47,073**	**389,845**	**684,072**	**294,227**	**56.99%**
Finance					
Salaries, benefits, taxes	36,367	297,484	546,429	248,945	54.44%
Professional and contract services	27,860	36,200	80,000	43,800	45.25%
Fees and charges	4,105	12,040	19,460	7,420	61.87%
Total Finance Department	**68,332**	**345,724**	**645,889**	**300,165**	**53.53%**
Customer Service					
Salaries, benefits, taxes	31,434	241,852	392,781	150,929	61.57%
Billing expense	6,208	37,287	76,000	38,713	49.06%
Payment processing and collection feees	2,567	36,785	62,900	26,115	58.48%
Professional and contract services	-	-	5,000	5,000	0.00%
Total Customer Service Department	**40,209**	**315,924**	**536,681**	**220,757**	**58.87%**
Human Resources					
Salaries, benefits, taxes	10,097	79,165	127,402	48,237	62.14%
Recruitment, exams/screenings, contract services	518	4,902	12,500	7,598	39.22%
Legal and litigation expense	-	1,905	62,000	60,095	3.07%
Training/certification/travel/meetings	-	4,104	17,200	13,096	23.86%
Employee recognition	-	1,428	3,000	1,572	47.60%
Total Human Resources Department	**10,615**	**91,504**	**222,102**	**130,598**	**41.20%**

*Includes budget amendments through February 28, 2025 (See attached Budget Amendment listing)

CARMICHAEL WATER DISTRICT
Budget to Actual
For the eight months ended February 28, 2025
67% of the Budget expired

	February Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	$ Budget Available	% of Budget Used
Information Technology					
Contract services	4,225	26,211	70,200	43,989	37.34%
Software licensing, website maintenance, cybersecurity	7,728	75,668	153,500	77,832	49.30%
Hardware and supplies	1,220	2,568	20,500	17,932	12.53%
Equipment repairs/maintenance	-	2,743	10,000	7,257	27.43%
Telecommunications	1,633	10,941	15,000	4,059	72.94%
Allocation of IT expenses to Production	(3,592)	(28,736)	(43,100)	(14,364)	66.67%
Total Information Technology Department	**11,214**	**89,395**	**226,100**	**136,705**	**39.54%**
Public Outreach and Water Efficiency					
Public Outreach					
Outreach Printing, mailing, postage	52	215	15,000	14,785	1.43%
Total Public Outreach	**52**	**215**	**15,000**	**14,785**	**1.43%**
Water Efficiency					
Salaries, benefits, taxes	8,300	67,496	114,293	46,797	59.06%
Dues and memberships	1,312	10,497	15,500	5,003	67.72%
General expenses, water loss audit services	5,000	5,000	6,250	1,250	80.00%
Water efficiency outreach events	160	1,565	10,000	8,435	15.65%
Turf replacement/Rachio grant program and conservation suppl	-	14,732	139,270	124,538	10.58%
Total Water Efficiency	**14,772**	**99,290**	**285,313**	**186,023**	**34.80%**
Total Public Outreach/Water Efficiency Department	**14,824**	**99,505**	**300,313**	**200,808**	**33.13%**
General Administration					
Dues and memberships	38,031	113,649	183,751	70,102	61.85%
Facility expenses	4,112	43,295	116,500	73,205	37.16%
Fees and permits	110	8,662	13,570	4,908	63.83%
General administration expenses	483	5,437	17,750	12,313	30.63%
Retiree medical	24,495	170,455	275,000	104,545	61.98%
Insurance: Property, general liability, auto	9,508	79,727	110,500	30,773	72.15%
Total General Administration Department	**76,739**	**421,225**	**717,071**	**295,846**	**58.74%**
Total Administrative Services expenses	**311,082**	**2,048,157**	**3,959,749**	**1,911,592**	**51.72%**
Production expenses					
Production Administration					
Salaries, benefits, taxes	90,228	799,398	1,336,319	536,921	59.82%
General administration expenses	15,084	135,161	204,550	69,389	66.08%
Training/certification/travel/meetings	-	1,775	7,000	5,225	25.36%
Total Production Administration Department	**105,312**	**936,334**	**1,547,869**	**611,535**	**60.49%**
Treatment Plant Operations					
Facility expenses	3,439	20,309	49,300	28,991	41.19%
Water quality	1,543	26,809	45,000	18,191	59.58%
Chemicals	8,632	161,527	257,000	95,473	62.85%
Power	69,384	627,762	951,600	323,838	65.97%
Systems maintenance	6,359	58,713	106,500	47,787	55.13%
Fees, permits, services	5,254	48,227	96,875	48,648	49.78%
Total Treatment Plant Operations Department	**94,611**	**943,347**	**1,506,275**	**562,928**	**62.63%**
Well Operations					
Power	9,996	186,325	367,750	181,425	50.67%
Well site/Reservoir maintenance	694	41,949	70,800	28,851	59.25%
Total Well Operations Department	**10,690**	**228,274**	**438,550**	**210,276**	**52.05%**
Total Production Expenses	**210,613**	**2,107,955**	**3,492,694**	**1,384,739**	**60.35%**

*Includes budget amendments through February 28, 2025 (See attached Budget Amendment listing)

CARMICHAEL WATER DISTRICT
Budget to Actual
For the eight months ended February 28, 2025
67% of the Budget expired

	February Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	$ Budget Available	% of Budget Used
Distribution Expenses					
Distribution Administration					
General administration and facility expenses	98	16,465	76,800	60,335	21.44%
Fees, permits, services	1,206	10,055	30,400	20,345	33.08%
Vehicle repairs and maintenance	2,243	3,652	56,000	52,348	6.52%
Fuel	1,861	17,239	45,000	27,761	38.31%
Training/certification/travel/meetings	-	1,288	12,000	10,712	10.73%
Total Distribution Administration Department	**5,408**	**48,699**	**220,200**	**171,501**	**22.12%**
Transmission and Distribution Maintenance					
Salaries, benefits, taxes	91,984	755,361	1,473,797	718,436	51.25%
Capitalized labor, benefits, taxes	(37,317)	(110,850)	(493,319)	(382,469)	22.47%
Infrastructure repairs	8,104	143,619	505,500	361,881	28.41%
Road restoration	1,977	100,928	436,000	335,072	23.15%
Total Transmission and Distribution Maintenance Department	**64,748**	**889,058**	**1,921,978**	**1,032,920**	**46.26%**
Total Distribution Expenses	**70,156**	**937,757**	**2,142,178**	**1,204,421**	**43.78%**
TOTAL O&M EXPENSES	**669,380**	**5,725,289**	**10,541,752**	**4,816,463**	**54.31%**
Capital expenditures					
Capital funded by rates and grants					
Administrative Services- Capital improvements	20	38,701	110,000	71,299	35.18%
Production - WTP Facility improvements	7,181	283,992	622,500	338,508	45.62%
Production - Wells (Includes grant funded projects)	358,758	2,900,569	9,521,700	6,621,131	30.46%
Production - Vehicle and equipment	-	-	90,000	90,000	0.00%
Distribution - In house constructed assets	79,586	435,761	600,000	164,239	72.63%
Distribution - Mainline projects	20,934	101,455	2,350,000	2,248,545	4.32%
Distribution - Vehicles and equipment	-	-	270,000	270,000	0.00%
Total Capital funded by rates and grants	**466,479**	**3,760,478**	**13,564,200**	**9,803,722**	**27.72%**
Capital funded by reserves					
Membrane replacement expense	88,278	177,405	200,000	22,595	88.70%
Sacramento County impact projects	-	6,420	200,000	193,580	3.21%
Total Capital Funded by reserves	**88,278**	**183,825**	**400,000**	**216,175**	**45.96%**
Debt service, Other sources/Uses of funds					
Series B (2010 COP's Refinanced)	-	1,545,000	1,545,000	-	100.00%
PERS unfunded Liability	-	-	300,000	300,000	0.00%
OPEB liability funding	-	-	200,000	200,000	0.00%
Total Debt Service, Other sources/Uses of funds	**-**	**1,545,000**	**2,045,000**	**500,000**	**75.55%**
Reserve Funding/(Uses)					
Filter skid replacement	-	-	650,000	650,000	0.00%
Membrane replacement	-	-	200,000	200,000	0.00%
Facilties fees	-	-	50,000	50,000	0.00%
Ranney collector reserve	-	-	500,000	500,000	0.00%
Capital replacement reserves	-	-	(188,502)	(188,502)	0.00%
Total Reserve Funding/(Uses)	**-**	**-**	**1,211,498**	**1,211,498**	**0.00%**
Total Expenditure, Debt service, Fund Sources/(Uses), Reserves	**1,224,137**	**11,214,592**	**27,762,450**	**$ 16,547,858**	**40.39%**
Budget surplus (deficiency)	**$ 94,411**	**$ 2,674,936**	**$ -**		
Capital projects funded by Bonds					
CIP - La Vista Tank and Pump Station	$ 1,459,276	$ 1,536,753	$ 4,000,000	$ 2,463,247	38.42%
Total Capital projects funded by Bonds	**$ 1,459,276**	**$ 1,536,753**	**$ 4,000,000**	**$ 2,463,247**	**38.42%**

*Includes budget amendments through February 28, 2025 (See attached Budget Amendment listing)

CARMICHAEL WATER DISTRICT
Budget amendments
As of February 28, 2025

	General ledger account	Account description	Adopted Budget	Add (reduce)	Amended Budget
Amendment # 1	10-011105-33	Claremont/ Coda MLR	2,500,000.00	(250,000.00)	2,250,000.00
Board Meeting 9/16/24	10-011105-34	Dewey Well destruction		250,000.00	250,000.00
Agenda Item #7		Net effect on total appropriations		-	

	General ledger account	Account description	Adopted Budget	Add (reduce)	Amended Budget
Amendment # 2	10-011106-20	Garfield Well electrical impr's	-	1,100,000.00	1,100,000.00
Board Meeting 10/15/24	10-030100-07	Capital replacement reserves	-	(1,100,000.00)	(1,100,000.00)
Agenda Item #8		Net effect on total appropriations		-	

	General ledger account	Account description	Adopted Budget	Add (reduce)	Amended Budget
Amendment # 3	10-011106-03	La Vista Tank and pump station	-	700,000.00	700,000.00
Board Meeting 1/27/25		2019 COP Bond proceeds fund		(700,000.00)	(700,000.00)
Agenda Item #2		Net effect on total appropriations		-	

	General ledger account	Account description	Adopted Budget	Add (reduce)	Amended Budget
Mid Year Adjustment*	Revenue				
Board Meeting 2/18/25	10-040300-03	Plan check	10,000	40,000	50,000
Agenda Item #8	10-040300-09	Inspection fee	17,000	(16,000)	1,000
*Incorporates YTD Budget	10-040300-10	Meter install charges	-	3,000	3,000
Amendments #1- #3	10-040400-20	Federal grant revenue	7,600,000	(3,900,000)	3,700,000
	10-040400-10	State grant revenue	-	4,000,000	4,000,000
	10-040400-01	Other revenue - fees	50	15,950	16,000
	10-040400-13	Reimbursements/Rebates	500	5,500	6,000
	10-040700-02	Sales proceeds from sale of assets	7,000	5,000	12,000
		Revenue budget increase		153,450	
	Admin expenses				
	20-103121-00	Board: Election expense	39,938	(32,938)	7,000
	21-101103-00	GM: Wages	226,896	15,879	242,775
	21-101501-00	GM: Benefits	99,693	(15,879)	83,814
	22-102518-01	Engineering: Professional services	45,000	5,000	50,000
	23-103157-00	Finance: Payroll processing fee	12,700	2,300	15,000
	24-103107-02	Customer Service: Payment processing	116,000	(54,000)	62,000
	25-103101-02	HR: Advertising	1,500	3,500	5,000
	27-102725-12	General: RWA Regional Water Bank	36,750	8,000	44,750
	27-102735-01	General: SGA	47,250	6,750	54,000
	27-103101-01	General: Advertising- formal bid	-	400	400
	27-103173-00	General: Safety	1,000	(500)	500
	27-103301-00	General: Auto/General liability insurance	120,800	(60,800)	60,000
	27-103302-00	General: Property insurance	43,100	7,400	50,500
	28-103705-07	Water Effeciency: Contract services	4,000	1,000	5,000
	28-103705-03	Water Effeciency: Conservation supplies	8,270	(1,000)	7,270
	Production expenses				
	30-103145-01	Production: Equipment repairs and maintenance	6,500	(1,000)	5,500
	30-103193-00	Production: Uniforms	3,500	1,000	4,500
	30-103301-00	Production: Property, general liability insurance	120,800	(10,300)	110,500
	35-106903-00	Production: WTP-Water quality	33,200	11,800	45,000
	35-208700-00	Production: WTP-Systems maintenance	85,500	21,000	106,500
	38-218700-00	Production: Wells- Site/reservoir maintannce	29,800	21,500	51,300
	38-102901-00	Production: Wells- Licenses, fees and permints	2,656	2,344	5,000
		Operations and maint budget decrease		(68,544)	
	CIP				
	10-011113-01	Admin: District Wide Security	-	60,000	60,000
	10-011113-02	Admin: HVAC Replacement	40,000	10,000	50,000
	10-011105-31	Production: SCADA Upgrade	800,000	(550,000)	250,000
	10-011105-01	Production: WTP Roof Replacement	350,000	(117,000)	233,000
	10-011105-35	Production: WTP: Air Compressor:Air regulator	-	14,500	14,500
	10-011105-02	Production: ASR Study (La Sierra, Ladera, Winding \	50,000	(50,000)	-

CARMICHAEL WATER DISTRICT
Budget amendments
As of February 28, 2025

General ledger account	Account description	Adopted Budget	Add (reduce)	Amended Budget
10-011105-07	Production: Well Valve project	30,000	(30,000)	-
10-011105-34	Production: Dewey Well demolition	-	250,000	250,000
10-011105-36	Production: Well systems equipment replacement	-	21,700	21,700
10-011106-20	Production: Garfield Well electrical improvements	-	1,400,000	1,400,000
10-011105-33	Production: Claremont/Jeffrey/Coda MLR	2,500,000	(250,000)	2,250,000
10-011106-04	Distribution: Garfield - Engle transmission	500,000	(400,000)	100,000
10-011101-20-23	Distribution - In house constructed assets	493,319	106,681	600,000
	CIP budget increase		465,881	
	Net effect on total appropriations-Budget increase		243,887	
Use of reserves	Depletion of original budget surplus		(55,385)	
	Use of Capital replacement reserves		(188,502)	
	Net budget		-	
Bond proceed fund appropriation				
10-011106-02	CIP- La Vista well	700,000	3,300,000	4,000,000

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Topic: Garfield Well – Amendment 2 to the Professional Services Agreement for Electrical Engineering Design and Construction Services with Frisch Engineering, Inc.

Date: April 1, 2025

Item For: Action

Submitted By: Greg Norris, Engineering Manager
Cathy Lee, General Manager

BACKGROUND

The District is committed to providing reliable water service to its customers and providing regional backup water supply support through District interties and groundwater wells. Providing reliable water in scenarios where power is unavailable, whether it be in emergencies or planned power outages, requires that the District invest in backup power supplies. The District is taking proactive steps to improve water supply resiliency by investing in backup electrical power supplies. Backup power generation for the Garfield Well is strategic in that the Garfield Well is centrally located in pressure Zone 2, which can provide water supply to Zone 2 and gravity feed to pressure Zone 3.

The District is currently in construction at the Garfield Well site to install a backup electrical power generator along with compatible electrical controls. Adding an uninterrupted backup electrical power supply to the Garfield Well requires expertise in electrical engineering design and installation to incorporate several new electrical components including a generator, variable frequency drive (VFD), automatic transfer switch, controls, and SCADA integration.

SUMMARY/DISCUSSION

On September 6, 2022, the Board approved execution of an agreement with Frisch Engineering to initiate design of generator equipment selection work. An initial detailed inspection of the utility power supply equipment at the Garfield Well revealed a need for additional replacements to support a generator installation. In order to add the generator and an automatic transfer switch, SMUD approval must be secured before utility power will be restored to the well site. Due to the age of the well site's utility power supply equipment, SMUD approval would likely not be granted unless the key power supply equipment such as the well's substation is replaced with a modern pad-mounted transformer. The well site's meter service panel will also be replaced in order to ensure SMUD's approval of the final generator installation. Even though Garfield Well is at the end of its service life and is scheduled for replacement, the new equipment will be reused for the new/replacement well which is anticipated within the next 5 years. In response to the new electrical requirements, Frisch Engineering prepared an extra engineering work scope to support agreement Amendment 1 to make these additions. Execution of Amendment 1 was approved by the Board on January 16, 2024 and added $35,230.00 to the not-to-exceed amount of the original agreement.

With the expanded refurbishment of the Garfield Well's electrical system, Frisch developed a work scope and fee proposal to add construction management support as well as SCADA and PLC programming services to integrate the new equipment into the existing control system. The added construction management work includes: submittal reviews; response to information requests; change order assistance; work inspection; system testing verification; payment request review; and as-built drawing preparation. The SCADA and PLC programming work includes: SCADA screen graphics

development; database and historian configuration; control strategy development; operations manual preparation; operator training; and warranty support.

Amendment 2 will add $90,385.00 to the current not-to-exceed amount of $106,520.00 of the original agreement and Amendment 1 combined. Including Amendment 2, the total not-to-exceed amount will be $196,905.00.

FISCAL IMPACT

The proposal from Frisch Engineering for the additional work is $90,385 and there is sufficient funding in the approved Garfield Well Capital Improvement Project to fund this professional services agreement amendment. These funds were approved as part of the FY24-25 Budget using District funding.

RECOMMENDATION

Staff recommends that the Board of Directors authorize the General Manager to execute Amendment 2 to the Professional Services Agreement with Frisch Engineering, Inc. for Electrical Engineering Design, Construction, and Programming Services for $90,385.00. Approval of Amendment 2 will increase the approved not-to-exceed fee for this work to $196,905.00.

ATTACHMENT(S)

1.) Draft Amendment 2 for Electrical Engineering Design, Construction and Programming Services with Frisch Engineering proposal.

ATTACHMENT 1

AMENDMENT NO. 2
TO AGREEMENT FOR GARFIELD WELL ELECTRICAL ENGINEERING SERVICES BETWEEN CARMICHAEL WATER DISTRICT AND FRISCH ENGINEERING, INC.

This Amendment No. 2 to the December 15, 2022 agreement between Carmichael Water District ("District") and Frisch Engineering, Inc. ("Contractor") concerning Garfield Well Electrical Engineering services is made effective once executed by the District's General Manager, in Carmichael, California.

RECITALS:

A. On December 15, 2022, District and Contractor entered into an agreement for engineering services in connection with Garfield Well Electrical Improvements Project ("Agreement");

B. District desires to extend the services provided by Contractor;

C. Contractor is willing to perform the extended services; and

D. The parties desire to amend the Agreement on the terms and conditions set forth below to provide for the extension of services by Contractor to include: programming and construction management services as described in Exhibit A.

AGREEMENT:

1. Description of Extended Services.

   (a) Programming services for Garfield Well's PLC and SCADA system to incorporate new and replaced well electrical equipment and develop the SCADA operator interface screens as detailed in Exhibit A.

   (b) Construction management services to include assistance with contractor payments, change orders, construction supervision, inspection, and operational testing as detailed in Exhibit A.

2. Compensation.

(a) The total compensation for the additional programming and construction management services described in this Amendment No. 2 shall not exceed ninety thousand three hundred eighty-five dollars ($90,385.00). Compensation shall be based on Contractor's scope of work which is attached hereto and incorporated herein as Exhibit A to this Amendment No. 2.

(b) The not-to-exceed amounts of compensation described in subdivision (a) of this Section 2 are in addition to the not-to-exceed amount set forth in Section 2 (b) and Exhibit A of the Amendment No. 1. With this Amendment No. 2, Contractor's total not-to-exceed compensation is one hundred ninety-six thousand nine hundred five dollars ($196,905.00).

3. Term of Agreement.

This Amendment shall become effective once executed by the District's General Manager. The Agreement, together with this Amendment No. 2, shall not expire until the original agreement, Amendment 1, and Amendment 2 services are complete, unless terminated earlier pursuant to Section 3.2 of the Agreement.

4. Effect on Agreement.

Except as specifically provided herein, the Agreement, and each of its terms and conditions, shall remain in full force and effect, are incorporated herein by this reference, and apply to the work described in section 1 hereof.

CARMICHAEL WATER DISTRICT:

By: _____
Cathy Lee
General Manager

FRISCH ENGINEERING, INC.

By: _____
Thomas P. Frisch
Owner

Exhibit A

FRISCH ENGINEERING, INC.

Consulting Electrical Engineers and Programmers
13405 Folsom Blvd., Unit 600
Folsom, CA 95630

Electrical Contractor
C-10 Lic #1025671
Phone (916) 353-1025

February 25, 2025

Mr. Ken Glotzbach
Carmichael Water District
7837 Fair Oaks Blvd
Carmichael, CA 95608
Ken Glotzbach <KenG@carmichaelwd.org>

Location: Garfield Well Improvements
Subject: Engineering Construction Support and Programming Services

Mr. Glotzbach,

Frisch Electrical Engineering Inc. is pleased to submit this proposal to perform the electric power and control system construction services for this project. The following detail is provided in defining our proposed scope of work.

Construction Services

We will perform the following services to the extent possible limited only by the budget of hours and costs. Please see spreadsheet for quoted budget quantities of the tasks as listed below. We have estimated the quantity of hours for each task based on experience with similar projects. Occasionally, project circumstances require more attention than anticipated. If the project requires more effort than allocated, additional budget may be required.

2. Construction Services
   - A. Project Management and Meetings during construction
   - B. Respond to RFIs
   - C. Assist with change orders
   - D. Review Contractor Submittals
   - E. Witness factory testing (no addiitonal required)
   - F. Site visit(s) to oversee installation of electrical work.
     1. Underground conduit prior to cover.
     2. Equipment anchorage and conduit installation prior to pulling wire.
     3. Wire installation and termination.
   - G. Witness on-site electrical and instrumentation testing
     1. Electrical pre-energization tests.
     2. Electrical pre-operational tests
     3. Electrical Operational tests
     4. Commissioning
   - H. Final Electrical and Instrumentation inspections and punch-list.
   - I. As Built drawing revisions and production.
   - J. Arc Flash Analysis

1. We will conduct an Arc Flash Hazard Analysis for the power distribution system as required per Electrical Code and the procedures stated in NFPA 70E and IEEE Std 1584. Labels compliant with the NFPA 70E showing nominal voltage, PPE Category, and Arc-Flash Boundary will be provided for calculated fault locations based on the specific site conditions. One Arc flash warning label will be provided for each 3 phase connection.

Programming Services

We will program the existing City SCADA system for the new and revised site process controls. We have used the Contract Documents and assumed control requirements based on experience to approximate the effort needed to do PLC and SCADA programming and startup. The following tasks are

3. SCADA Programming
   - A. Coordination meetings
   - B. Database configuration
   - C. Program and configure new SCADA graphic screens
   - D. Alarm notification system configuration
   - E. Configure Historian
   - F. Configure Networking
   - G. Start-up and testing services
4. PLC Programming
   - A. We will coordinate with the Engineers and Owner to develop the station control strategy for the pump station and flow monitoring. We will document and program to that strategy.
   - B. Develop the database that is shared among the PLCs and SCADA System.
   - C. Perform PLC programming for the site PLCs to operate the facility. The program will be modeled after the system description in the specifications.
   - D. Factory Testing
   - E. Start-up and testing services
5. Operator Interface Programming
   - A. Screen Graphics
   - B. Database definition.
   - C. Factory Testing
   - D. Start-up and testing services
6. Electronic O&M Manual with system backup.
7. Operator Training
   - A. Electronic O&M manual
   - B. Training for staff – one session
8. Warranty Support (included for 1 year beyond initial beneficial use)

Assumptions

- Our existing insurance coverage limits for general liability ($5M) and E&O liability ($3M/5M) are sufficient. Please request insurance certificate for details.
- This quotation does not include Arc-Flash analysis (unless specifically stated) as required by the NFPA 70 electrical code. That analysis and associated equipment labeling can be provided for an additional fee.
- Rate escalation of 5% per hour is scheduled for January 1, 2026 and each anniversary thereafter. Escalated rates will only apply to extra work performed after January 1, 2026.
- Hourly rates include overhead costs such as telephone, photocopies, computer costs, and insurance.
- Hourly rates do not include expenses such as mileage, rental equipment, airline tickets, rental vehicles, lodging, non-incidental photocopying and materials.
    - Travel time will be billed at hourly rate, plus current Federal mileage rate.
    - Per diem charge will be added based on half or full day of field work.
    - Actual travel expenses (airfare, ground transportation lodging, etc.) are billed at cost plus 10% for overhead and handling.
- Programming rates include all costs for programming software subscriptions utilized to program the software at our facility. Programming rates do not include any site licenses that are required for final installation. Those licenses will be under the Contractor's scope of work to provide.

Deliverables

- Submittal reviews, RFI and change order responses, Field reports.
- Arc Flash Labels

Terms

- As defined per contract, contract by Client.
- This is a time and materials quotation with anticipated budget of hours and costs. We anticipate that we can perform the scope as described within our budget. If the Client's needs or project circumstances cause us to exceed our anticipated budget, we will make every effort to inform the Client in advance of work for authorization.
- Client will be invoiced monthly based on project progress.
- Changes to project scope may result in increased or reduced costs.

Electrical Engineering Costs

See attached Quotation

Frisch Engineering is pleased to offer this quotation for your consideration. Please give me a call or email if you have any questions or require further information.

Sincerely,

Thomas P. Frisch, P.E.
Electrical Engineer
tfrisch@frischengineering.com

I agree to project scope, assumptions, deliverables and terms and authorize Frisch Engineering to proceed:

X _____

Title: _____ Date: _____

Exhibit A

FRISCH ENGINEERING, INC.

Consulting Electrical Engineers and Programmers
13405 Folsom Blvd., Unit 600
Folsom, CA 95630

Electrical Contractor
C-10 Lic #1025671
Phone: (916) 353-1025

PROFESSIONAL ENGINEERING SERVICES COST ESTIMATE

JOB TITLE: Carmichael WD, Garfield Well ATS and Generator
CLIENT: Ken Glotzbach <KenG@carmichaelwd.org>
DATE: 2/25/2025

Description of Services: Construction Services
We will perform the following services to the extent possible limited only by the budget of hours and costs. We have estimated the quantity of hours for each task based on experience with similar projects or as directed. Occasionally, project circumstances require more attention than anticipated. If the project requires more effort than allocated, additional budget may be required.

Construction Services — Electrical Engineering Discipline

Task	Description		Principal Engineer	Senior Engineer	Senior Designer	Junior Designer	Associate Designer	Total hours per task	cost per task
2A	Meetings and PM	4 each	16	4	16	0	0	36	$8,220.00
2B	Respond to RFIs	2 each	1	2	8	2	0	13	$2,720.00
2C	Change Order Documents	1 each	2	2	8	4	0	16	$3,330.00
2D	Submittal Reviews	3 each	2	4	15	0	0	21	$4,515.00
2E	Factory Testing	0 days	0	0	0	0	0	0	$0.00
2F	Site Visit	2 visits	1	2	8	0	0	11	$2,360.00
2G	Witness Testing	0 days	0	0	0	0	0	0	$0.00
2H	Inspection and Punchlist	1 revs	1	2	8	0	0	11	$2,360.00
2I	As Built Drawings		1	0	2	3	0	6	$1,200.00
2J	Arc Flash Labels		2	4	16	0	8	30	$5,840.00
	Travel Expense and Per Diem								$450.00
	Subtotal Hours		26	20	81	9	8	144	
	Hourly rate per discipline		$250	$235	$205	$180	$140		Subtotal Costs
	Total cost per discipline		$6,500	$4,700	$16,605	$1,620	$1,120		$30,995.00

Description of Services: Programming Services
We will coordinate, program, test, start-up, commission, and warranty the programming for this project. We have estimated the quantity of hours for each task based on experience with similar projects. Occasionally, project circumstances require more attention than anticipated. If the project requires more effort than allocated, additional budget may be required.

Programming Services — Electrical Engineering Discipline

Task	Description		Principal Engineer	Senior Engineer	Senior Designer	Junior Designer	Associate Designer	Total hours per task	cost per task
3A	SCADA	Manage Implementation	0	2	3	0	0	5	$1,085.00
3B	SCADA	Database definition	0	2	6	0	0	8	$1,700.00
3C	SCADA	Screen Graphic Design	0	8	24	0	0	32	$6,800.00
3D	SCADA	Configure Alarm Notification	2	0	6	0	0	8	$1,730.00
3E	SCADA	Configure Historian	0	2	6	0	0	8	$1,700.00
3F	SCADA	Configure Networking	2	2	6	0	0	10	$2,200.00
3G	SCADA	Startup and Testing	2	0	16	0	0	18	$3,780.00
4A	PLC	Control Strategy	1	3	0	0	0	4	$955.00
4B	PLC	Database definition	0	3	1	0	0	4	$910.00
4C	PLC	Programming	11	44	11	0	0	66	$15,345.00
4D	PLC	Factory Testing	1	3	3	0	0	7	$1,570.00
4E	PLC	Startup and Testing	2	20	5	0	0	27	$6,225.00
5A	Operator Int.	Screen Graphic Design	0	25	9	0	0	34	$7,720.00
5B	Operator Int.	Database definition	0	3	1	0	0	4	$910.00
5C	Operator Int.	Factory Testing	1	3	3	0	0	7	$1,570.00
5D	Operator Int.	Startup and Testing	2	4	4	0	0	10	$2,260.00
6	Electronic O&M Manual including backup		0	2	6	0	0	8	$1,700.00
7	Operational Training		0	2	2	0	0	4	$880.00
8	Warranty Support (1 yr. included)		0	0	0	0	0	0	$0.00
	Travel Expense and Per Diem								$350.00
	Subtotal Hours		24	128	112	0	0	264	
	Hourly rate per discipline		$250	$235	$205	$180	$140		Subtotal Costs
	Total cost per discipline		$6,000	$30,080	$22,960	$0	$0		$59,390.00
								Total Costs	**$90,385.00**

Individual tasks cost are approximate and some cost shifting between tasks or disciplines may be necessary

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Topic: La Vista Tank and Booster Pump Project: Advance Authorization for Upcoming Change Orders

Date: April 1, 2025

Item For: Action

Submitted By: Greg Norris, Engineering Manager
Cathy Lee, General Manager

BACKGROUND

The contract between Koch & Koch Inc. (KKI) and the District for the construction of the La Vista Storage Tank and BPS Project (La Vista Project) was approved to be re-instated at the Special Board meeting on February 18, 2025. The Board action authorized the General Manager to pay KKI a lump sum of money as well as amend the FY 24-25 Budget to include expenditure authorization to the associated CIP account (GL# 10-011106-01-03). At this time, staff did not request any additional funds above the authorized total lump sum to cover potential change orders.

SUMMARY/DISCUSSION

Since the approval of the re-instatement agreement between the District and KKI, work has been progressing towards completion. With work underway, the need for several change orders have been identified with several more being anticipated.

FISCAL IMPACT

There is currently enough funding from the CIP account that received authorization through the approved budget adjustment for GL#10-011106-01-03. If total Change Order costs exceed $75,000, the General Manager would make a similar request to the Board in the future for approval of additional funds for Change Orders.

RECOMMENDATION

Staff recommends that the Board of Directors authorize the General Manager to approve Change Orders that may be needed during the agreed upon work period of February 19, 2025 through May 23, 2026 for a total not–to-exceed amount of $75,000.

ATTACHMENT(S)

None

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Topic: Admin Building Security Remodel Project - Notice of Completion and Release of Retainage

Date: April 5, 2025

Item For: Action

Submitted By: Greg Norris, Engineering Manager

BACKGROUND

The Board approved a contract with Kimmel Construction at the December 12, 2023 Regular Board Meeting to construct a partition wall with door in the lobby area and build two work areas using partitions. The purpose of the project was to increase security through public access control in the lobby area at the District's Admin Building, and to add additional work areas for newly hired District staff as well.

SUMMARY/DISCUSSION

Construction of the Lobby Remodel and work areas began in January 2024 and final billing was received by the District on February 5, 2025. Sacramento County Final Inspection was completed December 11, 2024. The District recorded a Notice of Completion with the Sacramento County Recorder on February 18, 2025 for a 30-day notice. The District did not receive any comments.

FISCAL IMPACT

The original approved contract amount was $50,446.00 with a set limitation of $10,000 for Change Orders. The final cost of the construction is $55,887 including Change Orders 1-2.

The District has already recorded these expenses inclusive of the retention amount in the CIP budget. The retention payment is currently in a liability account and therefore it has no effect on the budget.

RECOMMENDATION

Staff recommends that the Board of Directors:

1. Accept the Lobby Remodel/Employee Work Area Project as complete; and
2. Accept the filed Notice of Complete for the Project and release $5,588.70 in retainage to the Contractor.

ATTACHMENT(S)

1. County Recorded Notice of Completion.

ATTACHMENT 1

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL TO:

Name: Carmichael Water District

Street Address: 7837 Fair Oaks Blvd.

City & State: Carmichael, CA 95608

Sacramento County
Donna Allred, Clerk/Recorder

Doc # 202502180250

2/18/2025 10:42:25 AM

JBH
Titles 1
Pages 1

Fees	**$20.00**
Taxes	**$0.00**
PCOR	**$0.00**
Paid	**$20.00**

SPACE ABOVE THIS LINE FOR RECORDER'S USE ONLY

NOTICE OF COMPLETION

Notice is hereby given that:

1. The undersigned is owner or corporate officer of the owner of the interest or estate stated below in the property hereinafter described:
2. The full name of the owner is Carmichael Water District
3. The full address of the owner is 7837 Fair Oaks Blvd. Carmichael, CA 95608
4. The nature of the interest or estate of the owner is in fee.
   (If other than fee, strike "in Fee" and insert, for example, "purchaser under contract of purchase," or "lessee")
5. The full names and full addresses of all persons, if any, who hold title with the undersigned as joint tenants or as tenants in common are:

NAMES	ADDRESSES

6. A work of improvement on the property hereinafter described was completed on 02/07/2025. The work done was: A new access door and partition wall were installed in the District Building's lobby.
7. The name of the contractor, if any, for such work of improvement was Kimmel Construction
   (If no contractor for work of improvement as a whole, insert "none") (Date of Contract)
8. The property on which said work of improvement was completed is in the city of Carmichael, County of Sacramento, State of California, and is described as follows: District Building Lobby Area
9. The street address of said property is 7837 Fair Oaks Blvd. Carmichael, CA 95608
   (If no street address has been officially assigned, insert "none")

Dated: 02/07/2025

Carmichael Water District

Cathy Lee
Signature of owner of corporate officer of owner named in paragraph 2 or his agent

Cathy Lee General Manager

VERIFICATION

I, the undersigned, say: I am the General Manager the declarant of the foregoing
("President of," "Manager of," "A partner of," "Owner of," etc.)
notice of completion; I have read said notice of completion and know the contents thereof; the same is true of my own knowledge.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on February 10, 20 25, at Carmichael, California.
(Date of signature) (City where signed)

Cathy Lee
(Personal signature of the individual who is swearing that the contents of the notice of completion are true)

Cathy Lee

Topic: Budget Adjustment for Raw Water Pump VFD Replacement
Date: April 7, 2025
Item For: Action

Submitted By: David Biagi, Production Superintendent
Debbie Martin, CPA (Inactive), Finance Manager/Treasurer

BACKGROUND

The Bajamont Water Treatment Plant (BWTP) is equipped with four U.S. Motors 300-hp raw water pumps with variable frequency drives (VFDs). Two of these drives have been replaced with new Altivar drives and two are the original Toshiba VFDs. VFDS controls the speed of an electric motor by varying the frequency and voltage of the power supplied to it, essentially allowing for precise motor speed control by adjusting the electrical input based on the required application needs. In this case, it is supplying raw water to the main filtration gallery at 40 psi. The VFD can also control the ramp-up and ramp-down of the motor during start or stop, respectively. The four RW pumps work in a lead, lag1, lag2, and standby configuration to maintain the demand for raw water and redundancy to ensure reliable pressure. The raw water systems are critical for the operation of the primary filters. One of the original VFDs recently began to experience intermittent drive faults during ramp-up and ramp-down conditions. Production staff brought in technicians from Telstar Instruments to diagnose the issues, and they raised concerns that the aging drives were nearing the end of their life and could cause damage to the motors. Replacement was recommended for both drives, but the drive experiencing fault conditions needed immediate attention.

SUMMARY/DISCUSSION

In March, the Board approved a budget transfer for $48,000 from the Bajamont Water Treatment Plant Building Rehab capital improvement project to the Water Treatment Plant Systems Maintenance line item within the Operations and Maintenance Production Department Water Treatment Operations in the approved FY 24-25 Budget. The Board also authorized the General Manager to execute a contract with ACE Electric Motor to replace one variable frequency drive on Raw Water Pump #111 with a new Nidec model. The Board commented that the Staff should move forward with replacing both drives in this fiscal year, given the importance of the Raw Water System. Ace Electric Motor was contacted to quote the drive and installation for Raw Water Pump #112, and Ace agreed to the previously quoted price of $42,150.00.

FISCAL IMPACT

The estimated replacement cost is $48,000.00. Staff requests that funds from the Capital Improvement Project (CIP) budget for the BWTP Building Rehab be transferred to the Operations and Maintenance Budget for the Production Department in the Water Treatment Operations Division under WTP Systems Maintenance, leaving no effect upon the total budgetary appropriations. Staff completed a portion of the proposed building upgrades, and the remainder can be deferred without negative impact.

RECOMMENDATION

Staff recommends that the Board of Directors:

1) approve a budget transfer in the amount of $48,000 from the Bajamont Water Treatment Plant Building Rehab capital improvement project to Water Treatment Plant Systems Maintenance line item within the Operations and Maintenance Production Department Water Treatment Operations in the approved FY 24-25 Budget, and
2) if Item 1 is approved, authorize the General Manager to execute a contract with ACE Electric Motor to replace one variable frequency drive on Raw Water Pump, 112, with a new Nidec model.

ATTACHMENT(S)

1. Ace Electric Motor Proposal

Proposal for Carmichael Water District Toshiba Drive Replacement

Proposal No.FRQ2443

(Revision No. R1)

February 19, 2025

Presented By:

Mr. Kevin Elledge
Senior Automation Engineer
ACE AUTOMATION & CONTROLS
Ace Electric Motor and Pump
Phone: (209) 464-6428
Kevin@AceElectricMotor.com

Presented To:

David Biagi
Production Superintendent
Carmichael Water District
3501 Bajamont way
Carmichael, CA. 95608

O: 916-679-0457
C: 916=869-1057
DavidB@Carmichaelwd.org

Objective: **Provide a Replacement for a 25-year-old Toshiba VFD**

David
Thank you for the opportunity to offer a quote on the aforementioned project.
Ace Electric is pleased to offer a quotation for the **Carmichael Water District Toshiba Drive Replacement project.**

The scope of this project shall include:
Provide, Engineering Services, Drawings, and installation of a 350hp Nidec VFD to replace the 25-year-old **Toshiba Drive.**

- Engineering and Drawings From Nidec on new replacement drive

Best Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive.

Install Bew Nidec Drive in existing enclosure.

Make all necessary electric terminations to existing control system.

Terminate new drive to existing 350 HP motor.

Laser Align Existing Motor.

Conduct Vibration test of existing motor.

Install Auto lubricator on Motor bearing.

Conduct infrared scan to check for high resistance connections.

Repeat testing in 6 months.

Warranty workmanship for one year.

This solution includes one seat in one of our training classes

Better Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive.

Install Bew Nidec Drive in existing enclosure.

Make all necessary electric terminations to existing control system.

Terminate new drive to existing 300 HP motor.

Base Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive.

-

Kevin Elledge
Senior Automation Engineer
ACE AUTOMATION & CONTROLS.
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Stockton, CA 95203
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Kevin@AceElectricMotor.com

www.AceElectricMotor.com

1. INTRODUCTION

ACE AUTOMATION & CONTROLS Inc is a full-service Engineering and Custom Systems Integration / Automation Company, specializing in the Process Evaluation, Process improvement and design, PLC Programming and troubleshooting, HMI Programming, Scada systems, Controls upgrades and implementation.

ACE AUTOMATION & CONTROLS maintains a standard for precision, quality, professionalism, and efficiency.

ACE AUTOMATION & CONTROLS

. All designs are generated within the ***TurboCad*** platform or ***AutoCAD 2022*** as the platform for facility layouts.

ACE AUTOMATION & CONTROLS maintains a professional staff of highly educated engineers that pride themselves on innovation and the most current technologies.

1.1 Price Proposal

ACE AUTOMATION & CONTROLS to provide a Proposal for:

· Carmichael Water District Toshiba Drive Replacement

.3. Project Investment
Best Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive.

Install Bew Nidec Drive in existing enclosure.

Make all necessary electric terminations to existing control system.

Terminate new drive to existing 350 HP motor.

Laser Align Existing Motor.

Conduct Vibration test of existing motor.

Install Auto lubricator on Motor bearing.

Conduct infrared scan to check for high resistance connections.

Repeat testing in 6 months.

Warranty workmanship for one year. ..... **$ 42,150.00 each**

Better Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive.

Install Bew Nidec Drive in existing enclosure.

Make all necessary electric terminations to existing control system.

Terminate new drive to existing 350 HP motor. ..... **$ 36,6650.00 each**

Base Solution includes:

Supply a New 350 HP Nidec Drive to replace Toshiba Drive...... **$ 32,250.00 each**

4.1 Efficiency / Sizing *If Applicable:*

ACE AUTOMATION & CONTROLS

Will match or exceed specification of Toshiba Drive.

5. PAYMENTS, TERMS AND CONDITIONS, EFFICIENCY.

4.1 Payments Based on Domestic Purchases

Fifty percent (50%) down payment with purchase order, forty-five percent (45%) prior to shipment and upon a successful FAT and five percent (5%) final acceptance net thirty (30) days, from the date of shipment, not to be delayed due to late arrival of competitor's upstream equipment.

6. SHIPPING If Applicable:

FOB Stockton, CA, Freight Collect, or prepay and add with a mandatory requirement that all capital equipment be shipped air-ride curtain-side, or roll-tite trailer to its domestic location. **ACE AUTOMATION & CONTROLS** shipping policy does not allow "unless specified otherwise."

7. COMPLETION DATE

The completion date is based on (4-6) weeks from the receipt of the purchase order, down payment, and layout approval and Product Samples.

8. TESTING If Applicable:

• Testing at ***ACE AUTOMATION & CONTROLS*** will focus on system functionality.

• All equipment will be operational at ***ACE AUTOMATION & CONTROLS*** facility. Test criteria are as follows:

• Cycle system at a 50% rate for 30 minutes while checking motor cooling and Inverter Performance

• Agreement on system performance and customer sign-off is necessary before equipment is shipped from ***ACE AUTOMATION & CONTROLS*** facility to the customer's facility.

9. SAFETY If Applicable:

ACE AUTOMATION & CONTROLS If Applicable: standard barrier guarding will be provided as needed. All pinch points will Shall guarded and hinged where accessibility is necessary.

10. MANUALS ***If Applicable:***
Digital instruction manuals will be provided.

11. TEST MATERIALS ***If Applicable:***
Test materials shall be provided by the customer at no cost to ***ACE AUTOMATION & CONTROLS.*** All part samples are to be current manufacturer's prints. Should any product material not be available at the time of checkout and the machine is shipped, ***ACE AUTOMATION & CONTROLS*** will waive all claims to machine speed and performance on those products not evaluated.

12. SYSTEM RATES ***If Applicable:***
The drives Systems will be adjusted to:

13. AGENCY APPROVALS ***If Applicable:***
While ***ACE AUTOMATION & CONTROLS*** standard practice is to use nationally known name brand motion and electrical control components with UL listing and also assemble these components into our machinery in accordance to our interpretation of the National Electrical Code and NFPA standards, we are not responsible for the inspecting authority's approval of components or installation practices.
ULC approval and tagging of electrical control panels are part of this proposal. ULC tagging of control panels, if needed, are available at extra cost and delay and must be done prior to the control panel being installed on the machine.

14. INSTALLATION AND SERVICE RATES
The equipment will be thoroughly assessed with your product before shipment to assure you that all operations are satisfactory. On-site field service pricing is provided above.

15. PRODUCT INFORMATION
New Nidec VFD

16. SERVICES PROVIDED BY CUSTOMER
The following items are to be completed by others at the ***Customer's*** facility:
1. Connection of utilities, external machine wiring of electrical components as needed for utility installation.
2. Plumbing components and connection to compressed air supply may be needed.
3. Site preparation and materials as may be needed.
4. Building or construction permits.
5. Unloading and storing of equipment.

2025 DOMESTIC TERMS AND CONDITIONS

TERMS:

Fifty percent (50%) down payment with purchase order, forty-five percent (45%) at completion of equipment and prior to shipment and upon a successful FAT and five percent (5%) final acceptance net thirty (30) days, fromthe date of shipment, not to be delayed due to the late arrival of auxiliary equipment.

Orders placed with and accepted by ***ACE AUTOMATION & CONTROLS*** shall constitute the entire agreement between purchaser and ***ACE AUTOMATION & CONTROLS*** andnot subject to cancellation. All amounts stated within this proposal do not include sales tax. Any personal property, excise, state or other taxes which are not or which may hereafter be levied, imposed or assessed upon any of the articles sold hereunder or upon or on an account of the manufacture sales thereof, by any federal or Dominion Government or by State, territory, province, municipality or any subdivision or agency.

ACE AUTOMATION & CONTROLS shall not be liable for delays on account of fire, strikes, floods, tornadoes, accidents, acts of God, or other causes beyond our control. Purchaser agrees to assume full and complete responsibility for said equipment or equipment from the time the same leaves **ACE AUTOMATION & CONTROLS** premises (FOB: Shipping Point) and to bear all cost or expense resulting from loss or damage to said equipment, in any manner whatsoever.

ACE AUTOMATION & CONTROLS Buyer will not incur any costs associated with the equipment purchase prior to manufacturing. Cancellation of the equipment after the materials and machinery components have been bought will result in charges associated with those purchases.

ACE AUTOMATION & CONTROLS Terms and Conditions and the Machinery Proposal govern this Contract and supersede any reference to Purchaser terms.

The parties agree that any dispute concerning this agreement shall be submitted to binding arbitration, inStockton, California, conducted by a single arbitrator, in accordance with the rules and regulations of the American Arbitration Association. The awards of such arbitration shall be final and binding upon the parties and each party will bear its own fees and expenses associated with the arbitration except for the arbitrator fees which shall be shared. The Terms shall be governed by and construed according to the laws of the State of California without regard to its conflicts of laws principles. Any cause of action between Purchaser and ***ACE AUTOMATION & CONTROLS***, whether underthese Terms or otherwise, shall be brought only in a court having jurisdiction and venue in San Juaquin County for state court causes of action and in the Eastern District of California for federal court causes of action. The purchaser waives any objection based on personal jurisdiction or venue.

WARRANTY:

ACE AUTOMATION & CONTROLS does not assume responsibility for the malfunction of the equipment, when the malfunction is due to the lack of trained personnel, improper maintenance of equipment, and/or operational procedures. Equipment Malfunction will also be defined when associated with missing or improperly installed Ethernet Cable to the Remote Access Port (EWON) within the electrical cabinet of the machine (When provided by ***ACE AUTOMATION & CONTROLS*** factory).

ACE AUTOMATION & CONTROLS warrants that said equipment is of our standard quality and will satisfactorily accomplish the operation for which it is designed. ***ACE AUTOMATION & CONTROLS*** also warrants against defects in material and workmanship which may develop within
one year or 2080 production hours, whichever occurs first, from the date of shipment of said machine; during which ***ACE AUTOMATION & CONTROLS*** will replace without cost any part or parts proving defective. The foregoing parts and workmanship guarantee applies to ***ACE AUTOMATION & CONTROLS*** manufactured parts and labor only. The original manufacturer's guarantee applicable at the time of purchase of buy-out or purchased parts will apply against such parts or equipment.

ACE AUTOMATION & CONTROLS cannot accept orders requiring compliance with the Occupational Safety and Health Act of 1970 (OSHA). Compliance with OSHA is the responsibility of the purchaser. We will make every effort to design our products to meet OSHA standards. However, the varying differences in interpretation and enforcement by local inspectors make it impossible for us to guarantee compliance. ***ACE AUTOMATION & CONTROLS*** will endeavor to follow safety practices of the highest standards in furnishing machines or equipment. If revisions are needed and asked, ***ACE AUTOMATION & CONTROLS*** will make them, as far as technically possible, for the purchasers' account. ***ACE AUTOMATION & CONTROLS*** agrees to defend the purchaser on any suits which may be brought in the United States upon the charge that the said equipment, or parts thereof, manufactured by ***ACE AUTOMATION & CONTROLS*** constitute, in and of themselves, an infringement of patents and will hold the purchaser harmless from any
damages, profits, or other rewards resulting from such suits, but ***ACE AUTOMATION & CONTROLS*** liability shall be limited to and shall, in no event, exceed the purchase price, as herein above set forth, of the equipment or parts thereof, which may be directly involved in any such suit. It is understood that ***ACE AUTOMATION & CONTROLS*** does not assume, in this or any other contract, any obligation or liability in connection with patent infringement suits brought against the purchaser or user of the machinery or equipment or parts thereof, other than herein mentioned.

This warranty will be considered invalid in the event there is any unauthorized modification or alteration to ***ACE AUTOMATION & CONTROLS*** equipment.

2025 DOMESTIC AND INTERNATIONAL RATE SCHEDULE

Work Performed at ACE AUTOMATION & CONTROLS Facility.

Rate Per Hour

Electrician Helper	**$127.50**

Electrician Apprentice	**$137.50**
Electrician Journeyman	**$157.50**
Electrician Foreman	**$187.50**
Detail Mech/Elec Draftsperson	**$147.50**
Detail Mechanical Engineer	**$223.50**
Senior Electrical Engineer	**$223.50**
Advanced Robotic/PLC Programming	**$253.50**
Mechanical Assembly $147.50	
Electrical Assembly $147.50	
CNC Programming/Machining	**$212.50**
Conventional Machining	**$190.50**

Domestic Field Service Rate Schedule

Rate Per Hour

Monday - Friday - 8 Hour Day*	**$157.50**
Monday - Friday - Over 8 Hours/Saturday*	**$218.00**
Sunday and Holidays*	**$229.00**
Travel Time - Monday through Friday*	**$135.50**
Travel Time - Saturday*	**$152.00**
Travel Time - Sunday*	**$185.00**

Travel Expenses (Lodging, Car, Air Fare, Mileage @ $.545/mile, Meals @ $55/day)

Actual Cost

Advanced Robotic/PLC Programming Standard =	**$223.50/hr.**
Over 8 hrs./Sat =	**$240/hr.**
Sun/Holidays =	**$295/hr.**

International Field Service Rate Schedule

Rate Per Hour

Monday - Friday - 8 Hour Day*	**$179.50**
Monday - Friday - Over 8 Hours/Saturday*	**$240**
Sunday and Holidays*	**$251**
Travel Time - Monday through Friday*	**$157.50**
Travel Time - Saturday*	**$174**
Travel Time - Sunday*	**$207**

Travel Expenses (Lodging, Car, Air Fare, Mileage @ $.545/mile, Meals @ $55/day)

Actual Cost

Advanced Robotic/PLC Programming Standard =	**$245.50/hr.**
Over 8 hours/Sat =	**$262/hr.**
Sun/Holidays =	**$317/hr.**

Note: If holdover stays are required by the customer, they will be billed for eight hours each day according to the rate sheet.

NOTES:

- **This quotation is valid for 30 days from the date of quotation listed above.**

• Quotation / specification of equipment are based upon the receipt and favorable evaluation of sample
product. It is the responsibility of the customer to provide sample products for testing. Production of
equipment may be delayed if samples are not received promptly.

Order Sign-Off (Mark optional equipment with a √, circle or initial)

Company Name (print): _____

PO #: _____

Bill-To Address: _____

Amount: _____

Ship-To Address: _____

*** Signature: _____**

Date: _____

Print Name: _____

Signature indicates acceptance of ACE AUTOMATION & CONTROLS Conditions and initiates order processing.

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CARMICHAEL WATER DISTRICT

FISCAL YEAR 2025-2026

DRAFT BUDGET

CARMICHAEL WATER DISTRICT

7837 Fair Oaks Boulevard
Carmichael, CA 95608
(916) 483-2452
www.carmichaelwd.org

Elected Board of Directors

Ron Greenwood, President, Division 4
Mark Emmerson, Vice President, Division 2
Paul Selsky, Division 5
Ronald Davis, Division 1
Jeff Nelson, Division 3

General Manager
Cathy Lee

Finance Manager
Debbie Martin, CPA (Inactive)

Senior Accountant
Ben Strange

Fiscal Year
July 1, 2025 – June 30, 2026

CARMICHAEL WATER DISTRICT
PROPOSED DRAFT BUDGET
2025-2026

Budget Highlights

0% water rate increase developed within this budget.
ASR wells and Transmission pipeline projects continue with significant grant and VA funding.
The Claremont CIP from last fiscal year will roll to this year as the primary Distribution Pipe replacement project.
Distribution CIP includes a major project in coordination with Sacramento County to replace a section of Mainline and several service lines along Fair Oaks Boulevard. Capital Replacement Reserves are proposed for the funding source due to the immediacy of placement of the project in this budget year.
Labor costs are developed with the 3.0 % Board authorized COLA wage increase effective July 1, 2025.
Staffing increases for two positions are included: A Senior Accountant in Finance and a Distribution Operator.
Inflationary price increases in services and supplies continue with cost increases ranging from 3% - 20%.
Cost allocations to the WTP for Engineering staff, IT and insurance costs have been developed for the Production Division.

0% 2026 Water rate increase - Last was effective January 1, 2025 (9.5%)
Draft budget includes the second half of the Jan 1, 2025 rate increase for the period July to December 2025

	Proposed Budget	% of revenue
Revenue		
Water revenue	19,550,500	61.24%
Outside boundary sales	1,440,676	4.51%
Miscellaneous and other income	182,500	0.57%
Grant/VA revenue	10,300,000	32.26%
Investment income	400,000	1.25%
Facilities fees	50,000	0.16%
Total revenue	**31,923,676**	**100.00%**
Less: Expenditures		
Labor costs (3% COLA effective 7-1-25)	4,715,423	14.77%
Services and supplies	5,420,231	16.98%
Total O&M	**10,135,654**	**31.75%**
CIP Rate funded	8,043,000	25.19%
CIP Reserve funded	400,000	1.25%
CIP Grant/VA funded	10,250,000	32.11%
Total CIP	**18,693,000**	**58.56%**
Debt service (Principal and interest)	**2,491,566**	**7.80%**
Total expenditures	**(31,320,220)**	**98.11%**
Less: Reserve funding and liability pre-funding		
Capital reserve funding (Ranney, Filter Skid, Membrane)	1,350,000	4.23%
OPEB/Pension liability pre-funding	500,000	1.57%
Facilities fees (Equal to revenue collected)	50,000	0.16%
Total reserve and prefunding	**(1,900,000)**	**5.95%**
Add: Designation of use of reserve funds		
Capital replacement reserves	1,296,544	-4.06%
Total designated use of reserve funds	**1,296,544**	**-4.06%**
Budget surplus/(deficit)	**0**	**0.00%**

CARMICHAEL WATER DISTRICT
BUDGET SUMMARY
PROPOSED DRAFT BUDGET 2025-2026

Includes NO water rate increases

	2024-2025 Final Amended Budget	2024-2025 YTD actuals thru 2-28-25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	$ Budget Increase/ (Decrease)
REVENUE					
District revenue					
Water sales	$ 17,820,000	$ 12,487,634	$ 19,480,000	$ 1,660,000	9.32%
Water service fees and charges	80,000	37,197	70,500	(9,500)	-11.88%
Other service fees	134,000	104,329	149,000	15,000	11.19%
Grant revenue	7,750,000	253,069	10,300,000	2,550,000	32.90%
Interest income	400,000	274,940	400,000	-	0.00%
Miscellaneous	76,450	49,869	33,500	(42,950)	-56.18%
Total District revenue	**26,260,450**	**13,207,038**	**30,433,000**	**4,172,550**	**15.89%**
Outside boundary sales					
GSWC Treatment and delivery	1,452,000	682,490	1,440,676	(11,324)	-0.78%
Total Outside boundary sales	**1,452,000**	**682,490**	**1,440,676**	**(11,324)**	**-0.78%**
Facility fees	**50,000**	**-**	**50,000**	**-**	**0.00%**
Total Revenue	**27,762,450**	**13,889,528**	**31,923,676**	**4,161,226**	**14.99%**
EXPENDITURES					
O & M					
Administration (Plus (1) Senior Accountant)	3,959,749	2,048,157	4,367,170	407,421	10.29%
Production	3,492,694	2,107,955	3,801,696	309,002	8.85%
Distribution (Plus (1) Distribution Operator)	2,142,178	937,757	1,966,788	(175,390)	-8.19%
Total O&M	**9,594,621**	**5,093,869**	**10,135,654**	**541,033**	**5.64%**
Capital					
Capital funded by rates/grants					
Administration	110,000	38,701	50,000	(60,000)	-54.55%
Production - Wells	9,521,700	2,900,569	12,375,000	2,853,300	29.97%
Production - WTP	712,500	283,992	580,000	(132,500)	-18.60%
Distribution	3,220,000	537,216	5,288,000	2,068,000	64.22%
Total Capital funded by rates	**13,564,200**	**3,760,478**	**18,293,000**	**4,728,800**	**34.86%**
Capital funded by reserves					
Membrane replacement expense	200,000	177,405	200,000	-	0.00%
Sacramento County impact projects	200,000	6,420	200,000	-	0.00%
Total Capital funded by reserves	**400,000**	**183,825**	**400,000**	**-**	**0.00%**
Debt service, Other sources/uses of funds					
2019 COP Series B Principal	1,545,000	1,545,000	1,580,000	35,000	2.27%
2019 COP'S Series A/B Interest	947,131	631,420	911,566	(35,565)	-3.76%
PERS Unfunded actuarial liability	300,000	-	300,000	-	0.00%
OPEB Liability funding	200,000	-	200,000	-	0.00%
Total debt service, other sources/uses of funds	**2,992,131**	**2,176,420**	**2,991,566**	**(565)**	**-0.02%**
Capital reserve funding/(uses)					
Filter Skid Replacement - Accumulates in reserves	650,000	-	650,000	-	0.00%
Membranes - Unused accumulates in reserves	200,000		200,000	-	0.00%
Capital replacement reserve - Use of reserves	(188,502)	-	(1,296,544)	(1,108,042)	587.81%
Facility fees	50,000	-	50,000	-	0.00%
Ranney Collector reserve - Accumulates in reserves	500,000	-	500,000	-	0.00%
	1,211,498	**-**	**103,456**	**(1,108,042)**	**-91.46%**
Total reserve funding/(uses)					
Total expenditures, debt service, reserves sources/(uses)	**27,762,450**	**11,214,592**	**31,923,676**	**4,161,226**	**14.99%**
Budget surplus/(deficit)	**$ -**	**$ 2,674,936**	**$ 0**	**$ 0**	**0.00%**
Bond funded CIP	**$ 4,000,000**		**$ 2,500,000**	**$ (1,500,000)**	**-37.50%**

CARMICHAEL WATER DISTRICT
RESERVE SUMMARY - DRAFT
FY 2025-26

Per District Policy #9610 - Reserve Policy, a portion of the District's net position/available resources should be held in reserve for specified purposes. Establishment of reserve accounts minimizes adverse annual impacts from anticipated and unanticipated expenses, mitigates and minimizes risks and provides a mechanism to help ensure funding for long term capital improvement needs. The chart below demonstrates compliance with policy and annual planning of reserve funding and uses. It can also be utilized as a factor in determining the long-term financial stability of the District.

Reserve Category	Amended Budget Projected Year End Balance FY 2024-25	DRAFT FY 2025-26 Funding of reserves	DRAFT FY 2025-26 (Use of reserves)	DRAFT Interest income	DRAFT Projected Year End Balance FY 2025-26	
Minimum unrestricted reserves:						
Operating reserve	$ 6,043,376	$ 270,234	$ -	$ -	$ 6,313,610	1
Board designated reserves						
Capital replacement	13,871,213	4,728,800	(2,500,000)	277,424	16,377,437	2
Use of capital reserves	(188,502)	-	188,502		(1,298,544)	3
Membrane replacement	307,497	200,000	-	6,150	513,647	4
Filter skid replacement	2,654,914	650,000	-	53,098	3,358,012	5
Ranney Collector Rehab/Replace	500,000	500,000		10,000	1,010,000	6
Facility fees	238,163	50,000	-	167	288,330	7
Sacramento County impact projects	-	200,000	(200,000)	-	-	8
Rate stabilization	500,000	-	-	-	500,000	9
Total Reserves per policy	$ 23,926,661	$ 6,599,034	$ (2,511,498)	$ 346,839	$ 27,062,492	
Unrestricted reserves:	4,628,086	(6,599,034)	2,511,498	(346,839)	193,711	10
Total projected reserves	$ 28,554,747	$ -	$ -	$ 0	$ 27,256,203	
Legally restricted reserves						
Unspent bond proceeds 2019 COP Series A	3,501,580	(3,501,580)	-	-	-	
State grant funds received in advance	2,500,000	-	(2,500,000)	-	-	11
	6,001,580	(3,501,580)	(2,500,000)	-	-	
Other legally restricted reserves held in trust:						
OPEB Reserve (CalPERS as trustee)	3,684,153	200,000	-	150,000	4,034,153	12

1 - Directors' policy #9610.312: Established at 50% of budgeted O&M, including debt service. Represents an amount set aside for working capital as well as funds for continued operation in the event of unplanned operating and maintenance expenses.
2 - Directors' policy #9610.321 c: Established at the annual capital replacement program costs, as scheduled. Includes accumulated interest earnings to date of $307,013
3 - Board approved usage of Designated Capital Reserves upon adoption of budgets.
4 - Directors' policy 9610.321 a: Balance accumulates and is funded annually at $200,000 per year to be used for purchase of new membrane filters. Unexpended membrane funding will accumulate in the reserve funds. Interest will accumulate on reserve balance.
5 - Directors' policy #9610.321 b: Established to meet the needs of future replacement of the entire filtration process. Balance accumulates and is to be funded annually at the rate of $650,000 per year. Interest will accumulate on reserve balance. Funding will occur annually until 2035.
6 - Directors' policy #9610.321 b: Established to meet the needs of future replacement of the Ranney Collector Reserve. Balance accumulates and is to be funded annually at the rate of $500,000 per year. Interest will accumulate on reserve balance.
7 - Directors' #9610.321 d: This balance accumulates and is funded by the collection of capital facility fees from new development.
8 -Directors' policy #9610.321 e: Established to provide funds for Sacramento County accelerated District requirements. Annual transfers are determined based on near-term and long-term County projects. Funds do not accumulate.
9 - Directors' policy #3610.331 a: Established and maintained at $500,000 to provide funds for debt service coverage requirement.
10 - Unrestricted reserves: Unspent CIP and/or O&M expenditures from prior years available for repurposing to future CIP projects and/or for coverage of expenses in advance of grant funding.
11 - State funds received in advance for Ladera Well
12 - Board policy #3610.332: Annual funding until the OPEB (Retiree benefits) liability is fully funded, currently targeted at $5,089,804 as of of 6-30-22 per actuarial valuation. The trust is subject to market changes in value from the underlying investments in the trust pool.

CARMICHAEL WATER DISTRICT
FY 2025-2026 Draft Capital Budget
Summary of Capital Assets by Funding Source

	2024-25 Final Amended budget	2024-25 YTD Actuals 2/28/25	2025-26 Proposed budget	$ Budget increase (decrease)	% Budget increase (decrease)
Funded by Rates					
Budget year capital projects	$ 960,000	$ 435,761	$ 888,000	$ (72,000)	-7.50%
Multi-Year capital projects	4,904,200	579,669	7,155,000	2,250,800	45.90%
Total Rate funded capital projects	**5,864,200**	**1,015,430**	**8,043,000**	**2,178,800**	**37.15%**
Funded by Grants					
Multi-Year capital projects	7,700,000	2,745,048	10,250,000	2,550,000	33.12%
Total Grant funded capital projects	**7,700,000**	**2,745,048**	**10,250,000**	**2,550,000**	**33.12%**
Capital reserve funding					
Budget year funding	400,000	183,825	400,000	-	0.00%
Capital reserve long-term funding	1,150,000	-	1,150,000	-	0.00%
Total Capital reserve funding	**1,550,000**	**183,825**	**1,550,000**	**-**	**0.00%**
Grand total capital budget	**$ 15,114,200**	**$ 3,944,303**	**$ 19,843,000**	**4,728,800**	**31.29%**
Funded by 2019 Certificates of Participation bonds (COP)					
Multi-Year capital project	**$ 4,000,000**	**$ 1,536,753**	**$ 2,500,000**	**(1,500,000)**	**-37.50%**
Total 2019 (COP) Funded projects	**$ 4,000,000**	**$ 1,536,753**	**$ 2,500,000**	**$ (1,500,000)**	**-37.50%**

CARMICHAEL WATER DISTRICT
FY 2025-2026 Draft Capital Budget
Budget Year Capital Project Detail

	2024-25 Final Amended budget	2024-25 YTD Actuals 2/28/25	2025-26 Proposed budget	$ Budget increase (decrease)	% Budget increase (decrease)
Budget Year Capital Projects Funded by Rates					
Administration					
None	$ -	-	$ -	-	0.00%
Total Administration capital projects	**-**	**-**	**-**	**$ -**	**0.00%**
Production					
Service truck replacements	90,000	-		(90,000)	-100.00%
Total Production capital projects	**90,000**	**-**	**-**	**(90,000)**	**-100.00%**
Distribution					
Service truck replacements	180,000	-	180,000	-	0.00%
Other Distribution equipment (2025-26 Vac Trailer)	90,000	-	90,000	-	0.00%
Infrastructure replacements (Fire hydrants, service lines, ML Valves)	600,000	435,761	618,000	18,000	3.00%
Total Distribution capital projects	**870,000**	**435,761**	**888,000**	**18,000**	**2.07%**
Total budget year rate funded capital projects	**$ 960,000**	**$ 435,761**	**$ 888,000**	**$ (72,000)**	**-7.50%**
Capital reserve funding					
Membrane replacement	$ 200,000	177,405	$ 200,000	-	0.00%
Sacramento County impact projects - annual allocation	200,000	6,420	200,000	-	0.00%
Filter skid replacement - Long term reserve funding	650,000	-	650,000	-	0.00%
Ranney collector replacement - Long term reserve funding	500,000	-	500,000	-	0.00%
Total Capital reserve funding	**$ 1,550,000**	**$ 183,825**	**$ 1,550,000**	**$ -**	**0.00%**

CARMICHAEL WATER DISTRICT
FY 2025-2026 Draft Capital Budget
Multi-year Capital Improvement Project Detail

		2024-25 Final Amended budget	2024-25 YTD Actuals 2-28-25	2025-26 Proposed budget	$ Budget increase (decrease)	% Budget increase (decrease)
Funded by Rates						
Administration						
10-011113-01	District wide security imp's: Lobby door/ADA	$ 60,000	$ 38,701	$ -	$ (60,000)	-100.00%
TBD	HVAC/EVAC Replacements (2 Units/ea)	50,000	-	-	(50,000)	-100.00%
TBD	LED Lighting replacement project	-		50,000	50,000	50000.00%
	Total Administration	**110,000**	**38,701**	**50,000**	**(60,000)**	-54.55%
Production						
	WTP Facility					
10-011105-31	SCADA Upgrade	250,000	51,365	250,000	-	0.00%
10-011105-24	WTP TREATED Water Drives (4 Treated water)	-	-	80,000	80,000	80000.00%
TBD	Collector 2 Rehab	-	-	100,000	100,000	100000.00%
10-011105-30	WTP Building rehab: Lab rehab, gutters	125,000	-	150,000	25,000	20.00%
10-011105-30	WTP Air regulator	14,500	-	-	(14,500)	-100.00%
10-011105-35	WTP Roof replacement	233,000	232,627	-	(233,000)	-100.00%
	Wells					
TBD	ASR Study: Water right petition	-	-	250,000	250,000	250000.00%
10-011105-34	Dewey Well Demolition	250,000	9,075	-	(250,000)	-100.00%
10-011105-32	Barret Road Well Demolition	250,000	46,395	-	(250,000)	-100.00%
TBD	Dewey Tank/booster pump station rehab (Pump and motc	-	-	150,000	150,000	150000.00%
TBD	Dewey Tank Fence replacement	-	-	75,000	75,000	75000.00%
TBD	Well equipment replacements	21,700	-	-	(21,700)	-100.00%
10-011106-20	Garfield Generator	1,400,000	112,595	1,400,000	-	0.00%
TBD	Garfield ASR Well #4	-	-	500,000	500,000	500000.00%
	Total Production	**2,544,200**	**452,057**	**2,955,000**	**410,800**	**16.15%**
Distribution						
	Mainline Projects					
TBD	WTP Transmission lines (west) - WTP to Marshal Phase 1	-		250,000	250,000	250000.00%
10-011105-33	Claremont/Jeffrey/Coda	2,250,000	88,911	2,250,000	-	0.00%
TBD	Sac County Project: Fair Oaks Blvd MLRP	-	-	1,200,000	1,200,000	1200000.00%
TBD	Garfield / Angelina	-		250,000	250,000	250000.00%
TBD	Lincoln/FOB/Caminata	-		200,000	200,000	200000.00%
	Total Distribution	**2,250,000**	**88,911**	**4,150,000**	**1,900,000**	**84.44%**
	Total Rate funded multi-year projects	**$ 4,904,200**	**$ 579,669**	**$ 7,155,000**	**$ 2,250,800**	**45.90%**
Funded by Grants						
Production						
10-011105-25/26	La Sierra Well	$ 3,600,000	$ 1,512,551	$ 4,000,000	$ 400,000	11.11%
10-011105-19	Ladera ASR Well # 2	2,000,000	1,048,533	3,000,000	1,000,000	50.00%
10-011105-28	Winding Way Well replacement	2,000,000	171,420	3,000,000	1,000,000	50.00%
	Total Production	**7,600,000**	**2,732,504**	**10,000,000**	**2,400,000**	**31.58%**
Distribution						
10-011106-04	Garfield/Engle Transmission - Phase 6	100,000	12,544	250,000	150,000	150.00%
	Total Distribution	**100,000**	**12,544**	**250,000**	**150,000**	**150.00%**
	Total Grant funded projects	**$ 7,700,000**	**$ 2,745,048**	**$ 10,250,000**	**$ 2,550,000**	**33.12%**
Funded by 2019 Certificates of Participation bonds (COP)						
Production						
10-011106-01-03	La Vista tank and pump station	$ 4,000,000	$ 1,536,753	$ 2,500,000	(1,500,000)	-37.50%
	Total funded by 2019 COP bonds	**$ 4,000,000**	**$ 1,536,753**	**$ 2,500,000**	**$ (1,500,000)**	**-37.50%**

CARMICHAEL WATER DISTRICT

CIP 10 YEAR PROJECTION 2025-26 DRAFT

Rate funded capital projects	Final amended budget 2024-2025	Proposed budget 2025-2026	Projection 2026-2027	Projection 2027-2028	Projection 2028-2029	Projection 2029-2030
ADMIN						
Vehicle, Office equipment replacement	-	-		-		-
District wide security improvements - Lobby access door/ADA required improvements	60,000	-	-	-	-	-
LED Lighting replacement		50,000				
Master plan update				250,000		
HVAC Replacements at Admin (3 units:7.5 ton, 4.0 ton, 2.5 ton) Heat pump SMUD rebates, est'd $20,000)/ SWAMP COOLER	50,000					60,000
Financial system/Customer service software replacement/Asset management software			200,000	400,000	400,000	
ADMIN TOTALS	**110,000**	**50,000**	**200,000**	**650,000**	**400,000**	**60,000**
DISTRIBUTION						
Service truck replacements (FY 2024-25 Veh #13:2001 Dodge 3500 and #33:2016 Ford F550)	180,000	180,000	90,000		90,000	
Other Distribution equipment (2025-26 Vac Trailer)	90,000	90,000	90,000	90,000	90,000	90,000
Distribution infrastructure replacements (Service lines, Fire hydrants, Mainline valves, Meters)	600,000	618,000	636,540	655,636	675,305	695,564
Sacramento County Project: Fair Oaks Boulevard MLRP		1,200,000				
WTP Transmission lines (west) - WTP to Marshal Phase 1 (1940's to 1950's Pipe replacement)		250,000	1,500,000			
WTP Transmission lines (west) - Marshall to California Phase 2 " "				250,000	1,800,000	
WTP Transmission lines (west) - Stanley to Duncan Phase 3 " "				250,000	950,000	
WTP Transmission lines (west) - Stanley to Sutter Phase 4 " "						300,000
WTP Transmission lines (west) - California FO to Stanley Phase 5 " "						
WTP Transmission lines (west) - California FO to Stanley Phase 6 " "						
WTP Transmission lines (west) - California FO to Stanley Phase 7 " "						
Homewood/Halsted/Calumet/DeJohn/Vonda/Home (~4300<10")					300,000	3,000,000
Continental/Claire Dr/San Juan/Intertie FOWD @ Continental (~3000<10")						
Claremont/Jeffrey/Coda (~4300<10")	2,250,000	2,250,000				
Garfield/Angelina (1900lnft)		250,000	2,000,000			
Kenneth from FOB East to CA			250,000	2,000,000		
Caminata (Lincoln/FOB/Caminata)		200,000				
Van Alstine						
Glancy/ Fairchild						
DISTRIBUTION TOTALS	**3,120,000**	**5,038,000**	**4,566,540**	**3,245,636**	**3,905,305**	**4,085,564**
PRODUCTION						
Vehicle replacement (Veh #38, 2018 F150)	90,000		90,000			
Equipment: Compressor replacement			50,000			
WTP:						
SCADA Improvement w/PLC, instrumentation upgrades and new server	250,000	250,000	800,000	650,000		
WTP RAW Water Drives (4) (4 to 8 Yr rotation)						75,000
WTP TREATED Water Drives (4)		80,000				80,000
Chemical Tanks Replacement				50,000		
Collector 2 Rehabilitation New project: (2026-29)		100,000	300,000	300,000	1,000,000	4,000,000
Collector 1 Rehab						
Electrical Switchgear and Generator Replacement				150,000	3,000,000	
WTP Building rehab (Exterior and interior): Lab rehab, then exterior gutters, etc.	125,000	150,000				
WTP Compressors: Air regulator (Purchase and install)	14,500					
6 Block skid replacement Tertiary			350,000			
WTP Roof replacement	233,000					
Communication tower			83,000			
WELLS:						
ASR Study Water Right Petition(all wells)	-	250,000	250,000			
Garfield Well - Generator and Surge protector	1,400,000	1,400,000				
Willow Park Well pump replacement and electrical rehab						360,000
Well equipment replacements (Barret School well Magmeter, Pressure reducing station security hatch)	21,700					
Dewey tank and booster pump station rehab (pump and motor)		150,000				
Dewey Tank Fence replacement		75,000				
Dewey Tank Paint				1,000,000		
Garfield Well Replacement- ASR Well #4 (>80 Years old)		500,000	2,000,000	2,000,000		
La Vista Well Replacement -ASR Well #5						
Dewey Well Demolition	250,000					
Barrett Road Well Demolition	250,000					
Filter Skid Replacement (Reserve Funds)						
PRODUCTION TOTALS	2,634,200	2,955,000	3,923,000	4,150,000	4,000,000	4,515,000
RATE FUNDED FUNDED PROJECTS TOTAL	***5,864,200***	***8,043,000***	***8,689,540***	***8,045,636***	***8,305,305***	***8,660,564***
PRODUCTION GRANT FUNDED PROJECTS						
La Sierra Well- ASR Well #1 (Engle/Garfield) ($2.0M USBR - FEDERAL, $4.0 DWR)	3,600,000	4,000,000				
Ladera Well Replacement- ASR Well #2 (Fed grant $2.5M + Artesian VA $)	2,000,000	3,000,000	3,000,000			
Winding Way Well Replacement- ASR Well #3 (DWR grant $2.5M + Artesian VA $)	2,000,000	3,000,000	3,000,000			
PRODUCTION GRANT FUNDED PROJECTS TOTAL	7,600,000	10,000,000	6,000,000	-	-	-
DISTRIBUTION GRANT FUNDED PROJECTS						
Garfield/Engle Tran Pipeline - Fed Approp @ $970K	100,000	250,000	1,300,000			
DISTRIBUTION GRANT FUNDED PROJECTS TOTAL	100,000	250,000	1,300,000	-	-	-
GRAND TOTAL CIP	**13,564,200**	**18,293,000**	**15,989,540**	**8,045,636**	**8,305,305**	**8,660,564**

CARMICHAEL WATER DISTRICT
CIP 10 YEAR PROJECTION 2025-26 DRAFT

Rate funded capital projects	Projection 2030-2031	Projection 2031-2032	Projection 2032-2033	Projection 2033-2034	Projection 2034-2035	Projection 2035-36	Grand total FYE 2026-2033
ADMIN							
Vehicle, Office equipment replacement		-	-	40,000			40,000
District wide security improvements - Lobby access door/ADA required improvements	-	-	-				-
LED Lighting replacement							50,000
Master plan update							250,000
HVAC Replacements at Admin (3 units:7.5 ton, 4.0 ton, 2.5 ton) Heat pump SMUD rebates, est'd $20,000)/ SWAMP COOLER							60,000
Financial system/Customer service software replacement/Asset management software							1,000,000
ADMIN TOTALS	**-**	**-**	**-**	**40,000**	**-**	**-**	**1,400,000**
DISTRIBUTION							
Service truck replacements (FY 2024-25 Veh #13:2001 Dodge 3500 and #33:2016 Ford F550)	90,000		90,000		90,000		630,000
Other Distribution equipment (2025-26 Vac Trailer)	90,000	90,000	90,000	90,000			810,000
Distribution infrastructure replacements (Service lines, Fire hydrants, Mainline valves, Meters)	716,431	737,924	760,062	782,864	806,350	830,540	7,915,218
Sacramento County Project: Fair Oaks Boulevard MLRP							1,200,000
WTP Transmission lines (west) - WTP to Marshal Phase 1 (1940's to 1950's Pipe replacement)							1,750,000
WTP Transmission lines (west) - Marshall to California Phase 2 " "							2,050,000
WTP Transmission lines (west) - Stanley to Duncan Phase 3 " "							1,200,000
WTP Transmission lines (west) - Stanley to Sutter Phase 4 " "	3,400,000						3,700,000
WTP Transmission lines (west) - California FO to Stanley Phase 5 " "	300,000	3,000,000					3,300,000
WTP Transmission lines (west) - California FO to Stanley Phase 6 " "		300,000	3,000,000				3,300,000
WTP Transmission lines (west) - California FO to Stanley Phase 7 " "			300,000	3,000,000			3,300,000
Homewood/Halsted/Calumet/DeJohn/Vonda/Home (~4300<10")							3,300,000
Continental/Claire Dr/San Juan/Intertie FOWD @ Continental (~3000<10")							-
Claremont/Jeffrey/Coda (~4300<10")							2,250,000
Garfield/Angelina (1900lnft)							2,250,000
Kenneth from FOB East to CA							2,250,000
Caminata (Lincoln/FOB/Caminata)							200,000
Van Alstine				300,000	3,000,000		3,300,000
Glancy/ Fairchild					300,000	3,000,000	3,300,000
DISTRIBUTION TOTALS	**4,596,431**	**4,127,924**	**4,240,062**	**4,172,864**	**4,196,350**	**3,830,540**	**46,005,218**
PRODUCTION							
Vehicle replacement (Veh #38, 2018 F150)	90,000						180,000
Equipment: Compressor replacement							50,000
WTP:							-
SCADA Improvement w/PLC, instrumentation upgrades and new server							1,700,000
WTP RAW Water Drives (4) (4 to 8 Yr rotation)		75,000		75,000		75,000	300,000
WTP TREATED Water Drives (4)	80,000	80,000					320,000
Chemical Tanks Replacement							50,000
Collector 2 Rehabilitation New project: (2026-29)	2,000,000						7,700,000
Collector 1 Rehab		4,000,000	3,000,000				7,000,000
Electrical Switchgear and Generator Replacement							3,150,000
WTP Building rehab (Exterior and interior): Lab rehab, then exterior gutters, etc.							150,000
WTP Compressors: Air regulator (Purchase and install)							-
6 Block skid replacement Tertiary							350,000
WTP Roof replacement							-
Communication tower							83,000
WELLS:							-
ASR Study Water Right Petition(all wells)							500,000
Garfield Well - Generator and Surge protector							1,400,000
Willow Park Well pump replacement and electrical rehab							360,000
Well equipment replacements (Barret School well Magmeter, Pressure reducing station security hatch)							-
Dewey tank and booster pump station rehab (pump and motor)							150,000
Dewey Tank Fence replacement							75,000
Dewey Tank Paint							1,000,000
Garfield Well Replacement- ASR Well #4 (>80 Years old)							4,500,000
La Vista Well Replacement -ASR Well #5				200,000	3,000,000	2,000,000	5,200,000
Dewey Well Demolition							-
Barrett Road Well Demolition							-
Filter Skid Replacement (Reserve Funds)		1,000,000	1,000,000				2,000,000
PRODUCTION TOTALS	2,170,000	5,155,000	4,000,000	275,000	3,000,000	2,075,000	36,218,000
RATE FUNDED FUNDED PROJECTS TOTAL	***6,766,431***	***9,282,924***	***8,240,062***	***4,487,864***	***7,196,350***	***5,905,540***	***83,623,218***
PRODUCTION GRANT FUNDED PROJECTS							
La Sierra Well- ASR Well #1 (Engle/Garfield) ($2.0M USBR - FEDERAL, $4.0 DWR)							4,000,000
Ladera Well Replacement- ASR Well #2 (Fed grant $2.5M + Artesian VA $)							6,000,000
Winding Way Well Replacement- ASR Well #3 (DWR grant $2.5M + Artesian VA $)							6,000,000
PRODUCTION GRANT FUNDED PROJECTS TOTAL	-	-	-	-	-	-	16,000,000
DISTRIBUTION GRANT FUNDED PROJECTS							
Garfield/Engle Tran Pipeline - Fed Approp @ $970K							1,550,000
DISTRIBUTION GRANT FUNDED PROJECTS TOTAL	-	-	-	-	-	-	1,550,000
GRAND TOTAL CIP	**6,766,431**	**9,282,924**	**8,240,062**	**4,487,864**	**7,196,350**	**5,905,540**	**101,173,218**

CARMICHAEL WATER DISTRICT

Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT

2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
REVENUE						
Water sales						
10-040100-01	Water sales	$ 7,980,000	$ 5,768,521	$ 8,680,000	$ 700,000	8.77%
10-040100-08	Monthly service charges (Water sales)	9,840,000	6,719,113	10,800,000	960,000	112.35%
	Total water sales	**17,820,000**	**12,487,634**	**19,480,000**	**1,660,000**	**9.32%**
Water service fees and charges						
10-040100-02	Fees and service charges	79,500	37,197	70,000	(9,500)	-11.95%
10-040100-03	Downsizing fees	500	-	500	-	0.00%
	Total water service fees and charges	**80,000**	**37,197**	**70,500**	**(9,500)**	**-11.88%**
Other service fees						
10-040300-05	Backflow testing program fee	50,000	38,659	60,000	10,000	20.00%
10-040100-05	Fire hydrant permits	1,000	248	1,000	-	0.00%
10-040300-01	Fire hydrant use fee	8,000	2,515	8,000	-	0.00%
10-040300-03	Plan check	50,000	43,069	50,000	-	0.00%
10-040300-07	Fire flow fees	20,000	17,896	25,000	5,000	25.00%
10-040300-08	Water sampling	1,000	-	1,000	-	0.00%
10-040300-09	Inspection fees	1,000	524	1,000	-	0.00%
10-040300-10	Meter installation charges	3,000	1,418	3,000	-	0.00%
	Total other service fees	**134,000**	**104,329**	**149,000**	**15,000**	**11.19%**
Grant revenue						
10-040400-20	Federal grant revenue	3,700,000	41,968	4,250,000	550,000	14.86%
10-040400-10	State grant revenue	4,000,000	211,101	6,000,000	2,000,000	50.00%
10-040400-30	Turf replacement grant - USBR Water smart	50,000	-	50,000	-	0.00%
	Total grant revenue	**7,750,000**	**253,069**	**10,300,000**	**2,550,000**	**32.90%**
Interest Income						
10-040500-01	LAIF Interest/Other investment income	298,193	122,356	298,193	-	0.00%
10-040500-05	Facility fees interest	607	113	607	-	0.00%
10-040500-07	Lien interest	1,200	214	1,200	-	0.00%
10-040500-10	COP 2019 Project fund interest	100,000	152,257	100,000	-	0.00%
	Total interest income	**400,000**	**274,940**	**400,000**	**-**	**0.00%**
Miscellaneous revenue						
10-040800-01	Bajamont lease revenue - GET L1	1,450	-	1,450	-	0.00%
10-040400-01	Other revenue fees	16,000	15,170	50	(15,950)	-99.69%
10-040400-02	Recycling revenue	15,000	11,539	15,000	-	0.00%
10-040400-03	Admin claim fees	100	-	-	(100)	-100.00%
10-040400-05	Miscellaneous income	2,500	1	2,500	-	0.00%
10-040400-08	Lien fees revenue	5,000	244	1,000	(4,000)	-80.00%
10-040400-13	Reimbursements/Rebates	6,000	6,312	500	(5,500)	-91.67%
10-040450-01	Aerojet water quality testing reimbursement	4,400	4,620	6,000	1,600	36.36%
10-040600-01	COTP Revenue (COTP shares were sold December 2024)	14,000	-	-	(14,000)	-100.00%
10-040700-02	Sales proceeds from sale of capital assets	12,000	11,983	7,000	(5,000)	-41.67%
	Total miscellaneous revenue	**76,450**	**49,869**	**33,500**	**(42,950)**	**-56.18%**
Outside boundary sales						
10-040100-06	Treatment and delivery for GSWC	1,452,000	682,490	1,440,676	(11,324)	-0.78%
	Total outside boundary sales	**1,452,000**	**682,490**	**1,440,676**	**(11,324)**	**-0.78%**
Facilities fees						
10-040200-01	Facilities fees	50,000	-	50,000	-	0.00%
	Total facilities fees	**50,000**	**-**	**50,000**	**-**	**0.00%**
TOTAL DISTRICT REVENUE		**27,762,450**	**13,889,528**	**31,923,676**	**4,161,226**	**14.99%**

CARMICHAEL WATER DISTRICT

Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT

2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
OPERATIONS AND MAINTENANCE EXPENSES						
ADMINISTRATION						
Board (Dept 20)						
20-102103-00	Directors fees	35,000	12,008	35,000	-	0.00%
20-101521-00	Payroll taxes	2,678	918	2,678	-	0.00%
20-103303-00	Workers' compensation	270	53	162	(108)	-40.00%
	Subtotal Fees, insurance, taxes	**37,948**	**12,979**	**37,840**	**(108)**	**-0.28%**
20-102101-00	Directors travel/meetings	27,500	8,268	27,500	-	0.00%
20-102105-00	Advertising, meeting, legal notices	500	-	500	-	0.00%
20-103503-02	Board legal	30,000	5,965	45,000	15,000	50.00%
20-102109-00	Board room/supplies	500	-	500	-	0.00%
20-103121-00	Election expense	7,000	6,183	-	(7,000)	-100.00%
	Total Board	**103,448**	**33,395**	**111,340**	**7,892**	**7.63%**
Office of the GM (Dept 21)						
21-101103-00	Wages	242,775	144,796	250,058	7,283	3.00%
21-101501-00	Benefits	83,814	68,754	91,399	7,585	9.05%
21-101521-00	Taxes	17,484	6,999	19,255	1,771	10.13%
	Subtotal Wages, benefits, taxes	**344,073**	**220,549**	**360,712**	**16,639**	**4.84%**
21-102519-05	Professional services: Studies/Contracts	130,000	20,391	130,000	-	0.00%
21-103510-00	Water rights/mgmt	50,000	20,700	50,000	-	0.00%
	Total Office of the GM	**524,073**	**261,640**	**540,712**	**16,639**	**3.17%**
Engineering						
Engineering/Technical services (Dept 22)						
22-101103-00	Wages	582,131	365,567	614,592	32,461	5.58%
22-101501-00	Benefits	132,747	66,315	157,344	24,597	18.53%
22-101521-00	Taxes	45,163	27,660	47,646	2,483	5.50%
	Subtotal Wages, benefits, taxes	**760,041**	**459,542**	**819,582**	**59,541**	**7.83%**
	Departmental allocation to Production	(154,469)	(102,976)	(159,657)	(5,188)	3.36%
22-102518-06	Equipment maintenance	500	-	1,500	1,000	200.00%
22-102518-01	Professional services (Includes Water Loss audit services for 2026)	50,000	24,246	50,000	-	0.00%
22-102518-03	Software/Licensing	27,000	9,033	38,000	11,000	40.74%
22-102518-07	Supplies/Tools	1,000	-	2,500	1,500	150.00%
	Total Engineering: Technical Services	**684,072**	**389,845**	**751,925**	**67,853**	**9.92%**
Engineering/Public Outreach - To be eliminated in 2026						
28-103701-00	Printing/Mailing/Postage - To be eliminated in 2026	15,000	215	-	(15,000)	-100.00%
	Total Engineering/Public Outreach - To be eliminated in 2026	**15,000**	**215**	**-**	**(15,000)**	**-100.00%**
Engineering/Water Efficiency (28) - Moved to Engineering in 2026						
28-101103-00	Wages	68,694	40,958	70,755	2,061	3.00%
28-101501-00	Benefits	40,218	23,278	43,462	3,244	8.07%
28-101521-00	Taxes	5,381	3,260	5,539	158	2.94%
	Subtotal Wages, benefits, taxes	**114,293**	**67,496**	**119,756**	**5,463**	**4.78%**
28-102720-00	Dues/memberships:RWA Water efficiency-Moved to Gen Admin: Dues	15,500	10,497	-	(15,500)	-100.00%
28-103145-00	Equipment Repairs/Maint - Moved to Engineering	1,000	-	-	(1,000)	-100.00%
28-103171-00	Equipment rental expense (Included in WE Outreach)	250		-	(250)	-100.00%
28-103705-07	Contract services (Water Loss Audit) - Moved to Engineering for 2026	5,000	5,000	-	(5,000)	-100.00%
Water efficiency outreach		-				
28-103701-00	Printing/Mailing/Postage - Moved to Gen Admin	5,000		-	(5,000)	-100.00%
28-103705-01	Outreach events	5,000	1,565	5,500	500	10.00%
	Water efficiency outreach expenses	**10,000**	**1,565**	**5,500**	**(4,500)**	**-45.00%**
Water efficiency program expenses						
28-103705-03	Conservation supplies	7,270	-	10,000	2,730	37.55%
28-103705-08	DWR Prop 1 Rachio Controller program	12,000	-	12,000	-	0.00%
28-103705-09	Turf replacement	120,000	14,732	50,000	(70,000)	-58.33%
	Total Water efficiency program expenses	**139,270**	**14,732**	**72,000**	**(67,270)**	**-48.30%**
	Total Engineering/Water Efficiency	**285,313**	99,290	**317,012**	**31,699**	**11.11%**
	Total Engineering/Outreach and Water efficiency	**300,313**	**99,505**	**317,012**	**16,699**	**5.56%**

CARMICHAEL WATER DISTRICT

Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT

2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Finance/Accounting (Dept 23)						
23-101103-00	Wages	359,918	197,741	515,198	155,280	43.14%
23-101501-00	Benefits	158,599	85,315	203,222	44,623	28.14%
23-101521-00	Taxes	27,912	14,428	39,917	12,005	43.01%
	Subtotal Wages, benefits, taxes	**546,429**	**297,484**	**758,337**	**211,908**	**38.78%**
23-103105-00	Audit/Accounting Services	80,000	36,200	74,000	(6,000)	-7.50%
23-103106-00	Bank charges	4,000	3,297	4,000	-	0.00%
23-103120-00	Dues and memberships	460	-	500	40	8.70%
23-103157-00	Payroll processing fees	15,000	8,743	25,000	10,000	66.67%
	Total Finance/Accounting	**645,889**	**345,724**	**861,837**	**215,948**	**33.43%**
Finance/Customer Service (Dept 24)						
24-101103-00	Wages	253,878	158,418	268,894	15,016	5.91%
24-101501-00	Benefits	119,103	70,932	130,344	11,241	9.44%
24-101521-00	Taxes	19,800	12,502	20,948	1,148	5.80%
	Subtotal Wages, benefits, taxes	**392,781**	**241,852**	**420,186**	**27,405**	**6.98%**
24-103107-00	Billing expenses	76,000	37,287	78,000	2,000	2.63%
24-103107-02	Payment processing fees	62,000	36,645	34,895	(27,105)	-43.72%
24-103107-05	Lien redemption fees	900	140	600	(300)	-33.33%
24-103107-07	Contract services	5,000	-	4,000	(1,000)	-20.00%
	Total Finance/Customer service	**536,681**	**315,924**	**537,681**	**1,000**	**0.19%**
Human Resources (Dept 25)						
25-101103-00	Wages	92,014	57,656	100,725	8,711	9.47%
25-101501-00	Benefits	28,223	17,022	31,577	3,354	11.88%
25-101521-00	Taxes	7,165	4,487	7,831	666	9.30%
	Subtotal Wages, benefits, taxes	**127,402**	**79,165**	**140,133**	**12,731**	**9.99%**
25-103101-02	Advertising: Employment ads	5,000	3,555	3,000	(2,000)	-40.00%
25-103125-00	Exams/Screenings	2,000	1,347	2,000	-	0.00%
25-103153-03	HR Memberships/Books	200	-	200	-	0.00%
25-103501-01	Contract services	5,500	-	250	(5,250)	-95.45%
25-103501-00	Personnel legal Services	12,000	1,905	9,000	(3,000)	-25.00%
25-103509-00	Legal litigation	50,000	-	50,000	-	0.00%
25-062100-02	Employee recognition	3,000	1,428	3,000	-	0.00%
25-103189-00	Training/Certification/Travel/Meetings - All Depts	17,000	4,104	17,000	-	0.00%
	Total Human resources	**222,102**	**91,504**	**224,583**	**2,481**	**1.12%**
Information Technology (Dept 26)						
26-102301-00	Hardware	20,000	2,513	17,500	(2,500)	-12.50%
26-102305-00	Cybersecurity	10,000	11,115	14,000	4,000	40.00%
26-102307-00	Supplies/Tools	500	55	500	-	0.00%
26-102309-00	Contract Services- IT	52,400	19,735	52,400	-	0.00%
26-103145-00	Equipment repairs and maintenance	10,000	2,743	12,000	2,000	20.00%
26-102303-00	General software/licensing	135,000	57,490	135,000	-	0.00%
26-102311-00	Network monitoring/risk	17,800	6,476	18,200	400	2.25%
26-103185-01	Telecommunications	15,000	10,941	16,780	1,780	11.87%
26-103705-05	Website maintenance	8,500	7,063	8,500	-	0.00%
	Allocation of IT expenses to WTP	(43,100)	(28,736)	(23,500)	19,600	-45.48%
	Total Information technology	**226,100**	**89,395**	**251,380**	**25,280**	**11.18%**

CARMICHAEL WATER DISTRICT
Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT
2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
General Administration (Dept 27)						
Dues/Memberships						
27-102703-00	ACWA	23,205	15,461	24,000	795	3.43%
27-102707-00	AWWA	4,512	4,342	5,000	488	10.82%
27-102725-01	RWA	36,304	18,789	36,600	296	0.82%
27-102725-01	RWA - VA		-	15,000	15,000	#DIV/0!
27-102725-12	RWA Regional Water Bank	44,750	27,800	28,000	(16,750)	-37.43%
27-102725-01	RWA - Water efficiency program (Moved from Water Efficiency)	-		16,600	16,600	#DIV/0!
27-102735-01	SGA	54,000	35,737	54,000	-	0.00%
27-102740-00	Water Education Foundation	1,365	-	1,400	35	2.56%
27-102700-00	American River Foundation (Not budgeted for 2025-26)	1,050	-	-	(1,050)	-100.00%
27-102700-02	Water Forum, 2.0	17,850	11,020	17,850	-	0.00%
27-102709-00	Carmichael Chamber of Commerce	385	350	400	15	3.90%
27-102720-00	Kiwanis Club	220	150	150	(70)	-31.82%
27-102733-00	SAWWA (Not budgeted for 2025-26)	110	-	-	(110)	-100.00%
	Total Dues/memberships	**183,751**	**113,649**	**199,000**	**15,249**	**8.30%**
Finance/Facility Maintenance and expenses						
27-103145-00	Facility maint/expenses (Landscape, pest control, R/M, Utilities, Power)	116,500	43,295	116,500	-	0.00%
	Total facility maintenance and expenses	**116,500**	**43,295**	**116,500**	**-**	**0.00%**
Licenses, fees, and permits					-	
27-102905-00	Licenses, fees and permits (LAFCO, SWRCB Water rights, etc.)	13,570	8,662	17,000	3,430	25.28%
	Total Licenses, fees, and permits	**13,570**	**8,662**	**17,000**	**3,430**	**25.28%**
General expenses						
27-103101-01	Advertising - Formal notices, bids,	400	332	1,000	600	150.00%
27-103153-00	Office supplies and expense	8,000	3,094	8,000	-	0.00%
27-103161-00	Postage/Delivery services - Includes Water Efficiency expenses	5,500	1,400	10,500	5,000	90.91%
27-103165-00	Printing services - Includes Water Efficiency expenses	1,500	-	6,500	5,000	333.33%
27-103171-00	Equipment rental expense - Postage machine	850	297	700	(150)	-17.65%
27-103173-00	Safety	500	-	500	-	0.00%
27-103187-00	Tools	-	-	-	-	#DIV/0!
27-108501-00	Vehicle maintenance expense	1,000	314	1,000	-	0.00%
	Total General expenses	**17,750**	**5,437**	**28,200**	**10,450**	**58.87%**
27-061200-03	***Retiree medical***	**275,000**	170,455	**290,000**	**15,000**	**5.45%**
Insurance						
27-103301-00	Auto/General liability insurance (50% Alloc to WTP)	60,000	46,063	64,000	4,000	6.67%
27-103302-00	Property insurance (50% Alloc to WTP)	50,500	33,664	56,000	5,500	10.89%
27-103301-00	***Total insurance***	**110,500**	**79,727**	**120,000**	**9,500**	**8.60%**
	Total General administration	**717,071**	**421,225**	**770,700**	**53,629**	**7.48%**
TOTAL ADMINISTRATION		**3,959,749**	**2,048,157**	**4,367,170**	**407,421**	**10.29%**

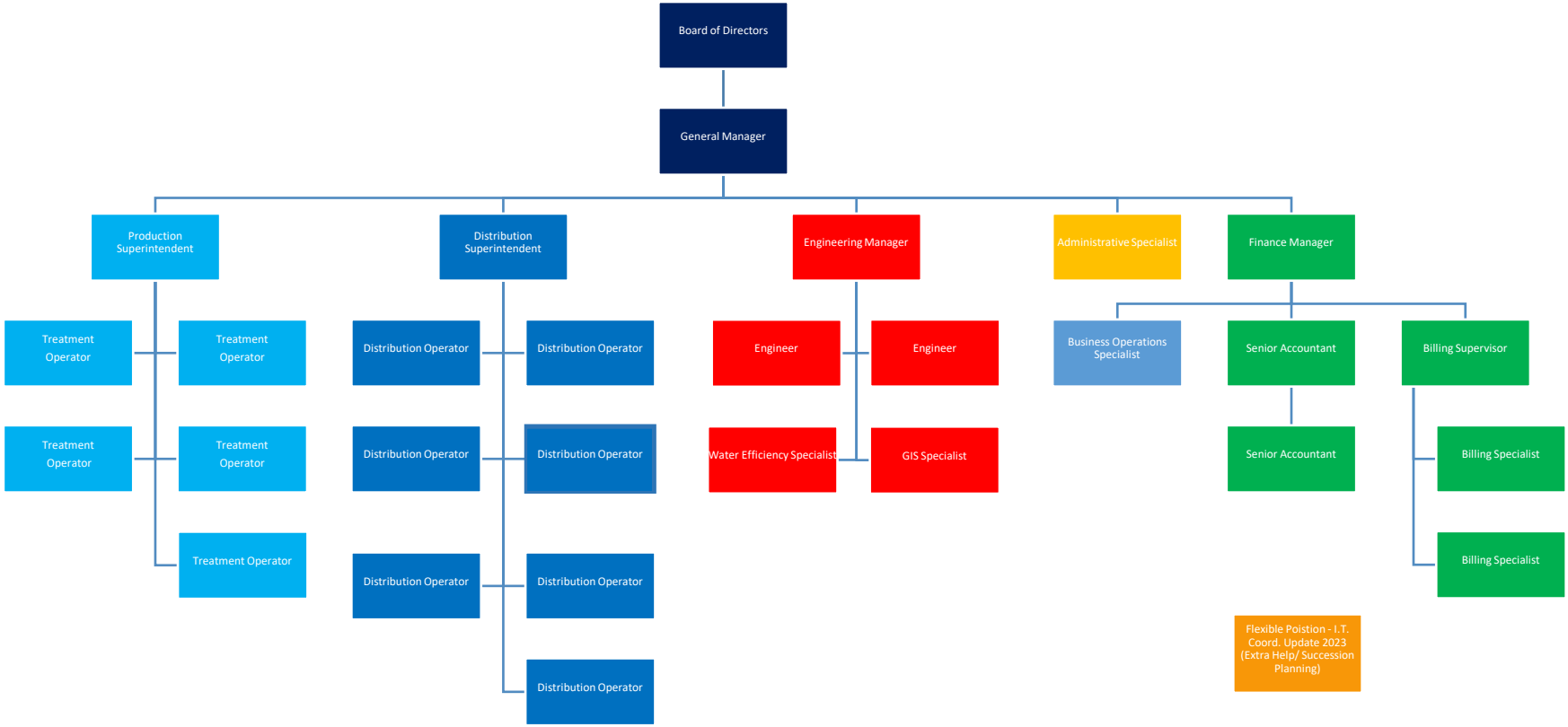
CARMICHAEL WATER DISTRICT
Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT
2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
PRODUCTION						
Administration Department (Dept 30)						
Personnel						
30-101103-00	Wages	792,209	472,672	804,492	12,283	1.55%
30-101501-00	Benefits	328,155	187,055	336,297	8,142	2.48%
30-101521-00	Taxes	61,486	36,695	62,300	814	1.32%
	Subtotal Wages, benefits, taxes	**1,181,850**	**696,422**	**1,203,089**	**21,239**	**1.80%**
	Allocation of (1) Engineer to Production	154,469	102,976	159,657	5,188	3.36%
	Total personnel	**1,336,319**	**799,398**	**1,362,746**	**26,427**	**1.98%**
General						
30-102507-00	Backflow supplies	500	831	1,500	1,000	200.00%
30-103139-01	Lab chemicals/supplies	15,000	8,818	15,000	-	0.00%
30-103171-00	Equipment rental	1,000	-	1,000	-	0.00%
30-103145-01	Equipment repairs and maintenance	5,500	-	5,500	-	0.00%
30-103173-00	Safety equipment	3,750	1,265	4,000	250	6.67%
30-103147-00	Office supplies and expense	2,500	1,933	3,500	1,000	40.00%
30-103181-00	Supplies	2,200	681	2,200	-	0.00%
30-103187-00	Tools	1,500	760	1,500	-	0.00%
30-103193-00	Uniforms	4,500	3,819	4,500	-	0.00%
30-108501-00	Vehicle repairs and maintenance	4,000	1,783	4,000	-	0.00%
35-103185-01	Telecommunications	10,500	6,808	10,500	-	0.00%
30-103301-00	Insurance - Property, Auto, General liability, Cybersecurity (50% Allocation)	110,500	79,727	120,000	9,500	8.60%
30-102303-00	Information Technology expense allocation	43,100	28,736	23,500	(19,600)	-45.48%
	Total General expenses	**204,550**	**135,161**	**196,700**	**(7,850)**	**-3.84%**
					-	
30-103189-00	Training/Certification/Travel/Meetings	**7,000**	**1,775**	**7,000**	**-**	**0.00%**
	Total Production Administration Department	**1,547,869**	**936,334**	**1,566,446**	**18,577**	**1.20%**
					-	
Water Treatment Plant Operations Department (Dept 35)						
Facility expenses						
35-103145-00	Facility maintenance (Janitorial, Pest control, Gen building R/M)	36,300	13,554	34,300	(2,000)	-5.51%
35-103177-00	Security	6,500	3,164	7,500	1,000	15.38%
35-103195-00	Utilities	6,500	3,591	7,000	500	7.69%
	Total facility expenses	**49,300**	**20,309**	**48,800**	**(500)**	**-1.01%**
35-106903-00	Water quality	45,000	26,809	27,900	(17,100)	-38.00%
35-106301-00	Chemicals	257,000	161,527	247,000	(10,000)	-3.89%
35-206701-00	Power - WTP (SMUD, PG&E)	951,600	627,762	1,051,600	100,000	10.51%
35-208700-00	WTP Systems maintenance	106,500	58,713	132,500	26,000	24.41%
TBD	Equipment repair and replacement - New for 2026	-	-	200,000	200,000	200000.00%
35-102505-00	Contract services (Engineering/SCADA)	25,000	1,337	24,000	(1,000)	-4.00%
35-102901-00	Licenses, fees, and permits (SWRCB, NPDES, Sac County Environmental)	71,875	46,890	83,700	11,825	16.45%
	Total Production Water Treatment Operations Department	**1,506,275**	**943,347**	**1,815,500**	**309,225**	**20.53%**
					-	
Well Operations Department (Dept 38)						
Power						
	SMUD					
38-216701-01	Barrett Rd Well	1,500	259	500	(1,000)	-66.67%
38-226701-01	Barrett School Well	80,000	16,443	60,000	(20,000)	-25.00%
38-236701-01	Garfield Well	80,000	36,104	60,000	(20,000)	-25.00%
38-246701-01	Ladera Well	1,500	105	1,500	-	0.00%
38-256701-00	Ancil Hoffman	17,000	13,640	20,000	3,000	17.65%
38-266701-01	Willow Park Well	50,000	30,272	50,000	-	0.00%
38-276701-00	Winding Way Well	20,000	705	1,500	(18,500)	-92.50%
38-286701-00	Dewey Tank/Pump Station	27,000	16,583	27,000	-	0.00%
38-296701-00	La Vista Tank/Pump Station	90,000	71,896	90,000	-	0.00%
38-297701-00	Manzanita Ave	750	318	750	-	0.00%
	La Sierra Well	-	-	30,000	30,000	50000.00%
	PG&E				-	
38-296701-00	La Vista Tank/Pump Station	-		-	-	0.00%
	Total power	**367,750**	**186,325**	**341,250**	**(26,500)**	**-7.21%**
38-218700-00	Well Site/Reservoir Maintenance	51,300	32,844	60,000	8,700	16.96%
35-106903-00	Water quality	14,500	5,207	14,500	-	-

CARMICHAEL WATER DISTRICT
Revenue and Operations and Maintenance Expenses: Budget line item detail - DRAFT
2025-26

Account number	Account description	2024-25 Final Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Proposed budget	$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
35-102901-00	Licenses, fees, and permits (Sac County Environmental)	5,000	3,898	4,000	(1,000)	-
	Total Production Well Operations Department	**438,550**	**228,274**	**419,750**	**(18,800)**	**-4.29%**
TOTAL PRODUCTION		**3,492,694**	**2,107,955**	**3,801,696**	**309,002**	**8.85%**
DISTRIBUTION						
Administration Department (Dept 40)						
General						
40-103113-00	Claims	1,000	-	1,000	-	0.00%
40-103145-01	Equipment repairs and maintenance	17,000	2,529	10,000	(7,000)	-41.18%
40-103147-00	Shop supplies	6,000	604	4,000	(2,000)	-33.33%
40-103153-00	Office supplies and expense	1,300	21	1,000	(300)	-23.08%
40-103165-00	Printing expense (Notifications)	500	-	500	-	0.00%
40-103171-00	Equipment rental	4,000	361	4,000	-	0.00%
40-103173-00	Safety	5,000	2,954	5,000	-	0.00%
40-103179-00	Shipping/Freight	1,000	-	-	(1,000)	-100.00%
40-103187-00	Tools	10,000	4,931	10,000	-	0.00%
40-103193-00	Uniforms	9,200	2,724	9,200	-	0.00%
	Total general	**55,000**	**14,124**	**44,700**	**(10,300)**	**-18.73%**
40-103145-00	Facility maintenance (Corp yard, wash rack, fuel tank)	21,800	2,986	15,000	(6,800)	-31.19%
40-102505-00	Contract services and inspections (Leak detection, USA, Fuel tank inspect)	27,600	8,173	20,000	(7,600)	-27.54%
40-102901-00	Licenses, fees and permits (Encroachment permits, Air Quality)	2,800	1,237	2,800	-	0.00%
40-103189-00	Training/Certification/Travel/Meetings	12,000	1,288	12,000	-	0.00%
40-108501-00	Vehicle repairs and maintenance	56,000	3,652	40,000	(16,000)	-28.57%
40-108597-00	Fuel	45,000	17,239	35,000	(10,000)	-22.22%
	Total Distribution Administration Department	**220,200**	**48,699**	**169,500**	**(50,700)**	**-23.02%**
Transmission and Distribution Department (Dept 45)						
Personnel						
45-101103-00	Wages	938,124	496,006	892,172	(45,952)	-4.90%
45-101103-03	*Capitalized Labor*	(311,134)	(70,420)	(356,869)	(45,735)	14.70%
45-101501-00	Benefits	465,021	220,840	467,060	2,039	0.44%
45-101111-03	*Capitalized benefits*	(158,879)	(34,820)	(186,824)	(27,945)	17.59%
45-101521-00	Taxes	70,652	38,515	67,081	(3,571)	-5.05%
45-101523-03	*Capitalized payroll taxes*	(23,306)	(5,610)	(26,832)	(3,526)	15.13%
	Total Personnel	**980,478**	**644,511**	**855,788**	**(124,690)**	**-12.72%**
45-108103-00	Infrastructure repairs	505,500	143,619	505,500	-	0.00%
45-108301-00	Road restoration	436,000	100,928	436,000	-	0.00%
	Total Distribution Transmission and Distribution Department	**1,921,978**	**889,058**	**1,797,288**	**(124,690)**	**-6.49%**
TOTAL DISTRIBUTION		**2,142,178**	**937,757**	**1,966,788**	**(175,390)**	**-8.19%**
TOTAL OPERATIONS AND MAINTENANCE EXPENDITURES		**9,594,621**	**5,093,869**	**10,135,654**	**541,033**	**5.64%**

Organizational Structure



Proposed July 2025

Water Rate Schedule

Current water rate schedule approved on June 20, 2023 – Effective January 1, 2025.

Water Rates Structure for January 1, 2021 – December 31, 2025

Effective Dates	Jan. 1, 2021	July 1, 2021	Jan. 1, 2022	Jan. 1, 2023	Jan. 1, 2024	Jan. 1, 2025
Water Usage Rates (In CCF)						
All Customer Type Water Use	$ 1.65	$ 1.72	$ 1.88	$ 2.06	$ 2.26	$ 2.47
Monthly Service Charge	Bi-Monthly	Monthly				
3/4" meter	$ 56.07	$ 29.24	$ 32.01	$ 35.05	$ 38.38	$ 42.03
1" meter	$ 87.82	$ 45.79	$ 50.14	$ 54.90	$ 60.12	$ 65.83
1 1/2" meter	$ 167.18	$ 87.18	$ 95.46	$ 104.53	$ 114.45	$ 125.33
2" meter	$ 262.43	$ 136.84	$ 149.84	$ 164.07	$ 179.66	$ 196.73
3" meter	$ 484.67	$ 252.72	$ 276.73	$ 303.02	$ 331.80	$ 363.33
4" meter	$ 802.15	$ 418.27	$ 458.00	$ 501.51	$ 549.15	$ 601.32
6" meter	$ 1,595.87	$ 832.13	$ 911.18	$ 997.74	$ 1,092.53	$ 1,196.32
8" meter	$ 2,548.32	$ 1,328.77	$ 1,455.00	$ 1,593.22	$ 1,744.58	$ 1,910.31
Condominium Living Units	$ 56.07	$ 29.24	$ 32.01	$ 35.05	$ 38.38	$ 42.03
MF Living Units w/Separate Meter	$ 56.07	$ 29.24	$ 32.01	$ 35.05	$ 38.38	$ 42.03
Monthly Fire Service Charges						
Per Inch of Diameter	$ 43.90	$ 22.89	$ 25.06	$ 27.54	$ 30.05	$ 32.91

Notes:

(1) Water Usage = CCF = 100 cubic feet = 748 gallons

(2) Multi-Family includes duplexes, triplexes, fourplexes, and apartment complexes

Water Shortage Surcharge Rate Structure

The following water shortage rate surcharges are applied as a percentage increase to the water usage rates in effect if and when a water shortage is declared by the District's Board of Directors. The fixed monthly service charges would be unaffected by the rate surcharges. Any implementation of a water shortage surcharge would be temporary, lasting only during the period of water shortage. Under the water shortage surcharges, customers achieving required water use reduction goals may have lower water bills than they would have with normal water rates and normal water usage. Customers that don't meet water use reduction goals may see higher water bills. The table below presents the proposed water shortage rate surcharge percentages, the same surcharge percentages would apply to any water usage rates as they may be adopted in subsequent years for normal supply conditions.

Water Shortage Surcharge	Normal Supply Conditions	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
Use Reduction Goals	None	0% - 10%	10% - 20%	20% - 30%	30% - 40%	40% - 50%	50% - 60%
Water Shortage Usage Rate Surcharge	n/a	n/a	5%	15%	20%	25%	30%

CARMICHAEL WATER DISTRICT - Fee Schedule Fiscal Year 2025-2026

Description - (See Definitions at end of document)	Frequency / Conditions	Amount	
BILLING & MISCELLANEOUS			
Owner-Tenant/Management Billing Agreement	Per Agreement	$ 22	
Tenant/User-AB2747 Billing Agreement	Per Agreement	$ 57	
Overpayment Refund Request	Per Refund	$ 46	
Customer Payment Processing Error Payment Transfer	Per Occurrence	$ 20	
Meter Re-read/Re-inspection - with no Error	First within 12 month Period	$ -	
Meter Re-read/Re-inspection - with no Error	More than one (1) within 12 month Period	$ 66	
Meter Re-read/Re-inspection - with no Error	Each Additional Meter after First	$ 15	
Meter Final/Closing Read Fee	First Meter	$ 51	
Meter Final/Closing Read Fee	Each Additional Meter after First	$ 4	
Meter Test Fee	Regular Work Hours / Per Employee	$ 131	
Public Information Request	Per Sheet (if mailed + postage rate)	$ 0.25	
COLLECTIONS			
Payment Return Chargeback	Per Occurrence	$ 48	
Past Due	Per Occurrence	$ 11	
Door Hanger	Per Occurrence	$ 64	
Shut Off/Disconnection Non-Payment/Non-Compliance	Per Occurrence	$ 89	
Reconnection	Per Occurrence Normal Work Hours	$ 61	**
Unauthorized Lock Removal or Unauthorized Restoration	Per Occurrence	$ 107	
Lien	Per Occurrence	$ 41	
Lien Release	Per Occurrence	$ 83	
Monthly Lien Interest	Per Month of Original Liened Amount	.83%	
FIELD SERVICE WORK BY DISTRICT STAFF			
Customer Assistance / Emergency Work / Tamper Fee	Hourly Per Employee Normal Work Hours	$ 124	
	Hourly Per Employee Non-Normal Work Hours	$ 137	*
	Hourly Per Employee Holiday Work Hours	$ 168	*
Denial of Access Fee	Per Occurrence	$ 200	
Meter Downsize	Per Occurrence	$ 126	
Meter Upsize	Per Occurrence (minimum $410)	T&M	**
Permanent Disconnection	Per Occurrence (minimum $3,000)	T&M	**
Temporary Maintenance Shutoff/Lockoff	Per Occurrence	$ 89	
NEW CONSTRUCTION SERVICES			
Inspection	Hourly Per Employee Normal Work Hours	$ 150	
	Hourly Per Employee Non-Normal Work Hours	$ 205	
	Hourly Per Employee Holiday	$ 260	
Fire Flow Analysis	Per Analysis	$ 1,326	
Plan Check Fees			
Residential 1 - 6 Lots	Minimum fee regardless of # plus per each addtl lot	$ 2,282	
Residential 7 - > Lots	Minimum fee plus per each addtl lot	$ 369	
Commercial 0 - 5,000 sqft	Minimum	$ 2,053	***
Commercial 5001 - 15,000 sqft	Minimum	$ 4,233	***
Commercial 15,001 or > sqft	Minimum	$ 6,592	***
CAPITAL FACILITIES			
	Per 3/4" Meter	$ 6,548	
	Per 1" Meter	$ 10,908	
	Per 1.5" Meter	$ 21,815	
	Per 2" Meter	$ 34,909	
	Per 3" Meter	$ 65,446	
	Per 4" Meter	$ 109,078	
	Per 6" Meter	$ 218,155	
	Per 8" Meter	$ 349,049	
FIRE HYDRANT PERMIT			
Permit	Per Permit	$ 133	
Equipment Deposit	Per Permit	$ 5,628	
BACKFLOW			
Annual Test	Per Test	$ 86	

* Total fees will be based on a minimum of two (2) hours compensation.

** Due to regulatory requirements, system requirements, type of Service, etc., service upgrade, connection fees and/or facilities fees may be required to reconnect.

*** In addition, District may charge on a time & materials basis for efforts that are atypical resulting in excess costs to perform the analysis. Includes multi-family and assisted living facilities.

CARMICHAEL WATER DISTRICT
PROPOSED DRAFT BUDGET - 3%
2025-2026

Budget Highlights

3% water rate increase developed within this budget.
ASR wells and Transmission pipeline projects continue with significant grant and VA funding.
The Claremont CIP from last fiscal year will roll to this year as the primary Distribution Pipe replacement project.
Distribution CIP includes a major project in coordination with Sacramento County to replace a section of Mainline and several service lines along Fair Oaks Boulevard. Capital Replacement Reserves are proposed for the funding source due to the immediacy of placement of the project in this budget year.
Labor costs are developed with the 3.0 % Board authorized COLA wage increase effective July 1, 2025.
Staffing increases for two positions are included: A Senior Accountant in Finance and a Distribution Operator.
Inflationary price increases in services and supplies continue with cost increases ranging from 3% - 20%.
Cost allocations to the WTP for Engineering staff, IT and insurance costs have been developed for the Production Division.

3% Proposed 2026 Water rate increase - Last was effective January 1, 2025 (9.5%)
Draft budget includes the second half of the Jan 1, 2025 rate increase for the period July to December 2025

	Proposed Budget	% of revenue
Revenue		
Water revenue - Increases by $240,000	19,790,500	61.53%
Outside boundary sales	1,440,676	4.48%
Miscellaneous and other income	182,500	0.57%
Grant/VA revenue	10,300,000	32.02%
Investment income	400,000	1.24%
Facilities fees	50,000	0.16%
Total revenue	**32,163,676**	**100.00%**
Less: Expenditures		
Labor costs (3% COLA effective 7-1-25)	4,715,423	14.66%
Services and supplies	5,420,231	16.85%
Total O&M	**10,135,654**	**31.51%**
CIP Rate funded	8,043,000	25.01%
CIP Reserve funded	400,000	1.24%
CIP Grant/VA funded	10,250,000	31.87%
Total CIP	**18,693,000**	**58.12%**
Debt service (Principal and interest)	**2,491,566**	**7.75%**
Total expenditures	**(31,320,220)**	**97.38%**
Less: Reserve funding and liability pre-funding		
Capital reserve funding (Ranney, Filter Skid, Membrane)	1,350,000	4.20%
OPEB/Pension liability pre-funding	500,000	1.55%
Facilities fees (Equal to revenue collected)	50,000	0.16%
Total reserve and prefunding	**(1,900,000)**	**5.91%**
Add: Designation of use of reserve funds		
Capital replacement reserves	1,056,544	-3.28%
Total designated use of reserve funds	**1,056,544**	**-3.28%**
Budget surplus/(deficit)	**0**	**0.00%**

CARMICHAEL WATER DISTRICT
PROPOSED DRAFT BUDGET - 5%
2025-2026

Budget Highlights

5% water rate increase developed within this budget.
ASR wells and Transmission pipeline projects continue with significant grant and VA funding.
The Claremont CIP from last fiscal year will roll to this year as the primary Distribution Pipe replacement project.
Distribution CIP includes a major project in coordination with Sacramento County to replace a section of Mainline and several service lines along Fair Oaks Boulevard. Capital Replacement Reserves are proposed for the funding source due to the immediacy of placement of the project in this budget year.
Labor costs are developed with the 3.0 % Board authorized COLA wage increase effective July 1, 2025.
Staffing increases for two positions are included: A Senior Accountant in Finance and a Distribution Operator.
Inflationary price increases in services and supplies continue with cost increases ranging from 3% - 20%.
Cost allocations to the WTP for Engineering staff, IT and insurance costs have been developed for the Production Division.

5% 2026 Water rate increase - Last was effective January 1, 2025 (9.5%)
Draft budget includes the second half of the Jan 1, 2025 rate increase for the period July to December 2025

	Proposed Budget	% of revenue
Revenue		
Water revenue - Increases by $410,000	19,960,500	61.73%
Outside boundary sales	1,440,676	4.46%
Miscellaneous and other income	182,500	0.56%
Grant/VA revenue	10,300,000	31.86%
Investment income	400,000	1.24%
Facilities fees	50,000	0.15%
Total revenue	**32,333,676**	**100.00%**
Less: Expenditures		
Labor costs (3% COLA effective 7-1-25)	4,715,423	14.58%
Services and supplies	5,420,231	16.76%
Total O&M	**10,135,654**	**31.35%**
CIP Rate funded	8,043,000	24.87%
CIP Reserve funded	400,000	1.24%
CIP Grant/VA funded	10,250,000	31.70%
Total CIP	**18,693,000**	**57.81%**
Debt service (Principal and interest)	**2,491,566**	**7.71%**
Total expenditures	**(31,320,220)**	**96.87%**
Less: Reserve funding and liability pre-funding		
Capital reserve funding (Ranney, Filter Skid, Membrane)	1,350,000	4.18%
OPEB/Pension liability pre-funding	500,000	1.55%
Facilities fees (Equal to revenue collected)	50,000	0.15%
Total reserve and prefunding	**(1,900,000)**	**5.88%**
Add: Designation of use of reserve funds		
Capital replacement reserves	886,544	-2.74%
Total designated use of reserve funds	**886,544**	**-2.74%**
Budget surplus/(deficit)	**0**	**0.00%**

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Topic: La Vista Tank and Booster Pump Project- Continuous Update #2

Date: April 5, 2025

Item For: Information

Submitted By: Greg Norris, Engineering Manager
Cathy Lee, General Manager

BACKGROUND

The La Vista Tank and Booster Pump Project began construction in June 2021. The contractor was selected to be Koch and Koch Inc. (KKI) through a competitive bidding process. Project work progressed through March 2023, at which time PCB was found on site. The PCB had originated from the existing tank's lining and been spread on site during demolition. Construction stopped while the project site was remediated and did not start back until December 2023. KKI continued construction into April of 2024 at which time they stopped work due to a dispute with the contract.

After many months of negotiations, KKI and the District were able to agree to terms for KKI to return to work and complete the project. A Reinstatement Agreement was executed by the District on February 19, 2025 specifying that the contractor has 458 days to complete the work from that date. In anticipation to KKI returning to work, the District hired Toppel Consulting (Toppel) in January 2025 to perform construction management duties and re-initiated the existing agreement with Kennedy-Jenks (KJ) to perform engineering duties.

SUMMARY/DISCUSSION

Since last month's report, KKI has been constructing the stem walls for the remaining portion of the perimeter wall. Testing and inspections are being performed by the same testing firms as prior to project shutdown, Mid-Pacific Engineering (MPE) and Crawford and Associates. In addition, the contractor is installing the 20-inch pipe that stubs up through the bottom of the new pump station house and supplies water to the booster pumps. Note that the CWD Production Staff shut down the tank and existing booster pump for 10 hours while the 20-inch pipe was installed. After installation, KKI and CWD disinfected the pipe.

Toppel Consulting coordinated four weekly meetings since last month's report, processed RFIs, scheduled special inspections, and tracked progress. The only outstanding RFI is RFI #128 related to SCADA programming. CWD is reviewing and will provide information once determined.

The District will be meeting with Kennedy Jenks (KJ), next week to discuss an amendment to the current agreement for Engineering Services During Construction (ESDC) between the District and KJ. Currently, there is approximately $100,000 remaining in the overall contract with KJ, however, funds for several of the tasks are depleted while several tasks are complete and have surplus funds. An amendment will re-allocate funding between the tasks and cover any additional funding necessary for KJ to complete their responsibilities for the remainder of the project.

ATTACHMENT(S)

- Stem Wall Photo
- 20-Inch Pipe Photo
- 3 Week Look Ahead Schedule for 3/31/25-4/20/25

ATTACHMENT 3

Three Week Look Ahead Schedule
LA VISTA TANK AND BPS
Koch & Koch, Inc.

	Work To Be Performed	3/31/25-4/20/25																											
		24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
	NON WORKING DAYS/HOLIDAYS					X							X							X							X		
	1st Pour CMU Stem Wall	X																											
	2nd Pour CMU Stem Wall				X																								
	Cure Stem Walls					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
	Strip Forms CMU Stem Walls																						X	X					
	Backfill CMU Stem Walls																								X	X			
	Underground Electrical	X	X	X	X				X	X	X	X				X	X	X	X				X	X	X	X			
	Prep 20" Outlet & 10" Future	X	X																										
	Shutdown/Tie In 20" Outlet			X																									
	Pour 20"/10" Encasements				X																								

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Topic: Amendments to Regulation 1010 to Delegate the Authority to Allow, Deny, or Settle Government Claims for Money or Damages Not Exceeding $10,000 to the General Manager

Date: April 16, 2025

Item For: Informational

Submitted By: Cathy Lee, General Manager

BACKGROUND

The Government Claims Act (Gov. Code §§ 810 through 996.6) sets forth administrative claims (also known as "Government Claims") requirements that need to be satisfied before commencing most actions seeking money against a public agency or a public employee acting within the scope of his/her employment. The Government Claims Act expressly authorizes public agencies, like the Carmichael Water District ("District"), to establish their own claims procedures that delegate authority to handle certain Government Claims. Presently, the District's Claims Procedures, as set forth in Regulation 1010 ("Claims Procedures"), require every Government Claim against the District, no matter how small, to be presented to the Board of Directors to either allow, deny, or settle the claim. To streamline the process of how the District handles Government Claims, I recommend the District amend its Claims Procedures to delegate authority to allow, deny, or settle Government Claims for $10,000 or less to the General Manager.

SUMMARY/DISCUSSION

The Claims Procedures provide the public, District staff, and Board of Directors guidelines on how Government Claims against the District should be handled. The proposed amendments to the Claims Procedures cover all Government Claims against the District, not just property damage claims. Furthermore, the updates delegate authority to the District's General Manager to allow, deny, or settle Government Claims for money amounting to $10,000 or less.

RECOMMENDATION

Staff recommends the Board of Directors adopt Resolution 04212025-XX to amend Regulation 1010 and delegate the authority to the District's General Manager to allow, deny, or settle Government Claims for money not exceeding $10,000.

ATTACHMENT(S)

1. Resolution 2025-XX
2. Amended Regulation 1010
3. Amendments to Regulation 1010 in redline

ATTACHMENT 1

DRAFT
CARMICHAEL WATER DISTRICT
RESOLUTION NO. 04212025-XX

A RESOLUTION TO AMEND CARMICHAEL WATER DISTRICT REGULATION 1010 AND DELEGATE THE AUTHORITY TO ALLOW, DENY, OR SETTLE GOVERNMENT CLAIMS FOR MONEY NOT EXEEDING $10,000

WHEREAS, the Carmichael Water District ("District") was formed and is operating under the Irrigation District Law (Water Code sections 20500 and following); and

WHEREAS, the Government Claims Act (Gov. Code §§ 810 through 996.6) expressly authorizes public agencies, like the District, to establish their own claims presentation procedures and delegate authority to allow, deny, or settle certain Government Claims; and

WHEREAS, District Regulation 1010, the Claims Procedures, provides the public, District staff, and Board of Directors guidelines on how property damage claims against the District should be handled; and

WHEREAS, currently District Regulation 1010 does not delegate the authority to its General Manager to allow, deny, or settle Government Claims brought against the District and every Government Claim, no matter how small, must be presented to the District's Board of Directors to either allow, deny, or settle a Government Claim; and

WHEREAS, pursuant to the authority under Government Code § 935.4, the District wishes to streamline the process of handling all Government Claims brought against the District by delegating the authority to its General Manager to allow, deny, or settle a Government Claim for money in an amount not exceeding $10,000, and extend the scope of the regulation to cover all Government Claims, rather than just property damage claims;

NOW, THEREFORE, BE IT RESOLVED, the District's Board of Directors hereby amends Regulation 1010 as set forth in Exhibit 1.

PASSED AND ADOPTED by the Board of Directors of the Carmichael Water District on the 21th day of April, 2025, by the following vote:

AYES:
NOES:
ABSENT:

By: _____
Ron Greenwood
President, Board of Directors
Carmichael Water District

****

I hereby certify that the foregoing resolution was duly and regularly adopted and passed by the Board of Directors of Carmichael Water District at a regular meeting hereof held on the 21th day of April, 2025.

By: _____

(SEAL)

Cathy Lee
General Manager/Secretary
Carmichael Water District

ATTACHMENT 2

EXHIBIT 1 to APRIL 21, 2025 BOARD MEMORANDUM STAFF REPORT

The following is the amended version of Regulation 1010.

REGULATION TITLE: **Claims Procedures**

REGULATION NUMBER: **1010**

1010.10 The purpose of this regulation is to provide the public, Carmichael Water District (District) staff, and Board of Directors guidelines on how Government Claims Act claims should be presented to the District and how the District will handle the claims.

1010.20 All claims against the District for money, which are not otherwise governed by any other applicable statute or regulation, shall be presented and acted upon within the time limitations and in the manner prescribed by Chapter 2, commencing with § 910 of Part 3 (Claims Against Public Entities) of Division 3.6 of Title 1 of the Government Claims Act, or as these provisions may be amended from time to time.

1010.30 In accordance with Government Code §§ 935(b) and 945.4, before commencing, filing, or initiating any lawsuit, legal action, arbitration or any other legal proceeding against the District based on a claim for money exempt under § 905 of the Government Claims Act from the claims presentation procedures, a Government Claim must be presented and acted upon, as provided in § 1010.20, above.

1010.40 When an individual first notifies District staff – in person, by telephone, or in writing – that he/she is presenting a claim against the District and describing a set of circumstances or facts as to how the District is responsible, the person receiving the information will do the following:

1010.41 Record the time and date of telephone calls or office visits, and take notes as to the information provided by the claimant on the telephone or in the office.

1010.42 Do not discuss District's responsibility or make any statements that would implicate the District – staff should respond to questions, be cordial, but refrain from commenting on liability questions.

1010.43 Ask the claimant to fill out a District claim form which is available at the District office. District staff should not assist in filling out the claim form.

1010.431 If an individual sends a letter or written correspondence that appears to be a claim, a letter in response will be sent which asks for clarification and includes a claim form with a request that it be filled out if the individual wishes to file a claim.

1010.50 Investigation of the claim shall be done as soon as reasonably possible after it is filed.

1010.60 Pursuant to Government Code § 935.4, the General Manager (or his/her designee), in consultation with General Counsel, is hereby authorized to allow, deny, or settle any Government Claim for money in an amount not exceeding $10,000. Upon written authorization of the General Manager (or his/her designee), the Finance Manager (or his/her designee) shall cause payment to be issued in the amount for which the General Manager has allowed or settled a Government Claim under this Regulation.

1010.61 The General Manager, at his/her own discretion, may refer the consideration of a Government Claim under §1010.10 to the District's Board of Directors as he/she deems appropriate.

1010.62 In the event that the General Manager has any conflicts of interest, the consideration of the Government Claim shall be referred to the District's Board of Directors.

1010.70 The District's General Manager shall report to the District's Board of Directors any actual allowance or settlement of Government Claim authorized by § 1010.60, above.

1010.80 Any Government Claim exceeding $10,000 shall be considered by the District's Board of Directors.

1010.90 District staff will work with Association of California Water Agencies Joint Powers Authority in handling claims within the guidelines of these Claims Procedures.

ATTACHMENT 3

EXHIBIT 2 to APRIL 21, 2025 BOARD MEMORANDUM STAFF REPORT

The following is a redlined version of the updates to Regulation 1010.

REGULATION TITLE: **Claims Procedures**

REGULATION NUMBER: **1010**

1010.10 The purpose of this regulation is to provide the public, Carmichael Water District (District) staff, and Board of Directors guidelines on how ~~property damage~~ Government Claims Act claims should be presented to the District and how the District will handle the claims. ~~be handled.~~

1010.20 All claims against the District for money, which are not otherwise governed by any other applicable statute or regulation, shall be presented and acted upon within the time limitations and in the manner prescribed by Chapter 2, commencing with § 910 of Part 3 (Claims Against Public Entities) of Division 3.6 of Title 1 of the Government Claims Act, or as these provisions may be amended from time to time.

1010.30 In accordance with Government Code §§ 935(b) and 945.4, before commencing, filing, or initiating any lawsuit, legal action, arbitration or any other legal proceeding against the District based on a claim for money exempt under § 905 of the Government Claims Act from the claims presentation procedures, a Government Claim must be presented and acted upon, as provided in § 1010.20, above.

1010.40 When an individual first notifies District staff – in person, by telephone, or in writing – that he/she is presenting a claim against the District ~~alleged damage has been done or is being done to their property~~, and describing a set of circumstances or facts as to how the District is responsible, the person receiving the information will do the following:

1010.41 Record the time and date of telephone calls or office visits, and take notes as to the information provided by the claimant on the telephone or in the office.

1010.42 Do not discuss District's responsibility or make any statements that would implicate the District – staff should respond to questions, be cordial, but refrain from commenting on liability questions.

1010.43 Ask the claimant to fill out a District claim form which is available at the District office. District staff should not assist in filling out the claim form.

1010.431 If an individual sends a letter or written correspondence that appears to be a claim, a letter in response will be sent which asks for clarification and includes a claim form with a request that it be filled out if the individual wishes to file a claim.

1010.50 Investigation of the claim shall be done as soon as reasonably possible after it is filed.

1010.60 Pursuant to Government Code § 935.4, the General Manager (or his/her designee), in consultation with General Counsel, is hereby authorized to allow, deny, or settle any Government Claim for money in an amount not exceeding $10,000. Upon written authorization of the General Manager (or his/her designee), the Finance Manager (or his/her designee) shall cause payment to be issued in the amount for which the General Manager has allowed or settled a Government Claim under this Regulation.

1010.61 The General Manager, at his/her own discretion, may refer the consideration of a Government Claim under §1010.10 to the District's Board of Directors as he/she deems appropriate.

1010.62 In the event that the General Manager has any conflicts of interest, the consideration of the Government Claim shall be referred to the District's Board of Directors.

1010.70 The District's General Manager shall report to the District's Board of Directors any actual allowance or settlement of Government Claim authorized by § 1010.60, above.

1010.80 Any Government Claim exceeding $10,000 shall be considered by the District's Board of Directors.

1010.90 District staff will work with Association of California Water Agencies Joint Powers Authority in handling claims within the guidelines of the claims procedures.

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Topic: Congressional Funding for FY 26 Appropriations
Date: April 5, 2025
Item For: Informational

Submitted By: Cathy Lee, General Manager

BACKGROUND
The House Appropriations Committee is expected to release funding guidelines for FY 2026 Community Project Funding. Both California senators and Congressman Bera have called for projects. The top priorities for the District's capital improvement projects are the Ranney Collectors Rehabilitation and Water Treatment Plant (WTP) Transmission Pipelines projects based on their importance for water supply reliability.

SUMMARY/DISCUSSION
The 1959 Ranney Collectors have deteriorated and plugged with broken laterals in a few places and are approaching 70 years old, at the end of their useful life. The consultant and specialists who cleaned the laterals in 2023 estimated that the collectors have a reduced maximum capacity of 10,500 gallons per minute (GPM) equating to 15.1 million gallons per day (MGD), which cannot adequately serve the District's peak hour demand plus the flow to Golden State Water Company without the use of groundwater. The estimated costs to replace the collectors are $25M – $30M.

The WTP Transmission Pipelines are large diameter pipelines (12-24 inches) that connect the WTP to the rest of the distribution system. These pipelines were installed in the 40's and 50's using surplus World War II steel and are at the end of their useful life. The estimated costs to replace these pipelines are $13M in the next 5 years.

The requests for the Ranney Collector and WTP Transmission Pipeline projects are $3.5M and $2.5M, respectively. To support the needs for the project, staff solicited and received recommendation letters from State Senator Niello for the Ranney Collector project and Assemblyman Hoover for both projects, see Attachment 1. The Ferguson Group (TFG) facilitated the submittal process and will assist the District in connecting with congressional staffers.

As part of the Community Project Funding process and to meet and greet new federal department and agency personnel within the new Administration, TFG has arranged a trip to Washington DC for President Greenwood and the General Manager as part of the regional team (Carmichael Water District, City of Folsom, and San Juan Water District) to meet with the senators, Congressman Bera, US EPA Administrator, and Department of Interior – Bureau of Reclamation Commissioner or their staff. The meetings will be held over a two day period, on 4/28 and 4/29.

FISCAL IMPACT
Unknown at this time. The senators and Congressman Bera will review projects submitted to them and choose 15 projects each for inclusion for federal appropriations. The District received funding in 2023 and 2024 while a FY 2025 Continuing Resolution eliminated all congressionally directed spending.

RECOMMENDATION
None. Informational only.

ATTACHMENT(S)

1 – Support letters from Senator Niello and Assemblyman Hoover

ATTACHMENT 1

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0007
(916) 319-2007
FAX (916) 319-2107

DISTRICT OFFICE
13405 FOLSOM BLVD., #700,
FOLSOM, CA 95630
(916) 294-9774
FAX (916) 294-9830

Assembly
California Legislature

JOSH HOOVER
ASSEMBLYMAN, SEVENTH DISTRICT

COMMITTEES
VICE CHAIR, COMMUNICATIONS AND CONVEYANCE
VICE CHAIR, EDUCATION
LOCAL GOVERNMENT
NATURAL RESOURCES
TRANSPORTATION

JOINT LEGISLATIVE AUDITT

April 1, 2025

The Honorable Alex Padilla
Member of Senate
112 Hart Senate Office Building
Washington, DC 20510

RE: FY 2026 Appropriations – Congressional Directed Spending Request – Support for Carmichael Water District's Water Transmission Pipeline Replacement

Dear Senator Padilla,

I am writing in strong support of Carmichael Water District's (CWD's) request for $2.5M FY 2026 appropriations funding through a Congressional Directed Spending Request for CWD's Water Transmission Pipeline Replacement Project.

Due to the ongoing drought in California, CWD was compelled to construction three new wells with underground water storage capability to store excess water from the American River. Stored drinking water will be delivered to these new wells through CWD's existing distribution system which includes critical transmission pipelines built 70 – 80 years ago with surplus World War II materials that are at the end of their useful life. These transmission pipelines are the backbone for carrying water from the centralized water treatment plant (WTP) and this network of pipelines ranging from 16 to 30 inches in diameter with a total combined length of 16,600 feet (3.1 miles). The requested funding is to replace a portion of these pipelines with a total cost of $4.8 million and will benefit more than 41,000 people served by CWD.

Additionally, the new pipelines will also help with water loss reduction. CWD reported a real water loss of 748 acre-feet a year in 2023, enough to serve about 1,200 households. Calculations based on the age and carrying capacity of the pipelines, additional water pressures, and past repair and maintenance data, CWD staff estimated that the water loss attributed to these pipelines are nearly 50% of the annual loss, around 357 ac-ft per year. With an average life of 75 years, the amount of water loss prevented is 26,770 ac-ft. The new pipeline network will improve reliability and connectivity with surrounding water districts as part of the Sacramento Regional Water Bank which integrates regional water management with enhanced water transfer capabilities.

Thank you in advance for your consideration. If you have any questions regarding my support, please do not hesitate to contact my Chief of Staff, Teresa Trujillo at teresa.trujillo@asm.ca.gov or (916) 319-2007.

Sincerely,

Josh Hoover
Assemblyman, 7th District

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0007
(916) 319-2007
FAX (916) 319-2107

DISTRICT OFFICE
13405 FOLSOM BLVD., #700,
FOLSOM, CA 95630
(916) 294-9774
FAX (916) 294-9830

Assembly
California Legislature

JOSH HOOVER
ASSEMBLYMAN, SEVENTH DISTRICT

COMMITTEES
VICE CHAIR, COMMUNICATIONS AND CONVEYANCE
VICE CHAIR, EDUCATION
LOCAL GOVERNMENT
NATURAL RESOURCES
TRANSPORTATION
JOINT LEGISLATIVE AUDITT

April 1, 2025

The Honorable Adam Schiff
Member of Senate
112 Hart Senate Office Building
Washington, DC 20510

RE: FY 2026 Appropriations – Congressional Directed Spending Request – Support for Carmichael Water District's Ranney Collector Diversion Structure Rehabilitation

Dear Senator Schiff,

On behalf of the Carmichael Water District, I respectfully request your assistance in securing funding for $3,500,000 in the FY 2026 appropriations through a Congressional Directed Spending Request for the American River Ranney Collector Diversion Structure Rehabilitation Project.

Carmichael Water District (CWD) was established in 1916 and serves approximately 41,000 customers with water supply primarily from the American River. Additionally, CWD treats remediated groundwater to drinking water standards for Golden State Water Company's Cordova System, serving 45,000 customers in central Sacramento County, for a combined population of more than 86,000 people. The Ranney Collector structure is an important infrastructure where water from the American River, a designated wild and scenic river, is diverted for municipal supplies.

Most notably, the proposed project also restores the original flow capacity of the collectors which would allow CWD to fully utilize its surface water rights from the American River. This would provide flexibility for CWD to divert and treat excess flows from the American River during wet periods in order to store excess water underground in CWD's Aquifer Storage and Recovery (ASR) wells. California needs additional water storage and ASR enhances water reliability by providing alternate drinking water sources during times of drought, while at the same time protecting groundwater resources. The stored water would also be part of the Sacramento Regional Water Bank, to be recognized as part of the Central Valley Project (CVP) storage. Ultimately, this will improve reliability and connectivity with surrounding water districts and integrate regional water management by enhancing water transfer capabilities between neighboring agencies and the Sacramento Regional Water Bank.

Thank you in advance for your consideration. If you have any questions regarding my support, please do not hesitate to contact my Chief of Staff, Teresa Trujillo at teresa.trujillo@asm.ca.gov or (916) 319-2007.

Sincerely,

Josh Hoover
Assemblyman, 7th District

CAPITOL OFFICE
1021 O STREET
SUITE 7110
SACRAMENTO, CA 95814
TEL (916) 651-4006

DISTRICT OFFICE
2220A DOUGLAS BLVD.
SUITE 100
ROSEVILLE, CA 95661
TEL (916) 772-0571

California State Senate

SENATOR
ROGER NIELLO
SIXTH SENATORIAL DISTRICT

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BUSINESS, PROFESSIONS & ECONOMIC DEVELOPMENT
INSURANCE
JUDICIARY
TRANSPORTATION
VICE CHAIR
LEGISLATIVE ETHICS

March 27, 2025

The Honorable Ami Bera
United States House of Representatives
172 Cannon House Office Building
Washington, D.C. 20515

RE: FY 2026 Appropriations – Congressional Directed Spending Request – Support for Carmichael Water District's Ranney Collector Diversion Structure Rehabilitation

Dear Congressman Bera:

I am writing in strong support of the Carmichael Water District's request for a $3.5 million FY 2026 appropriation through a Congressional Directed Spending Request for the American River Ranney Collector Diversion Structure Rehabilitation Project.

Carmichael Water District (CWD) serves roughly 41,000 customers with water supplied primarily from the American River. Additionally, CWD treats remediated groundwater to meet drinking water standards for Golden State Water Company's Cordova System, serving 45,000 customers in central Sacramento County, for a combined population of more than 86,000 people that I represent in the California State Senate. The Ranney Collector structure is an important part of the infrastructure where water from the American River is diverted for municipal water suppliers.

The proposed project will restore the original flow capacity of the collectors which would allow CWD to fully utilize its surface water rights from the American River. This would provide flexibility for CWD to divert and treat excess flows from the American River during wet periods in order to store excess water underground in CWD's Aquifer Storage and Recovery (ASR) wells. This will provide alternate drinking water sources during times of drought while at the same time protecting groundwater resources. This project will improve reliability and connectivity with surrounding water districts and integrate regional water management by enhancing water transfer capabilities between neighboring agencies and the Sacramento Regional Water Bank.

Thank you for your consideration of this funding request for the Carmichael Water District that will provide a valuable service to water users and the greater Sacramento region. If you have questions, please call my Rancho Cordova District Office at (916) 464-3980.

Sincerely,

ROGER NIELLO
Senator, Sixth District

RN:ln

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Topic: Ladera/Winding Way Wells Topside Construction Statement of Qualifications Selection

Date: *April 5, 2025*

Item For: Information

Submitted By: Greg Norris, Engineering Manager

BACKGROUND

CWD recently completed drilling and construction of the Ladera and Winding Way water production wells and is seeking a Progressive Design Build (PDB) team to plan, design and construct necessary site improvements as well as mechanical and electrical installations to pump water from the wells, treat it as needed, and deliver treated water to CWD's distribution system. Both wells will also have recharge capability to inject surface water from the District's system into the aquifer. CWD's schedule goal is to complete the design and construction of the Ladera Way and Winding Way Top Side by December 2026.

SUMMARY/DISCUSSION

On February 2, 2025, the Carmichael Water District (CWD) posted on their website an invitation for qualified Progressive Design Builders to submit a Statement of Qualifications (SOQ) for the PDB of the Top Sides Improvements for the Project. Seven contractors attended the mandatory project meeting and site showing on February 19, 2025. Of the seven eligible teams, four SOQs were received by CWD from contractor/engineer teams on the submission deadline of March 19, 2025 as follows:

- Auburn Constructors/Carollo
- Mountain Cascade/Sandis
- Garney Construction/Dewberry
- Innovative Construction Solutions/N2W

Working with the newly retained PDB experts, Water Systems Consultants (WSC), CWD evaluated the four SOQs using a scoring sheet which included points in the major categories of:

1. Experience of PDB Team with Similar Projects
2. Qualifications of PDB Team
3. Demonstrated Ability to Successfully Complete Similar PDB Projects
4. Financial Resources
5. Overall Safety Record

The SOQs were ranked based on scores determined by both CWD and WSC. The results showed that Garney Construction/Dewberry and Auburn Constructors/Carollo had the highest rankings. Although all four SOQs were excellent, the two most qualified teams tended to have more experience for the proposed work than the other two teams, mostly centered around ASR well related work. Also, the individuals on the higher rated teams generally had more experience on PDB related work.

These two most qualified teams will be invited to submit proposals to design and construct the Project based on a Request for Proposal (RFP) that the District Staff intends to send them by May 2025. The RFP that will be sent is currently being reviewed by the CWD's attorney as it will also contain the PDB contract as an attachment for the PDB Teams' review and consideration.

ATTACHMENT(S)

Blank Scoring Sheet

ATTACHMENT 1

SOQ Scoring Sheet (Draft Final)

Project:	Ladera and Winding Way Wells Improvement Project				**FIRM NAME**	
Date:						
Scorer:						
QSB SCORING FACTORS			**POINT TOTAL**	**SCORE**	**NOTES**	**RFQ Section**
1. Experience of PDB Team with Similar Projects						
	ASR Experience (1 project)	4 pts.	25 (25%)			6.2.2
	Well Top Side Experience (2 project)	4 pts.				6.2.3
	Local Experience (2 projects)	4 pts.				6.2.4
	DB or PDB Experience (2 projects)	4 pts.				6.2.5
	Design Engineer Relevant Experience (2 projects)	4 pts.				6.2.6
	Contractor and Designer joint projects (2 projects)	4 pts.				6.2.7
	Bonus Point	1 pts.				
2. Qualifications of PDB Team						
	Background of the personnel		30 (30%)			
	Project Manager	12 pts.				6.1.3
	Field Services Manager	3 pts.				6.1.3
	Other key personnel (Design Engineer)	9 pts				6.1.3
	Team organization					
	Electrical Subcontractors	3 pts.				6.1.3
	Other Key Subcontractors	3 pts.				6.1.3
3. Demonstrated Ability to Successfully Complete Similar PDB Projects						
	Joint and Several Liability	4 pts.	20 (20%)			6.1.2
	Management and Approach	16 pts.				6.3
4. Financial Resources						
	Summary financial statements	0 or 15 pts.	15 (15%)			6.5
	Statement from bonding company					
	Capacity under current workload					
5. Overall Safety Record						
	Experience modification rate (EMR)	5 pts.	10 (10%)			6.4
	Claims over last 5 years & its outcome	5 pts.				6.4
		TOTAL SCORE:	**100**	**0**		

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Topic: WaterSMART Planning and Project Design Grant Selection
Date: April 5, 2025
Item For: Information

Submitted By: Robert Good, Assistant Engineer
Greg Norris, Engineering Manager

BACKGROUND
In 2024, the Carmichael Water District (CWD) submitted an application to the Bureau of Reclamation (BOR) FY2024 WaterSMART Planning and Project Design grant program. The grant program offered match funding for water management planning, site-specific project designs for water management improvements, and drought contingency planning.

The CWD proposed to develop: 1) planning documents and design plans for the replacement of 1.62 miles of aging water mainlines along Landis Avenue, Engle Road and Gunn Road, and; 2) planning documents and operational plans for pressure management at our southernmost pressure zone (Zone 3) through the isolation of two new pressure zones (e.g. Zones 3A and 3B) to achieve a moderate reduction in customer service pressures by an average of 13 pounds per square inch (psi).

The CWD estimated that, if implemented, the proposed projects would result in an annual conservation of 19.93 acre-feet per year, or 996.2 acre-feet over a minimum project life of 50 years. The proposal requested $335,000 in match-funding from the BOR to perform the design and planning for these proposed projects.

SELECTION FOR FUNDING AND NEXT STEPS
The BOR has selected CWD's application for funding. The CWD and BOR are currently engaged in contracting and early administration of the grant.

Since the time that CWD developed the original proposal, the engineering staff has been developing ideas for improvements to the proposal, including through selections of alternative mainlines for replacement as well as alternative locations for the creation of new sub-zones for pressure management. Currently, engineering staff have purchased access to the hydraulic modeling software suite InfoWater Pro to perform hydraulic analysis and research to determine the best locations to achieve the most benefit to CWD from this grant funding and design opportunity. If an alternative is identified, staff will propose to BOR a change in project scope with the identified increase in benefits and proper explanation.

ATTACHMENTS(s)
1. Partial list of BOR of 2024 Grant Award List.

BUREAU OF RECLAMATION

FY 2024 WaterSMART Planning and Project Design Grants

California

Agua Caliente Band of Cahuilla Indians, Coachella Valley Water Supply Enhancement Study (Water Strategy Grant)
Reclamation Funding: $147,587
The Agua Caliente Band of Cahuilla Indians, located in Riverside County, will develop a strategic plan to augment water supplies in the Coachella Valley and ensure long term water supply reliability. The Tribe and water districts in the Valley rely on imported water supplies for direct use and replenishment of the groundwater basin and ongoing drought conditions have reduced their ability to import water from existing sources and increased pumping has caused a significant decline in groundwater levels. T he Tribe will conduct outreach to local, regional, state, and other water providers and water management organizations, analyze future water supply needs and constraints, evaluate the risks that impact existing water importation activities, compare and prioritize water supply alternatives, and develop and implementation plan for additional water supply enhancement projects. This effort is supported by the Coachella Valley Regional Water Management Group and Riverside County.

Arvin-Edison Water Storage District, DiGiorgio Unit Pipeline Project (Project Design Grant)
Reclamation Funding: $308,171
The Arvin-Edison Water Storage District, located in Kern County, will design the DiGiorgio Unit pipeline to improve conjunctive use water management. The district's service area has experienced several periods of exceptional drought since 2012, contributing to critical groundwater overdraft and economic impacts to the agriculture industry. The pipeline will be designed to provide surface water for direct on-farm recharge, or irrigation supply to approximately 2,720 acres of irrigated land currently reliant on groundwater. The project will be developed in coordination with Kern County and local landowners to fulfill the South of Kern River Groundwater Sustainability Plan's goal of enhancing groundwater recharge while providing a sustainable irrigation supply.

Carmichael Water District, Mainline Upgrade and Improved Pressure Management (Project Design Grant)
Reclamation Funding: $335,000
The Carmichael Water District, located in Sacramento County, will design an upgrade of 1.62 miles of water mainlines and create an operational plan for pressure management at the southernmost pressure zone. Pressure management will help the district reduce continuous leak rates, frequency of pipe breaks, frequency of leak development, and increase the lifespan of pipe materials. These efforts will support the district's planning for long- term water reliability and improvements to existing water infrastructure identified as priorities in the 2018 American River Basin Integrated Regional Water Management Plan.

Topic: Bajamont Water Treatment Plant Wildfire Defensible Space Follow-up
Date: 4/7/2025
Item For: Informational

Submitted By: David Biagi, Production Superintendent
Bryce Watkins, Water Treatment Operator 4

BACKGROUND
At the February Board meeting, the Production Staff provided an informational memo regarding established guidelines for defensible space and infrastructure in place for wildfire defense. This Memo follows up on action taken to provide wildfire-defensible space around the Bajamont Water Treatment Plant (BWTP), the current infrastructure in place for wildfire defense, and possible additions to the system.

SUMMARY/DISCUSSION
Fuel mitigation:
Production staff have continued to make improvements to the property, increasing the defensible space immediately around the BWTP as follows: Three (3) trees have been removed from the front of the treatment plant that encroached over the roofline with the trunks of the trees being within 5 feet of the eves; the lower branches on any other trees have been trimmed to give greater clearance from shrubs below preventing ladder fuelsthat allow fires to climb up trees; Landscaping has been pruned back, and shrubs have been thinned out to create separation; Dead or excessive vegetation has been removed to lower possible fuel concentrations. The vegetation near the perimeter fence has been pruned back where feasible, Ivy has been removed, and shrubs have been thinned. Bark mulch has been pulled back 5 feet from the building and will be replaced with non-flammable material, such as gravel, decomposed granite, or rock. It is also worth noting that the Bajamont Treatment Plant is constructed of fire-resistant materials, including the recently installed fire-resistant roof system.

Fire detection and suppression:
Production Staff contacted Bay Alarm to request a quote for a fire detection system in the treatment plant's fire-sensitive areas, including the two electrical rooms, one located in the main building and one in the raw water building. The proposed fire detection system would comply with NFPA and California Fire Code Standards and significantly upgrade the treatment plant's limited fire detection system. The cost of the installation would be $69,842.00 plus a 5 year monitoring plan including NFPA 72 semi-annual inspections for $225.00 a month. The Quote is included as attachment A

Staff also reached out to several companies for information on external fire suppression systems. Most responding companies did not offer the type of external system that was identified by staff. Staff did speak with a local representative from Frontline Wildfire Defense, a company that specializes in exterior sprinkler systems for residential and commercial structures. The Frontline Wildfire Defense System is a preventative system that combats the threat of wind-borne embers. The system is designed to be turned on when fire is within seven miles of your location, well ahead of the actual frontline of the fire. Embers can travel for miles and can threaten a structure long before a wildfire is vnearby. By running a Frontline system early, the property can become fully hydrated and create an environment where embers are unable to cause a fire. It is an automated zone system made up of rooftop rotary heads

and eave mounted sprayers, over lapping for complete coverage of the building and surrounding areas. Each zone is designed to run and remain effective with low water pressure using the buildings primary water system. The sales rep estimated that the Main building would need 6 zones for complete coverage at a cost approximately $125,000 to $150,000 per zone. Considering BWTP is not located in a wildfire hazard area, according to CDF, and in house alternatives, the price of this system seems excessive.

In February, CWD Production and Distribution staff conducted a walkthrough at the BWTP to determine the best location for additional hydrants on the property. All utilities were located and water mains were potholed to confirm location and depth. It was determined that one new hydrant located at the rear mid of the main building would give adequate coverage. (Fig, 1) Distribution has ordered the needed supplies and will install the hydrant before the start of the fire season.

Fig. 1

Production will install firehose racks with adapters, nozzles and 100 feet of hose at each internal hydrant location. (Fig. 2)

Fig. 2

ATTACHMENT(S)

1. Bay Alarm Proposal

SACRAMENTO BRANCH
3475 Orange Grove Avenue
North Highlands, CA 95660
Direct: (408) 604-5924

CARMICHAEL WATER DISTRICT

PREPARED BY: DARIUS KUSHA

March 4, 2025

Hello,

I would like to thank you for the opportunity to submit this proposal for your review and approval. Please allow me a brief moment to acquaint you with Bay Alarm Company.

Since 1946, our business has focused on providing business security to companies just like yours. With more than seven decades of experience, we understand that loss prevention is a concern for businesses of all sizes. Our job is to take business security off your list of concerns.

With Bay Alarm as your business security partner, you gain the peace of mind that comes with having highly trained professionals handling your commercial Security/Fire System. Not only are our in-house engineer's experts in commercial security system design and integration, but they also provide extensive technical training and ongoing field support to our sales team. All our employees are up-to-date on the latest business security trends and technologies.

At Bay Alarm, we handle all aspects of your commercial Security System, including ongoing monitoring. That means you will always be dealing directly with Bay Alarm for your business security needs, 24 hours a day.

Bay Alarm Company is a leader in our industry and we are proud to be affiliated with the following associations:

California Alarm Association
Central Station Alarm Association
Security Network of America
National Burglar and Fire Alarm
National Fire Protection Association (NFPA)
California Automatic Fire Alarm
Underwriters' Laboratories Listed

Thank you for your consideration. If I can be of any assistance by providing clarification or additional information please feel free to contact me. To learn more about Bay Alarm Company please visit us at www.bayalarm.com.

Sincerely,

Darius Kusha
Bay Alarm Company
Sales Representative
Direct: 408-604-5924
Email: Darius.Kusha@bayalarm.com

SACRAMENTO BRANCH
3475 Orange Grove Avenue
North Highlands, CA 95660
Direct: (408) 604-5924

FIRE ALARM SYSTEM & NFPA 72 FIRE ALARM INSPECTIONS

PREPARED BY: DARIUS KUSHA

Scope of Work:
Bay Alarm to design, permit, furnish and install a voluntary new manual/automatic Fire Alarm System located at 3501 Bajamont Way, Carmichael, CA 95608. Bay Alarm will permit and submit Fire Alarm Plans to the local Fire Department for review and approval prior to any physical work on site beginning. Bay Alarm will comply to all NFPA and California Fire Code Standards in designing this system based on the customer provided floor plan for the building. Customer understands design can change if Fire Department requests additional equipment at time of plan review. Bay Alarm will provide radio communication to eliminate the need for the two (2) analog telephone lines. Bay Alarm will provide the ongoing NFPA 72 Semi-Annual Fire Alarm Inspections. Proposal is based on a 5-year Fire Monitoring agreement term.

Bay Alarm To Install:
(1) Fire-Lite ES-200X Addressable Fire Alarm Control Panel
(1) DMP FirstNet LTE Cellular Communicator
(1) Fire-Lite Power Expansion Module
(1) Space Age Fire Alarm Storage Cabinet
(2) Fireray Long Range Smoke Beams
(4) Fire-Lite Monitor Modules
(5) Fire-Lite Heat Detectors
(8) Fire-Lite Pull Stations
(12) System Sensor LED Strobes
(16) System Sensor LED Horn Strobes
(35) Fire-Lite Smoke Detectors

Bay Alarm To Connect To The Following User Owned Equipment:
(4) Duct Detectors Installed & Provided by Others

Customer To Provide Prior To Bay Alarm Installation:
Dedicated Circuit at Fire Alarm Control Panel & Power Supply Locations (Provided by Electrician)

Bay Alarm To Provide:
NFPA 72 Inspections (Semi-Annual Required NFPA Inspections)
Approved Set of Fire Alarm Shop Drawings

Pricing Summary:

One Time Installation Cost (labor & materials):	**$ 69,842.00**
Fire Alarm Monitoring, Cellular Communication, NFPA 72 Inspections:	**$ 225.00/month**

***Fire Department Plan & Review Fee for Fire Alarm is estimated at $3,000 billed separately upon completion*
***Bay Alarm proposal pricing reflects prevailing wage already included*
***Bay Alarm to service this system on a Time Plus Materials basis*

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Monthly Runoff and Allocation Report
-March 2025-

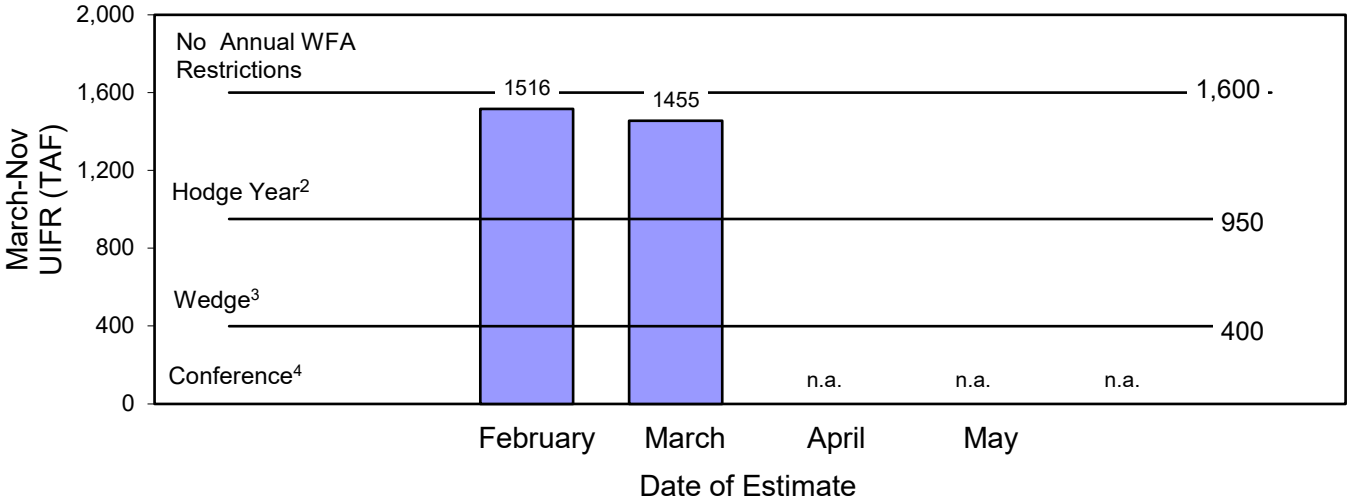
Water Forum
Successor Effort

Issuance Date: March 24, 2025

Purpose: This monthly report is issued for each of four months (i.e., February, March, April, and May) every year by the Water Forum Successor Effort to provide the status of the March through November Unimpaired Inflow into Folsom Reservoir (March-Nov UIFR). Per the Water Forum Agreement of 2000, this hydrologic index is used to determine the type of water year and may be used by American River water purveyors and water right holders to determine the extent of their dry-year procedures. For more information on these topics, visit http://www.WaterForum.org/Dry Year Procedures.

Projected Mar-Nov UIFR for March 2025 is 1455 TAF. This year type has Hodge Year restrictions.

Figure 1. UIFR Projections and American River Water Allocation[1]



[1]Several factors can affect the allocation of water supply from the American River. When Mar-Nov UIFR is greater than 1.6 MAF then no annual WF restrictions are applied. However, other restrictions could be in effect such as the CVP shortage criteria.

[2]A "Hodge Year" occurs when the Mar-Nov UIFR is less than 1,600 TAF. This affects the allocation of American River water for Sacramento Suburban WD (after 2010) and South County Agriculture (see footnote #9 on page 11 of the 2000 Water Forum Agreement). This is different than the instantaneous "Hodge Flow trigger" which affects diversions at the Fairbairn treatment plant when the LAR flow is less than 3,000 cfs during Mar-Jun; 2) Less than 1,750 cfs from July-Oct15; and 3) Less than 2,000 cfs from October 16-Feb.

[3]A "Wedge" occurs when the Mar-Nov UIFR is less than 950 TAF. This may affect the allocation of American River water for the City of Folsom, Placer County Water Agency, City of Roseville, San Juan Water District, Sacramento Suburban WD (prior to 2010) and SMUD (see footnote #3 on page 11 of the 2000 Water Forum Agreement).

[4] "Conference" years occur when Mar-Nov UIFR is less than 400 TAF. In those years diverters and others are required to meet and confer on how best to meet demands and protect the American River (footnote #2 on page 11 of the 2000 Water Forum Agreement).

Monthly Runoff and Allocation Report (continued)

Table 1. Monthly Runoff Values

Month	UIFR Monthly and Total Volumes in TAF				
	February Publication	March Publication	April Publication	May Publication	Final Values
March[1]	400	435	n.a.	n.a.	n.a.
April[1]	420	385	n.a.	n.a.	n.a.
May[1]	435	370	n.a.	n.a.	n.a.
June[1]	155	155	n.a.	n.a.	n.a.
July[1]	30	30	n.a.	n.a.	n.a.
August[1]	8	11	n.a.	n.a.	n.a.
September[1]	8	9	n.a.	n.a.	n.a.
October[2]	30	30	n.a.	n.a.	n.a.
November[2]	30	30	n.a.	n.a.	n.a.
Total	**1,516**	**1,455**	n.a.	n.a.	n.a.

[1] Values are from *Bulletin 120 (50% Exceedance), Water Conditions in California,* California Department of Resources (DWR) for the given publication month https://cdec.water.ca.gov/reportapp/javareports?name=B120DIST DWR publishes Bulletin 120 four times a year (February through May), providing forecasts of unimpaired flow for several watersheds in California for the given water year.

[2] Values are from *Technical Memorandum No. 1, Computing March through November Unimpaired Inflow into Folsom Reservoir*, Water Forum, May 2007.

USBR American River CVP Municipal and Industrial Contractor Allocation

The CVP announced that Municipal and Industrial (M&I) water service contractors North-of-Delta who are serviced by Folsom Reservoir on the American River are allocated 100 percent for 2025. https://www.usbr.gov/newsroom/news-release/5107

Please note that the CVP allocations are administered by the USBR and are not part of the Water Forum Agreement. The CVP information is provided for informational purposes only.

An update on water issues that impact the Sacramento Region

Sacramento-Area Water Providers Boost Groundwater Reserves in 2024

Nearly 11.5 billion gallons of water stored in the Water Bank last year

The Regional Water Authority (RWA), representing nearly two dozen water providers in the Sacramento region serving 2.2 million people, announced today that local water providers banked 35,231 acre-feet of water in the Sacramento Regional Water Bank during the 2024 calendar year. This amount is equivalent to nearly 11.5 billion gallons of water—enough to serve nearly 105,700 households for a year.*

The Water Bank is a network of groundwater wells, pumps, and pipelines that enable local water providers to store excess water in underground aquifers. It is estimated that the region's aquifers can store twice the volume of water as Folsom Reservoir. The Water Bank is crucial for adapting the region's water system to climate change, which is expected to reduce snowpack and cause more extreme droughts and floods.

"Once again, water banking has proven to be an effective solution for storing water that will be available when it's needed most," said Jim Peifer, RWA Executive Director. "In a year with near-average conditions in the American River watershed, local water providers were still able to bank a significant amount of water to support both our communities and the environment during dry periods."

In 2024, all deposits into the aquifer were made through In-lieu recharge, the combined management of both surface water and groundwater use, resulting in the replenishment of groundwater supplies within the aquifers. Every gallon of surface water served to customers in lieu of groundwater results in water saved in the groundwater aquifer, helping

In 2024, several agencies contributed to boosting groundwater levels by increasing their use of surface water and reducing reliance on groundwater to build reserves. North of the American River, the City of Sacramento and Sacramento Suburban Water District participated, along with the Carmichael Water District and California American Water. South of the American River, the Sacramento County Water Agency was also a key contributor.

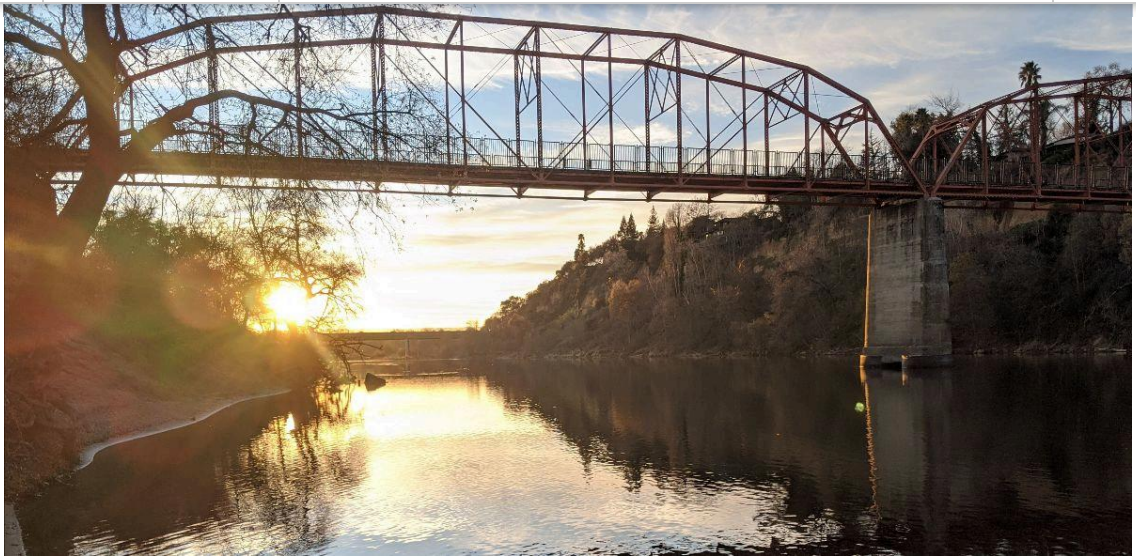
“These actions represent a powerful tool for us to store water during good years to protect against shortages in dry periods ahead,” said Brett Ewart, Board Chair of RWA and Supervising Engineer with the City of Sacramento. “We’re giving the same level of focus to managing surface water when it's plentiful as we do to managing groundwater during times of scarcity.”

The success of the water banking program illustrates how the Sacramento region is adapting to the impacts of climate change. Climate change is expected to bring more extreme weather patterns, with less snowpack in the Sierra, more rainfall occurring in shorter, heavier bursts and longer drought periods.

For over 20 years, local water providers have successfully used in-lieu recharge and Aquifer Storage and Recovery (ASR) to store water in the region’s groundwater aquifers. Efforts are underway to increase the capacity of the Water Bank to store up to 65,000 acre-feet of water during wet years, with future projects potentially expanding storage to 90,000 acre-feet annually, enough to supply about 270,000 households.

More information about the Sacramento Regional Water Bank can be found at SacWaterBank.com.

**** One acre-foot of water is equivalent to 325,851 gallons and serves approximately three households per year.***



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The Regional Water Authority is a joint powers authority that serves and represents the interests of two dozen water providers and affiliated agencies in the greater Sacramento area. Its primary mission is to help members protect and enhance the reliability, availability, affordability and quality of water resources. Learn more at www.rwah2o.org.

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Regional Water Authority, Sacramento Groundwater Authority and Sacramento Regional Water Bank
2295 Gateway Oaks Drive, Suite 100
Suite 100
Sacramento, CA 95833

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General Manager's Report
April 2025

1. Sacramento Regional Water Bank (SRWB)

Recent focus of the Sacramento Regional Water Bank is the Water Bank Starting Balance (previously banked water) modeling. The model effort is underway. The March 2025 Program Committee meeting materials and the April 10, 2025 SGA meeting materials are attached.

2. Water Forum Agreement (WFA) 2.0

Draft WFA 2.0 is schedule to be released in May and WF staff will present the draft agreement in the summer to stakeholders and interested parties over the summer.

3. Water Treatment Plant Capacity Sales and Treatment Agreement (Agreement)

Staff issued an annual true-up invoice to Golden State Water Company (GSWC) per the above referenced agreement for FY 23/24. GSWC contends that the Ranney Collector cleaning cost, about $1.0M, should be based on the capacity charge (20.5%) line item rather than variable charge. The current temporary agreement is for GSWC to underpay the invoice, based on the capacity charge, and the difference will be discussed when the parties open up the agreement.

4. Garfield Well Site Access Letters

The District's attorney sent out a letter to the homeowners surrounding the Garfield Well site per commendation from JPIA for risk and liability reasons. All the neighbors have removed their locks and belongings.

Attachments:

1. Water Bank Program Committee meeting material and SGA Water Bank update

SACRAMENTO REGIONAL
WATER BANK

A Sustainable Storage & Recovery Program

Program Committee Meeting

March 19, 2025

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Today's Agenda

- Introductions
- DWR/USBR Single Year Groundwater Substitution Transfer Program
- Water Bank Starting Balance
- Water Bank Project Task Updates
  - WAS Concept Paper
  - Monitoring Plan
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- Reclamation Engagement
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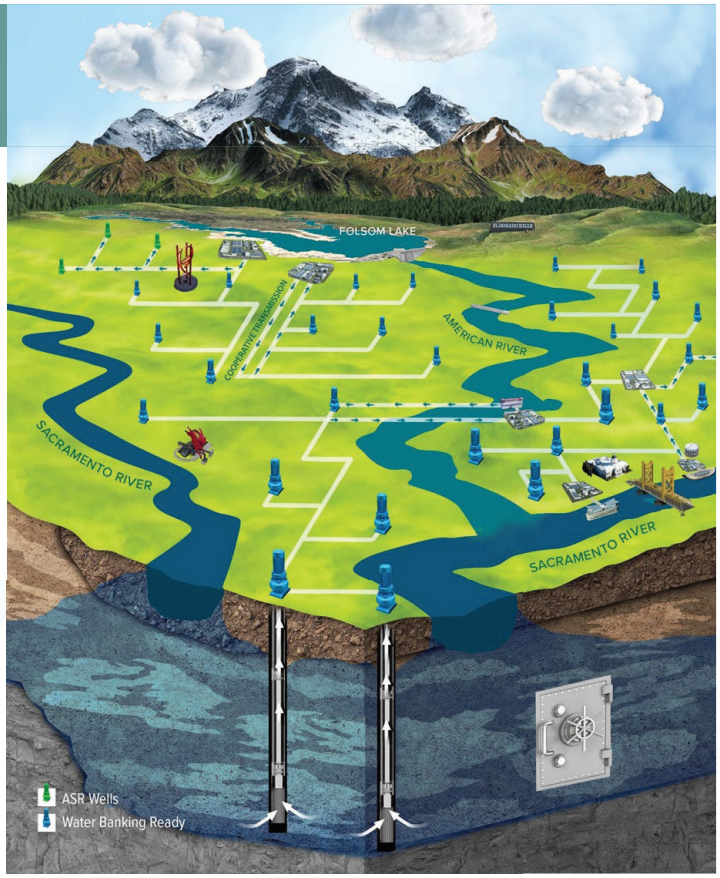
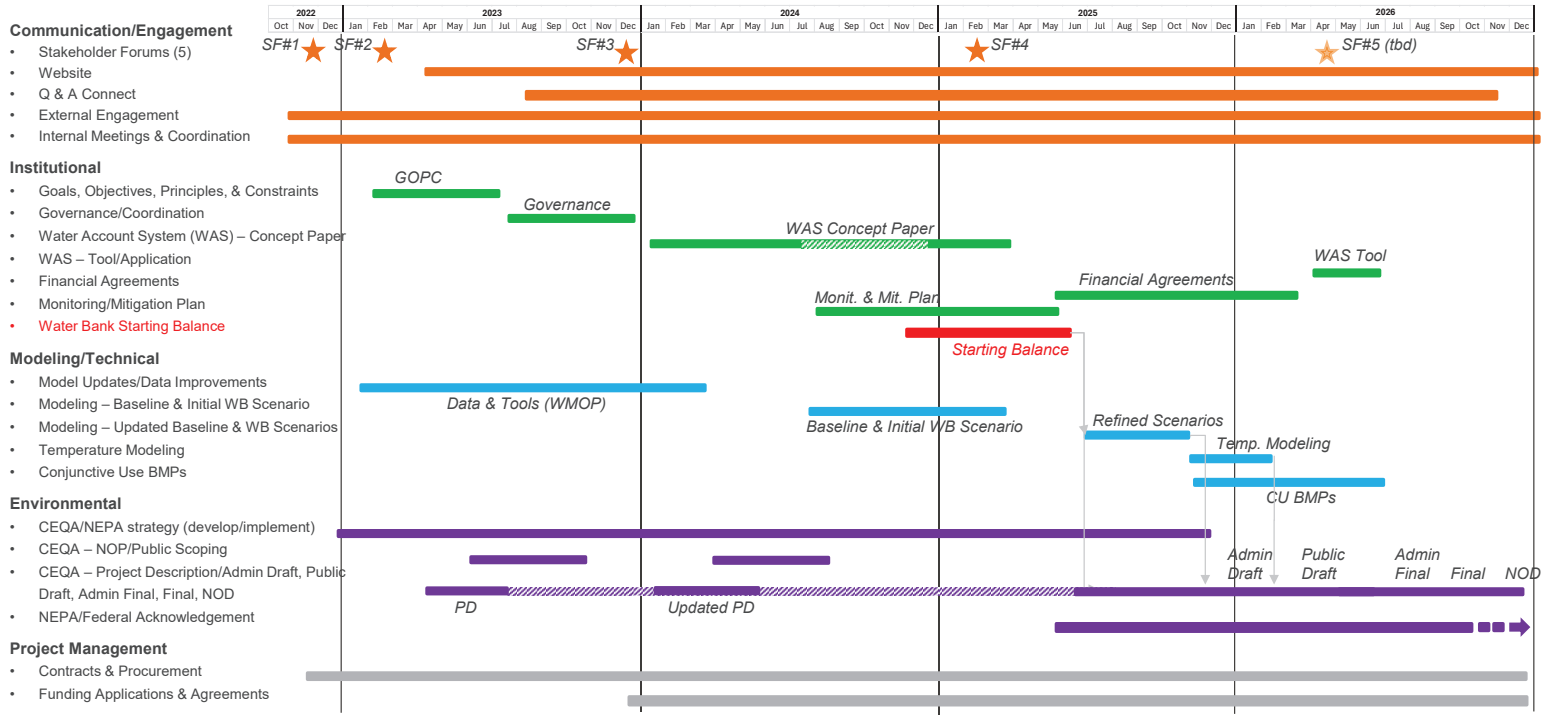


Water Bank Project—Tasks/Activities/Deliverables

Subject to change

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA



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PROGRAM COMMITTEE MEETING—March 19, 2025

Single Year Groundwater Substitution Transfer Program

PROGRAM COMMITTEE MEETING—March 19, 2025

HE Hsu, En-Ching@DWR<En-Ching.Hsu@water.ca.gov>
To: Darren Cordova <Cordova@mbkengineers.com>; +15 others
Cc: DWR SWP Water Transfers <swpwatertransfers@water.ca.gov>; +9 others
Tue 3/11/2025 2:52 PM

You forwarded this message on Wed 3/12/2025 8:24 AM

Template4_25XXX_GWS_NonS... 3 MB
FORM_Groundwater Substituti... 60 KB

Show all 3 attachments (3 MB) Save all to OneDrive - Regional Water Authority Save All Attachments

Hi All,

It is still uncertain whether we will have the capacity for transfer water this year. As part of our standard procedure, please find attached the draft 2025 Water Transfer Conveyance Agreement template for non-SWC buyers along with the monitoring and mitigation plans. If you have any comments, please let us know at your earliest convenience at swpwatertransfers@water.ca.gov.

For the 2025 Groundwater Substitution Transfer, DWR and Reclamation both agree with the following:
- Value of streamflow depletion factor (SDF) of no less than 20% in the year 2025. Entities with existing SDF greater than 20% will remain at the greater existing factor for 2025.
- All other requirements and recommendations listed in the 2019 Draft Technical Information for Preparing Water Transfer Proposals will remain applicable for water transfers in the year 2025.

Thank you.

En-Ching Hsu
Senior Engineer, Water Resources
Water Transfer Conveyance Unit
Division of Operations and Maintenance
Department of Water Resources
(916) 799-9776

DRAFT
Technical Information for Preparing Water Transfer Proposals

(Water Transfer White Paper)

Information for Parties Preparing Proposals for Water Transfers Requiring Department of Water Resources or Bureau of Reclamation Approval

December 2019

Prepared By:
CALIFORNIA DEPARTMENT OF WATER RESOURCES
AND
BUREAU OF RECLAMATION, CALIFORNIA-GREAT BASIN REGION

Today's Agenda

PROGRAM COMMITTEE MEETING—March 19, 2025

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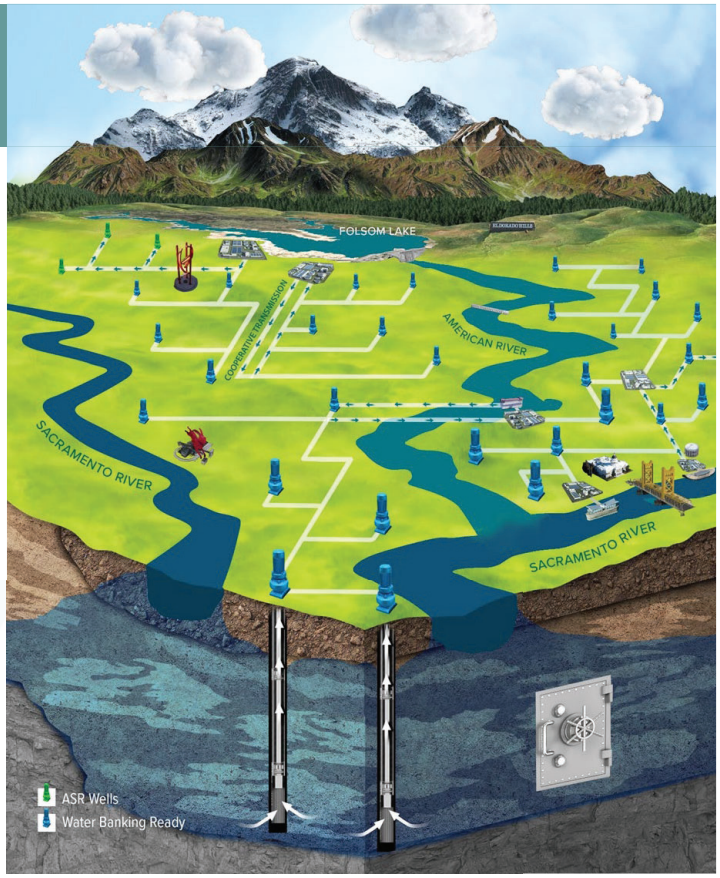
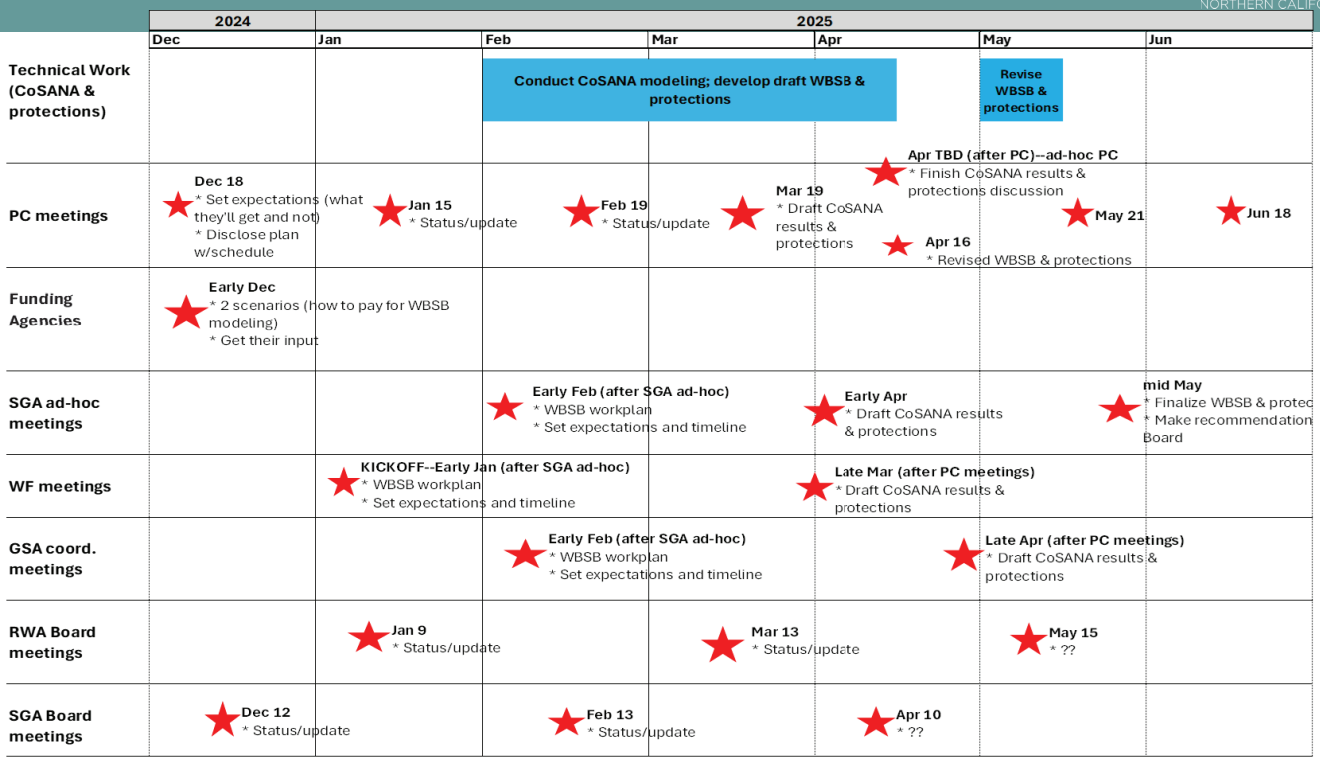


Water Bank Starting Balance

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

PROGRAM COMMITTEE MEETING—March 19, 2025



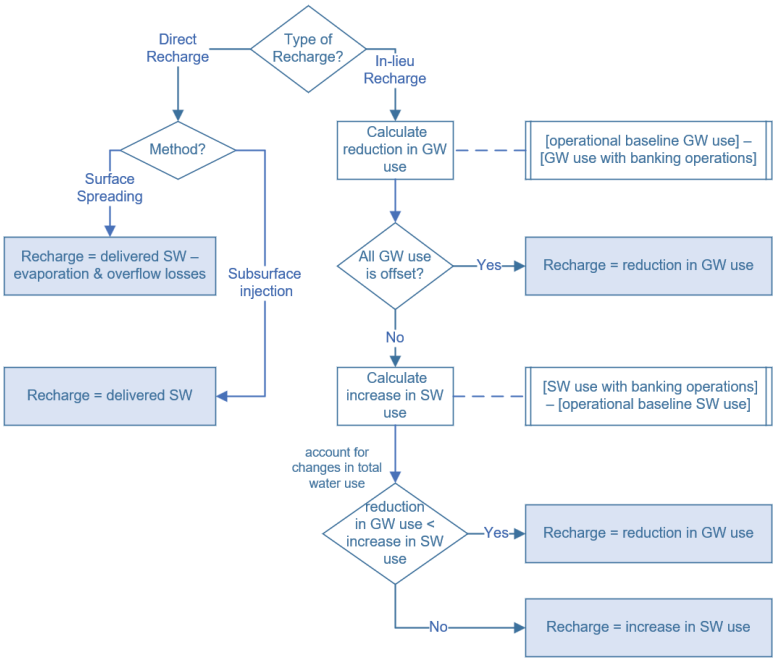
Water Bank Starting Balance

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

PROGRAM COMMITTEE MEETING—March 19, 2025

Task Updates

1. Legal Memorandum
2. Administrative & Funding
3. Coordination
   - Party of Five
   - Cal Am
   - FOWD and CHWD
4. Engagement
   - Future GSA and Water Forum briefings
   - SGA ad hoc meetings
5. Technical



Water Bank Starting Balance—Recognition Criteria

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Criteria for recognizing Starting Balance was approved during PC meeting on Sep 13, 2024

1. Documentation of prior conjunctive use and banking actions (e.g., WAF, accounting spreadsheet, etc.)
2. Consistent with recharge actions as defined under WAS (e.g., baseline, losses, and other provisions)
   - Losses would be applied to any previously banked water
3. Any groundwater substitution transfers since 2015 will be subtracted from previously banked water (i.e., unless already accounted for like those tracked in the WAF)
4. Not inconsistent with applicable GSP water budgets and GSP SMC (and annual updates)

There is a need to clarify the recognizing criteria to address a request by some agencies that did not demonstrate qualified banking actions:

- Should all agencies that contributed to groundwater sustainability (via conjunctive use practice or reliance on surface water) receive banked groundwater credits as they have invested in surface water and groundwater infrastructure to implement conjunctive use?

Water Bank Starting Balance—Clarification for Recognition Criteria

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

PROGRAM COMMITTEE MEETING—March 19, 2025

Should all agencies that contributed to groundwater sustainability (via conjunctive use practice or reliance on surface water) receive banked groundwater credits as they have invested in in surface water and groundwater infrastructure to implement conjunctive use?

- **Response:** Only entities that document direct or in-lieu recharge qualify for banked groundwater credits.
- **Explanation:** Conjunctive use—the coordinated management of groundwater and surface water—enhances water reliability and support sustainable use of resources. It qualifies as groundwater banking only when intentional recharge actions, either direct or in-lieu, have occurred per State and federal guidance and policies.
- In-lieu recharge occurs when surface water or alternative supplies replace baseline groundwater pumping. To receive banking credits, entities must document:
  1. Baseline groundwater pumping.
  2. Its replacement with surface water or alternative supplies.
- **Recommendation:** Contribution to groundwater sustainability without qualified banking actions is outside the scope of the Starting Balance process and should be addressed separately.

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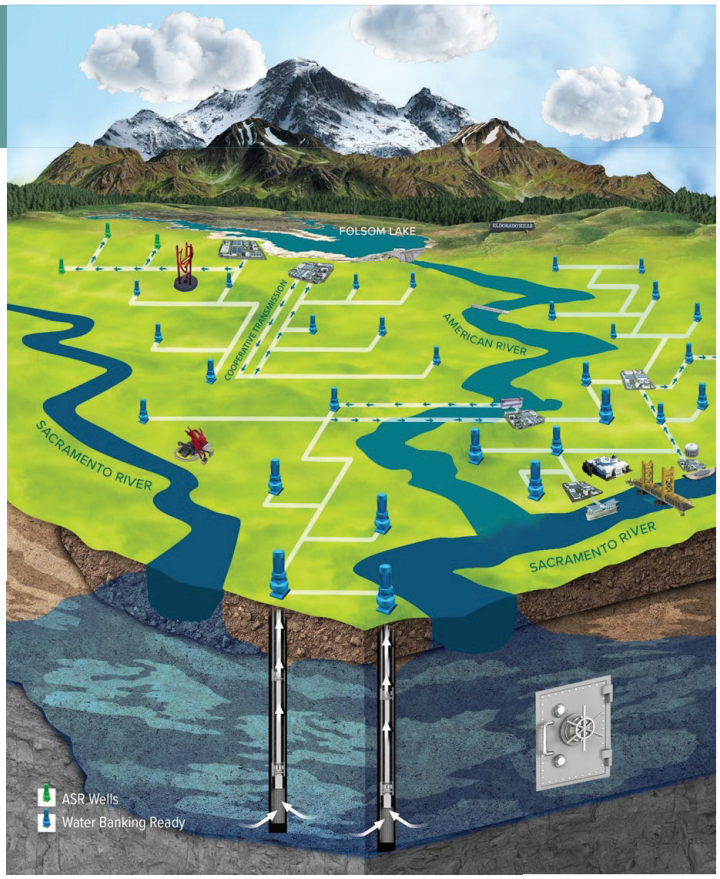


PROGRAM COMMITTEE MEETING—March 19, 2025

Sac Water Bank – WAS (Version 1)

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

The Water Accounting System is designed to establish consistent accounting procedures for all banking programs within the subbasins, including the Sac Water Bank, Harvest Water, and other current and future initiatives. Standardizing:

- Recharge and recovery accounting
- Tracking of banked water balances & losses
- Adaptive management
- Conflict resolution
- Reporting
- Coordination with GSAs

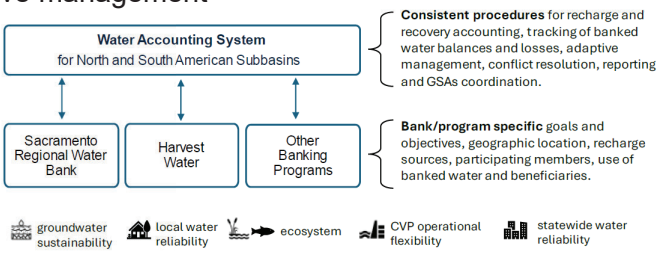
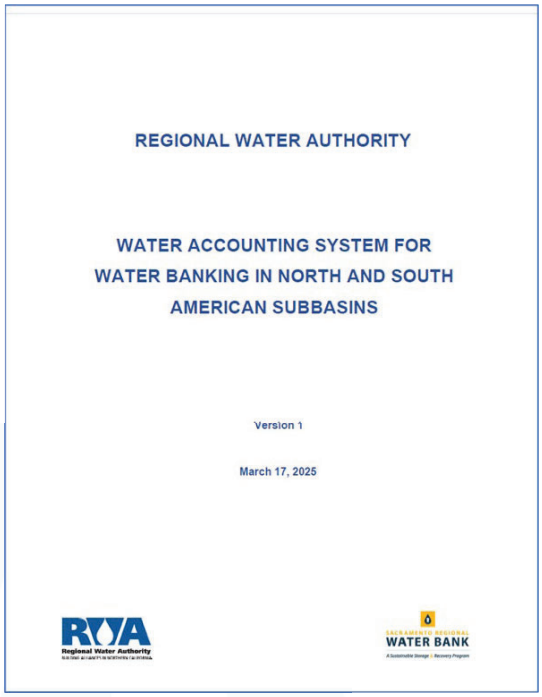


Figure 2. Water Accounting System Relationship to Banking Programs


REGIONAL WATER AUTHORITY

WATER ACCOUNTING SYSTEM FOR WATER BANKING IN NORTH AND SOUTH AMERICAN SUBBASINS

Version 1

March 17, 2025

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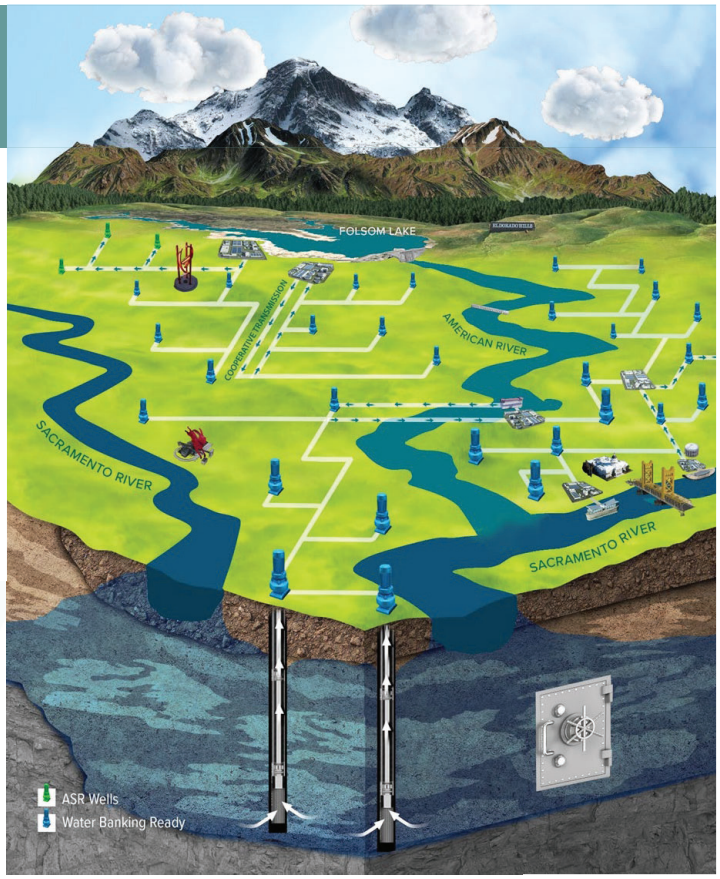

PROGRAM COMMITTEE MEETING—March 19, 2025

Monitoring Plan

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

SACRAMENTO REGIONAL WATER BANK

Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities

Purpose

This paper is one of a series of papers that introduce and describe the process and considerations related to the implementation of the Sacramento Regional Water Bank (Water Bank). These processes are aspects of Water Bank governance functions.

Background

Governance can be described as "the conceptual model for how an entity is managed, its interactions with and relationship to partners and affiliates, and identification of the operations and systems it oversees." Water Bank governance components include:

- **Vision and Strategy**: Goals, objectives, principles, and constraints
- **Structure**: Organizational framework, functions, and associated roles and responsibilities
- **Operations Support Tools**: Water accounting, monitoring, and reporting
- **Agreements and Finance**: Framework to incentivize water banking and codify roles and responsibilities for water banking

This paper focuses on the ***structure*** component of Water Bank governance. It outlines the required functions and activities to support successful implementation of the Water Bank, illustrates a general organizational framework to conduct these functions, and describes the associated roles and possibilities. This paper is intended to:

(1) Establish shared understanding and common terminology among the Water Bank Program Committee members and the Water Bank Development Team, and

(2) Help the Program Committee and the technical team maintain consistency in their ongoing engagements with other entities and stakeholders as part of the Water Bank development process.

This paper reflects feedback from the Program Committee on the draft *Governance: Roles and Responsibilities White Paper* (dated March 3, 2023). It also reflects additional input and feedback received during the Program Committee meetings on April 6 and April 10, 2023.

Required Functions and Activities

The required activities to support a successful Water Bank can be grouped into four functional areas:

(1) Policy and legal activities
(2) Operations activities
(3) Administrative activities

SACRAMENTO REGIONAL WATER BANK Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities 1 September 7, 2023

REGIONAL WATER AUTHORITY

WATER ACCOUNTING SYSTEM FOR WATER BANKING IN NORTH AND SOUTH AMERICAN SUBBASINS

Version 1

March 17, 2025

RWA Regional Water Authority
SACRAMENTO REGIONAL WATER BANK

SACRAMENTO REGIONAL WATER BANK

MONITORING PLAN

FOR GROUNDWATER BANKING IN THE NORTH AMERICAN AND SOUTH AMERICAN SUBBASINS

WORKING DRAFT — January 6, 2025

RWA Regional Water Authority
SACRAMENTO REGIONAL WATER BANK

Monitoring Plan—Outline and Objectives

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Sections

1. Introduction
2. Monitoring Well Network
3. Groundwater Level Monitoring
4. Groundwater Quality Monitoring
5. Groundwater Pumping Measurements
6. SGMA GSP Monitoring
7. Roles and Responsibilities
8. Evaluation and Reporting

Proposed Objectives

- Accurately track the effectiveness of the Sac Water Bank through surface water diversions and the quantity of groundwater pumped, consistent with the Water Accounting System (WAS).
- Comply with federal and State guidelines, GSPs for the basins/subbasins, and local ordinances.
- Coordinate with GSAs with other agencies with established groundwater projects and programs in the NASb and SASb.
- Implement the monitoring plan consistent with other Sac Water Bank documents (i.e. GOPC, Governance, WAS, and others)

PROGRAM COMMITTEE MEETING—March 19, 2025

Monitoring Plan—Requirements

Regional Water Authority
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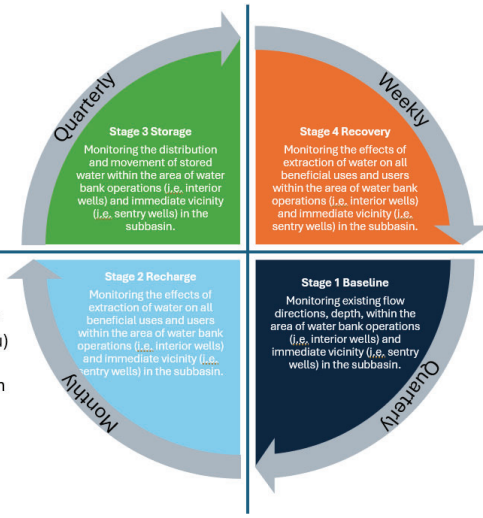
Cycle of Water Bank Operations
& Groundwater Level Monitoring Frequency

Stage 3 Storage
Post-Water Bank recharge operations, Pre-Water Bank recovery operations.

State 4 Recovery
Recovering previously stored water from the subbasin through an increased use of groundwater and corresponding decreased use surface water.

Stage 2 Recharge
Direct recharging or passively (i.e. in-lieu) recharging the subbasin through an increased use of surface water and corresponding decreased use of groundwater.

Stage 1 Baseline
Pre-Water Bank recharge operations, post-Water Bank recharge operations.



Draft - Subject to change

DRAFT
Technical Information
for Preparing Water Transfer Proposals

(Water Transfer White Paper)

Information for Parties Preparing Proposals
for Water Transfers
Requiring Department of Water Resources or
Bureau of Reclamation Approval

December 2019

Prepared By:
CALIFORNIA DEPARTMENT OF WATER RESOURCES
AND
BUREAU OF RECLAMATION, CALIFORNIA-GREAT BASIN REGION

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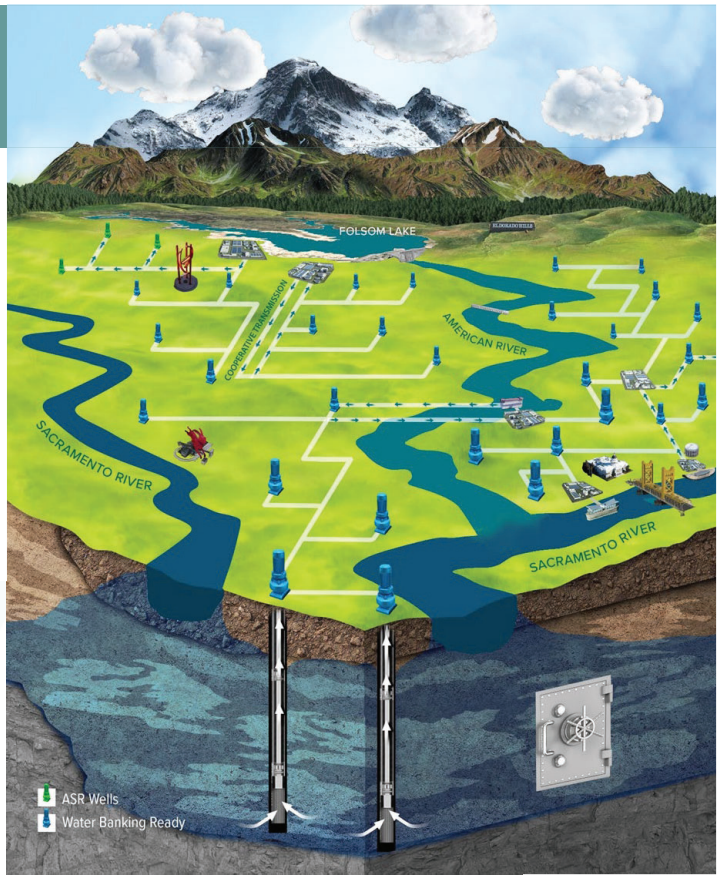

Agency Operational Baseline and Recharge/ Recovery Capacity

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

- Agency-specific **operational baseline,** and estimated **recharge** and **recovery** capacities, were developed and verified with each PC member in early 2024.
- PC members can **collectively meet the planned Water Bank operations of up to 65/55 TAF/year**.

Agency-Specific Assumptions for Water Bank Operations

RWA Regional Water Authority — WATER BANK — A Sustainable Storage & Recovery Program

District	CoSANA District ID	CalSim Demand Units	Typical Water Use
Carmichael	CWD	26N_NU2	SW-GW

Baseline Data

Actual 2019 - Wet Year Use (TAF)

GW	SW	Total	GW %	SW %
2.16	6.05	8.22	26%	74%

Actual 2022 - Dry Year Use (TAF)

GW	SW	Total	GW %	SW %
5.18	3.42	8.60	60%	40%

GSPs Current Conditions - Wet Year Use (TAF)

GW	SW	Total	GW %	SW %
2.00	6.98	8.98	22%	78%

GSPs Current Conditions - Dry Year Use (TAF)

GW	SW	Total	GW %	SW %
2.32	6.67	8.98	26%	74%

Agency WB Baseline - Wet Year Use (TAF)

GW	SW	Total	GW %	SW %
2.01	7.19	9.20	22%	78%

Agency WB Baseline - Dry Year Use (TAF)

GW	SW	Total	GW %	SW %
2.42	6.78	9.20	26%	74%

Water Bank - Existing Infrastructure Scenario

Wet Year - Recharge Action (TAF)

Additional SW Use	Required Improvements
1.65	Existing capacity
Source	Yes

Dry Year - Recovery Action (TAF)

Additional GW Use	Required Improvements
6.89	Existing capacity
Source	0

Agency Wet Year Use with WB Recharge (TAF)

GW	SW	Total	GW %	SW %
0.36	8.84	9.20	4%	96%

Agency Dry Year Use with WB Recovery (TAF)

GW	SW	Total	GW %	SW %
9.31	0.00	9.31	100%	0%

Water Bank - Future Improvements Scenario

Wet Year - Recharge Action (TAF)

Additional SW Use	Required Improvements
4.45	NA
Source	Bajamont,

Dry Year - Recovery Action (TAF)

Additional GW Use	Required Improvements
6.89	NA
Source	Self-Produced,

Agency Wet Year Use with WB Recharge (TAF)

GW	SW	Total	GW %	SW %
0.00	11.64	11.64	0%	100%

Agency Dry Year Use with WB Recovery (TAF)

GW	SW	Total	GW %	SW %
9.31	0.00	9.31	100%	0%

Historical Water Use (TAF)

SRI Year Type	Calendar Year	GW	SW	Total	GW%	SW%
Wet	2011	1.47	7.85	9.32	16%	84%
Below Normal	2012	1.58	8.31	9.89	16%	84%
Dry	2013	2.03	8.37	10.40	20%	80%
Critical	2014	3.42	2.44	5.86	58%	42%
Critical	2015	2.54	0.00	2.54	100%	0%
Below Normal	2016	1.19	0.00	1.19	100%	0%
Wet	2017	2.38	5.90	8.28	29%	71%
Below Normal	2018	2.71	5.66	8.38	32%	68%
Wet	2019	2.16	6.05	8.22	26%	74%
Dry	2020	4.16	5.02	9.18	45%	55%
Critical	2021	3.78	4.99	8.77	43%	57%
Critical	2022	5.18	3.42	8.60	60%	40%
Wet	2023					

Assumptions

Water Demand:	Reflects 2020 UWMP.
Operational Baseline:	Consistent with GSP current conditions water budget assumption.
Recharge Actions:	Joint SW-GW use. Potential participation via direct recharge of up to 2,400 gpm (3 ASR wells).
Recharge Enabling Activities:	N/A
Recovery Action:	Joint SW-GW use. Potential participation by
Recovery Enabling Activities:	N/A

Note: Internal working draft information -- for SRWB Program Committee Use only -- do not distribute.
Updated - Mar 21, 2024

Estimated Recharge and Recovery Capacity

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Existing Recharge Capacity = 65.4 TAF/year

SW Reliant Agencies

District	Agency Type	Recharge	Recovery
City_of_Folsom	SW Reliant	0.0	0.0
Rocklin	SW Reliant	0.0	0.0
Roseville	SW Reliant	7.0	0.0
San_Juan_Retail	SW Reliant	0.0	0.0
EID	SW Reliant	0.0	0.0
	Subtotal	7.0	0.0

GW Reliant Agencies

District	Agency Type	Recharge	Recovery
CalAm_Antelope	GW Reliant	2.2	0.0
CalAm_Parkway	GW Reliant	1.5	0.0
CalAm_SubRosemont	GW Reliant	1.0	0.0
Elk_Grove_ServiceArea1	GW Reliant	1.5	0.0
Sac_Suburban_North	GW Reliant	15.7	0.0
Sac_Suburban_South	GW Reliant	11.6	0.0
SCWA_Arden	GW Reliant	0.0	0.0
	Subtotal	33.4	0.0

Existing Recovery Capacity = 62.2 TAF/year

SW & GW Joint Use Agencies

District	Agency Type	Recharge	Recovery
CalAm_Lincoln_Oaks	SW-GW	1.0	0.0
Carmichael	SW-GW	1.7	6.9
Citrus_Heights	SW-GW	0.7	4.7
Elk_Grove_ServiceArea2	SW-GW	0.0	0.0
Fair_Oaks	SW-GW	0.0	2.7
GSWC_Cordova	SW-GW	5.0	7.2
Lincoln	SW-GW	2.0	2.3
Sacramento	SW-GW	10.0	20.1
SCWA_Laguna_Vineyard	SW-GW	2.8	13.9
SCWA_Mather	SW-GW	1.8	4.4
	Subtotal	25.0	62.2

Agency Opportunities for Participation in the Water Bank

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

PROGRAM COMMITTEE MEETING—March 19, 2025

	Surface Water Reliant Agency	Groundwater Reliant Agency	SW & GW Joint Use Agency
In-lieu Recharge	☒	☑	☑
Direct Recharge	☑	☑	☑
Recovery	☑	☒	☑

	Agency Provides Surface Water to Other Agencies	Agency Provides Treatment	Agency Provides Wheeling
Enabling Recharge	e.g., EID, Folsom, PCWA, SJWD, Sac, SCWA	e.g., Folsom, Sac, SCWA, SJWD	e.g., CTP, Sac, SCWA

	Agency Recover Groundwater for Use by Other Agencies	Agency Provides Wheeling
Enabling Recovery	e.g., SCWA to Sac, SSWD to Sac, SSWD to SJWD	e.g., CTP

Financial Agreements/Conjunctive Use BMPs

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Financial Agreements

Subtask 5.1 – Financial Analysis
This subtask will develop a financial analysis tool to assess potential long-term net returns. The financial model inputs will include (1) investments (e.g., operations and maintenance (O&M) costs for banking and wheeling), and (2) revenues (e.g., value of water for different uses and under different year types). The financial model will be used to assess financial feasibility of water markets under different payment and fee structures (long-term, short-term, spot market). The financial model will be used to assess phasing of investments and water markets. The financial model will also be used to assess scenarios for bridging the differences in cost between surface water and groundwater, which are currently a barrier to expanding regional conjunctive use.

Deliverables
- Financial Analysis TM

Financial Question

What financial constraints or issues prevent or impede agencies from achieving the 65/55?

Conjunctive Use BMPs

Subtask 4.1 – Best Management Practices for Conjunctive Use Implementation
To support expansion of conjunctive use in the region, this task will develop a set of best management practices that covers a range of operational, hydrogeological, technical, and public engagement issues that may face the Participating Agencies. These best management practices will be developed in consultation with agencies in the region with a history of conjunctive operations to document lessons learned. These lessons learned will provide the basis for articulating best management practices that covers topics such as: (1) monitoring and managing for effects of introducing surface water (or groundwater) into a public distribution system that relied historically on a single supply source, (2) addressing public concerns resulting from changes in water quality characteristics (e.g., hardness or taste), (3) monitoring and management of rising groundwater levels (mounding), etc.

Deliverables
- Best Management Practices for Conjunctive Use Implementation TM

Operational Question

What operational constraints or issues prevent or impede agencies from achieving the 65/55?

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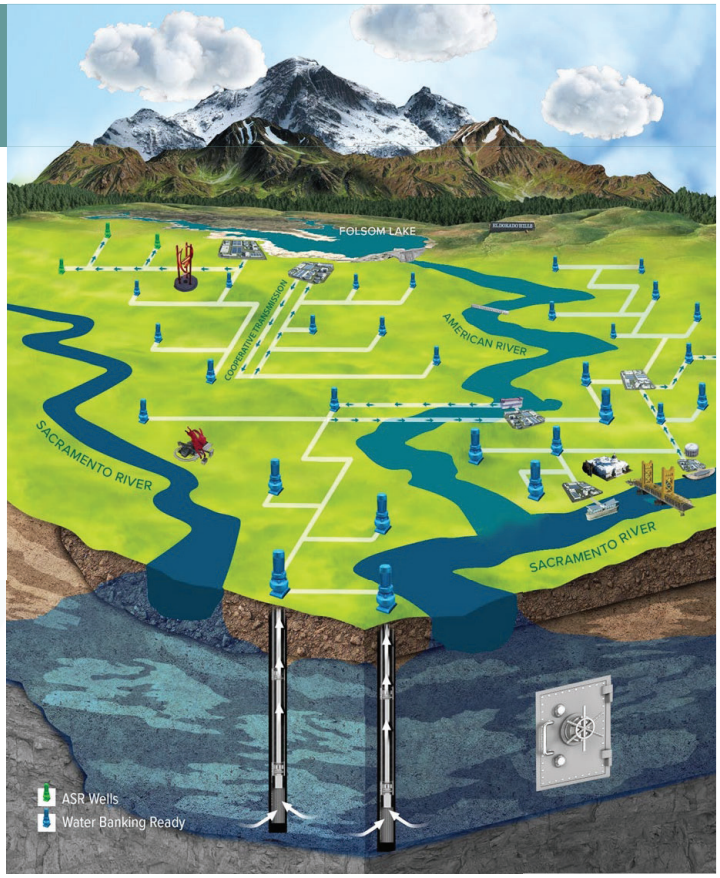
  - Financial Agreements/Conjunctive Use BMPs
- **Reclamation Engagement**
- Water Bank Project Budget and Funding
- Recap, Action Items, Next Steps



Today's Agenda

- Introductions
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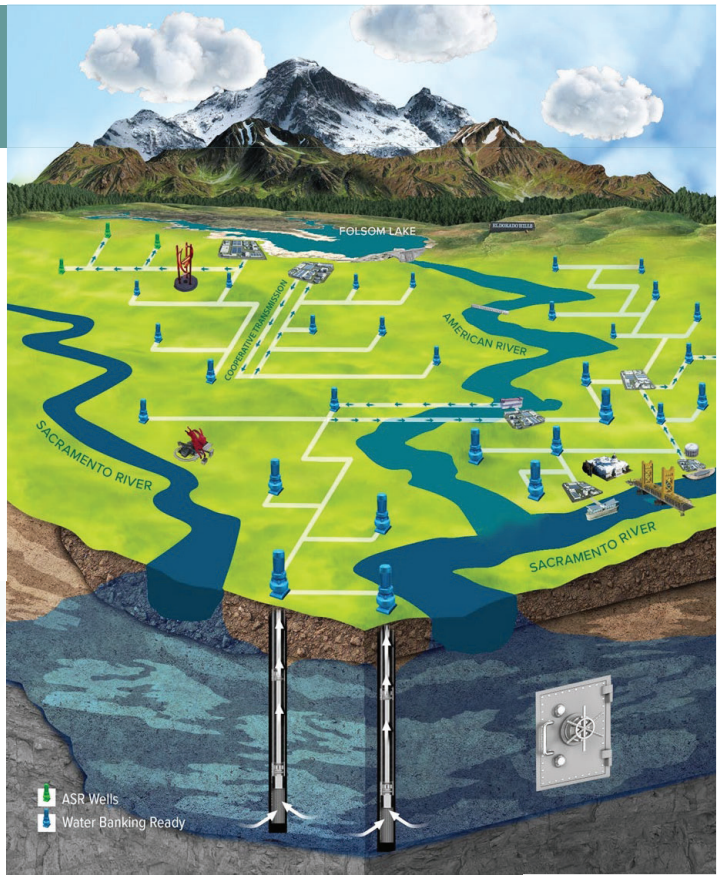


PROGRAM COMMITTEE MEETING—March 19, 2025

Budget and Funding Update

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Completed Tasks

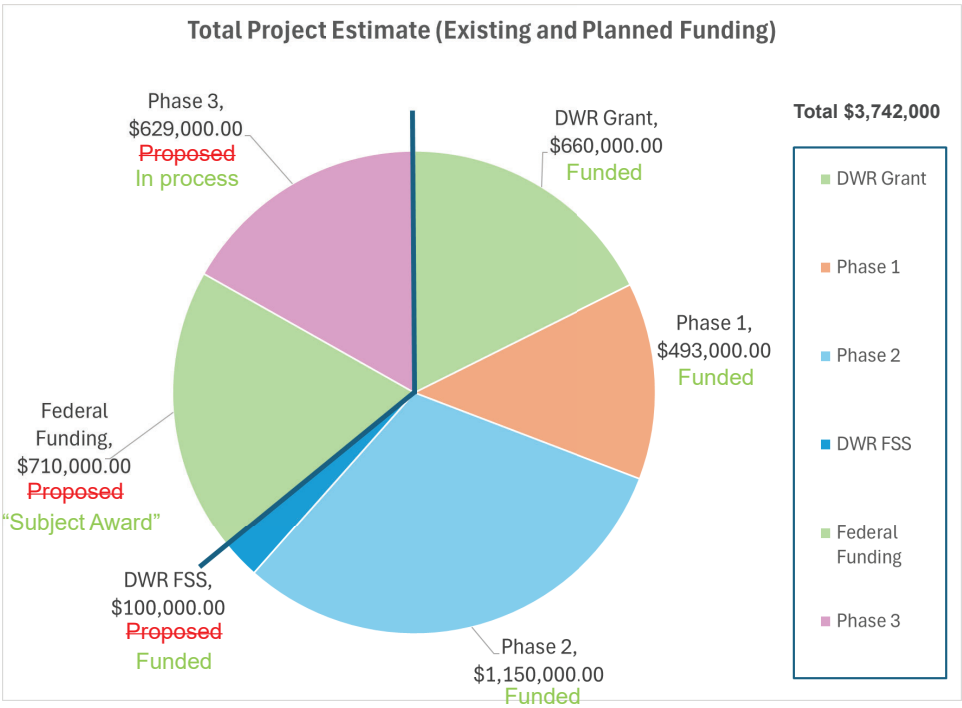
- GOPC
- Governance
- Model Updates/Data Improvements
- Water Accounting System

Ongoing Tasks

- Stakeholder Engagement/Communications
- Modeling—Preliminary Baseline
- CEQA/NEPA strategy—Project Description/NOP

Future Tasks

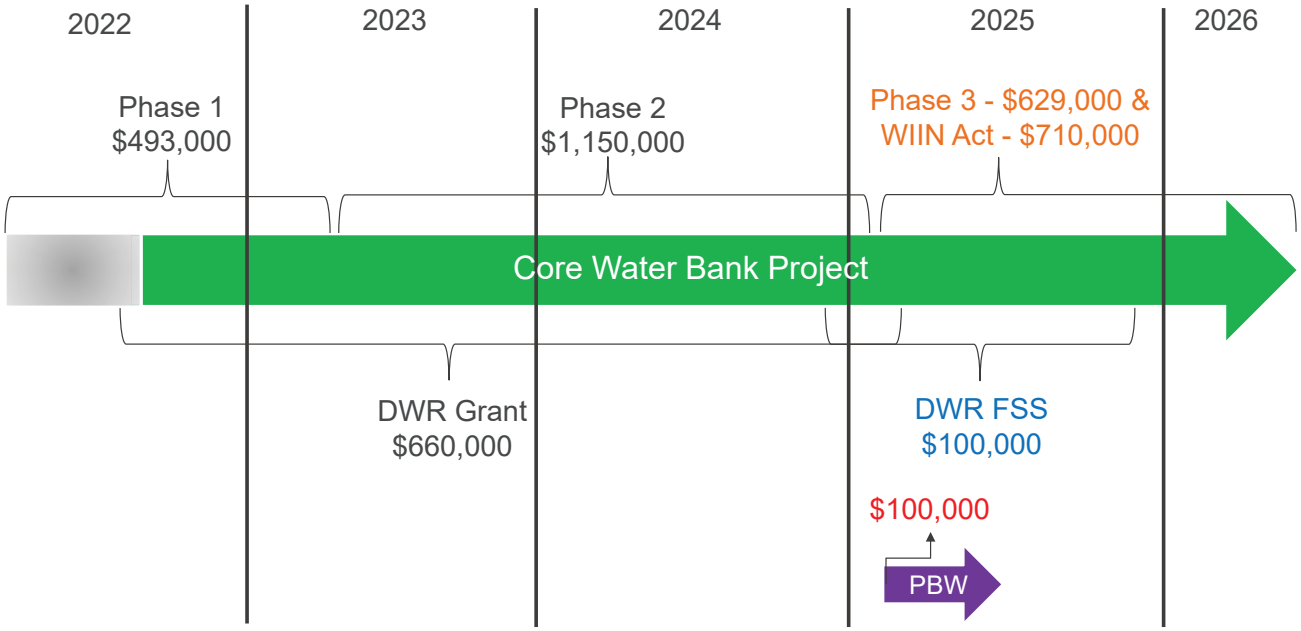
- CEQA/NEPA analysis
- Modeling—Updated Baseline and Water Bank Scenarios
- Temperature Modeling
- Financial Agreements
- Conjunctive Use BMPs
- Federal Acknowledgement



Budget Status Update—Federal Funding Request

- Program Committee supported WIIN application (February 21, 2024)
- RWA Board supported submission of WIIN funding application to USBR (March 14, 2024)
- RWA staff has been working with USBR staff on supporting application questions and request for information since April!
- USBR informs RWA of approximated Federal costs of $710K! (August 2024)
- RWA staff works with USBR to provide revised SOW, costs, and address contractual and procurement requirements (July through November 2024)
- USBR informs RWA staff of 'subject award" (in confetti email) pending completion of final requirements and information (Dec 17, 2024)
- Continue to provide USBR updated forms and other info (Jan/Mar 2025)

Water Bank Funding



Note: Timeline and expenditure dates are approximated

Phase 3 Funding Agreement

Tasks provide for a continuation of activities initiated in the Phase 2 agreement and/or DWR 2022 Urban Drought Grant or represent new tasks necessary to advance the completion of the Water Bank.

Work Category 1: Technical Activities

- Develop and Analyze Preliminary Water Bank Scenarios
- Develop Consistent CalSim-CoSANA Baselines
- Ongoing Modeling Support
- Water Accounting System
- Best Management Practices (BMPs) for Conjunctive Use Implementation
- Financial Analysis

Work Category 2: Environmental Activities

- CEQA/NEPA Scoping/Rescoping
- CEQA/NEPA Documents

Work Category 3: Institutional Activities

- Governance
- Legal Support

Work Category 4: Miscellaneous Activities

- Program Committee Support
- United States Bureau of Reclamation (USBR) Engagement and Coordination

REGIONAL WATER AUTHORITY
PROGRAM AGREEMENT

SACRAMENTO REGIONAL WATER BANK, PHASE 3

This Agreement is made and entered into as of the _____ day of _____, 2024, by and between the Regional Water Authority ("RWA"), a joint exercise of powers authority formed under California Government Code section 6500, and following, and the Members and Contracting Entities of RWA listed in Exhibit 1 to this Agreement, upon their execution of this Agreement (who are collectively referred to in this Agreement as "Program Committee" or "Program Committee Agency(ies)"), to provide for carrying out a Project or Program that is within the authorized purposes of RWA, and sharing in the cost and benefits by Program Committee Agencies.

RECITALS

A. RWA is a joint powers authority, formed to serve and represent regional water supply interests and to assist its members in protecting and enhancing the reliability, availability, affordability and quality of water resources.

B. The joint powers agreement ("RWA JPA") pursuant to which RWA was formed and operates, and as was amended on October 8, 2013, authorizes RWA to enter into a "Project or Program Agreement," which is defined in the RWA JPA as an agreement between RWA and two or more of its Members or Contracting Entities to provide for carrying out a Project or Program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the parties to the Project or Program Agreement.

C. Article 21 of the RWA JPA states: "The Regional Authority's projects are intended to facilitate and coordinate the development, design, construction, rehabilitation, acquisition or financing of water-related facilities (including sharing in the cost of federal, State or local projects) on behalf of Members and/or Contracting Entities. The Regional Authority may undertake the development, design, construction, rehabilitation, acquisition or funding of all or any portion of such projects on behalf of Members and/or Contracting Entities in the manner and to the extent authorized by such Members and/or Contracting Entities as provided in this Agreement, but shall not accomplish these functions, nor acquire or own water-related facilities in its own name."

D. Article 22 of the RWA JPA states: "Prior to undertaking a project or program, the Members and/or Contracting Entities who elect to participate in a project or program shall enter into a Program or Program Agreement. Thereafter, all assets, benefits and obligations attributable to the project shall be assets, benefits and obligations of those Members and/or Contracting Entities that have entered into the Project or Program Agreement. Any debts, liabilities, obligations or indebtedness incurred by the Regional Authority in regard to a particular project or program, including startup costs advanced by the Regional Authority, shall be obligations of the

Water Bank Phase 3 Program Agreement 29Aug24

Estimated Budget by Work Category

	Base	Contingency (20%)
Work Category 1: Technical Activities	$250,000	$50,000
Work Category 2: Environmental Activities	$250,000	$50,000
Work Category 3: Institutional Activities	$45,000	$9,000
Work Category 4: Miscellaneous Activities	$84,000	$16,800
Not-to-Exceed Total	$629,000	$125,800

Phase 3 Funding Status

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

PROGRAM COMMITTEE MEETING—March 19, 2025

	Initial Communication to RWA			Status of Payment and Agreement		
Program Committee Agency	Base	Assumed Confirmed	Status	Paid Amount	Agreement Signed by Agency	Remaining Action Items/Comments
California American Water	$30,600	X	Planning to support funding request			
Carmichael Water District	$27,800	X	Complete	$27,800	X	No Additional Actions Required
Citrus Heights Water District	$33,400	X	included in budget for 2025			
City of Folsom	$22,300	X	Complete	$22,300	X	No Additional Actions Required
City of Lincoln	$13,900	X	Plan to take in front of Board	$13,900	X	RWA returned signed copy
City of Roseville	$30,600	X	Plan to take in front of Council			
City of Sacramento	$105,800	X	Plan to take in front of Council			
El Dorado Irrigation District	$13,900	X	Complete	$13,900	X	RWA returned signed copy
El Dorado Water Agency	$8,400	X	Plan to take in front of Board			
Elk Grove Water District	$13,900		Holding until previously banked water further defined.			
Fair Oaks Water District	$33,400	X	Planning to support funding request			
Golden State Water Company	$66,800	X	Planning to support funding request			
Placer County	$5,600	X	Planning to support funding request			
Placer County Water Agency	$22,300	X	Plan to take in front of Board	$22,300		
Sacramento County Water Agency	$66,800	X	Plan to take in front of Board			
Sacramento Sewer	$30,600	X	Planning to support funding request			
Sacramento Suburban Water District	$77,900	X	Complete	$77,900	X	RWA to return signed copy
San Juan Water District	$33,400	X	Plan to take in front of Board			
	629000+8400	553900+8400		$178,100		

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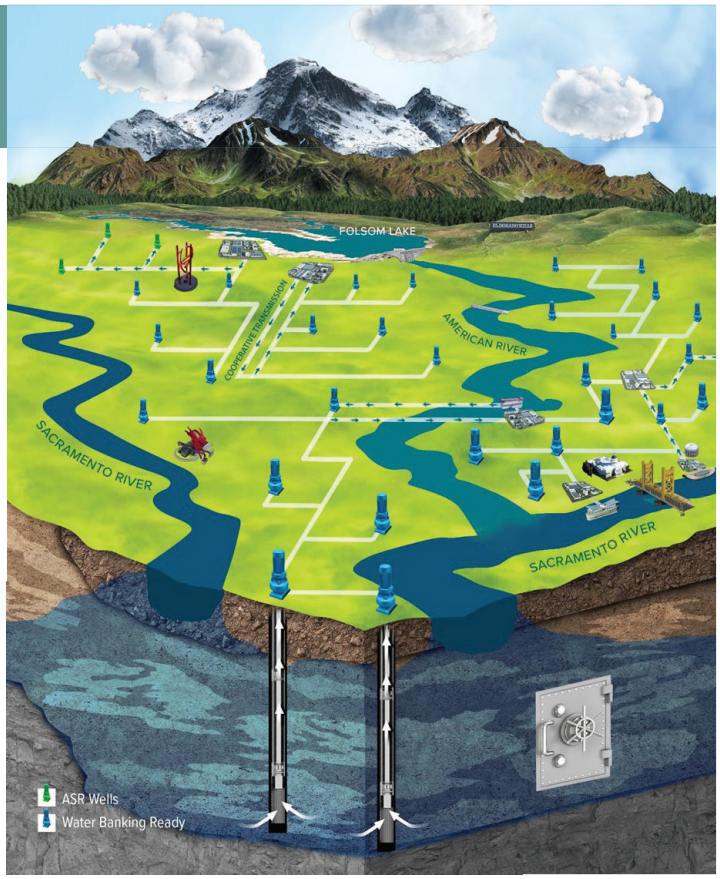
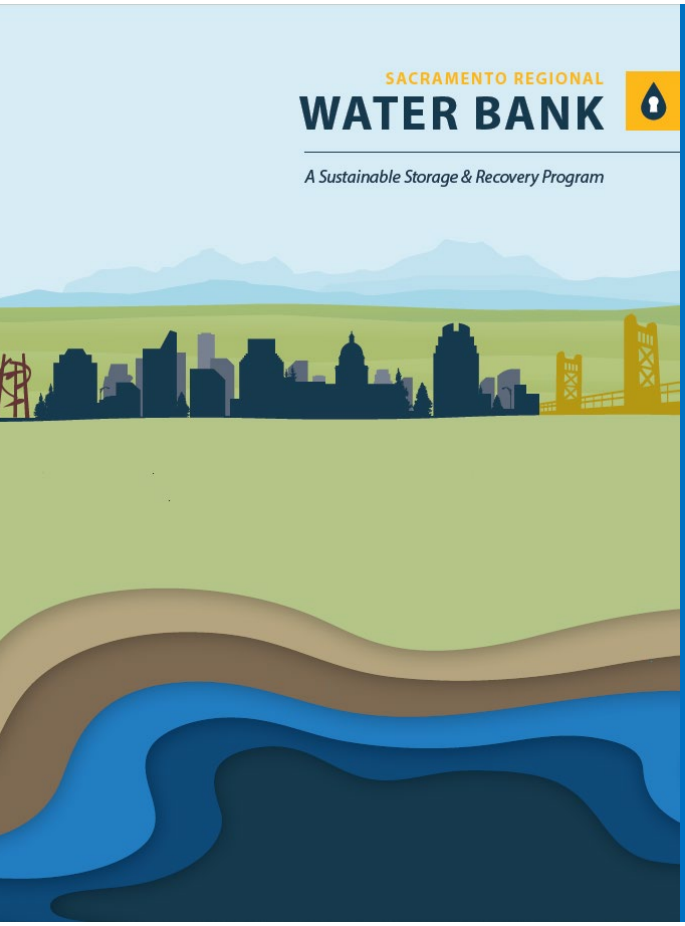


PROGRAM COMMITTEE MEETING—March 19, 2025

Water Bank—Project Benefits and Outcomes

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Federal Acknowledgement Enables (1) any CVP contract supply to be banked outside the service area of that contractor, and (1) recovery of that supply by CVP and non-CVP contractors	**Environmental Compliance** Through CEQA and NEPA documents, evaluates (1) expansion of existing conjunctive use, and (2) Reclamation acknowledgement of Water Bank	**Water Accounting System** Accommodates multiple accounts that support all participating agencies and GSAs
External Partners Through pilot opportunities, establishes relationships and develops institutional knowledge with external partners Supports securing long-term agreements that provide consistent and reliable benefits to the region	**Surface Water/ Groundwater Interaction** Advances science and understanding of both accretion and depletions associated with water banking operations	**Financial Agreements** Develops framework to encourage broad, active, and beneficial implementation of conjunctive use by all participating agencies



Sacramento Regional Water Bank – SGA Board Update

April 10, 2025

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

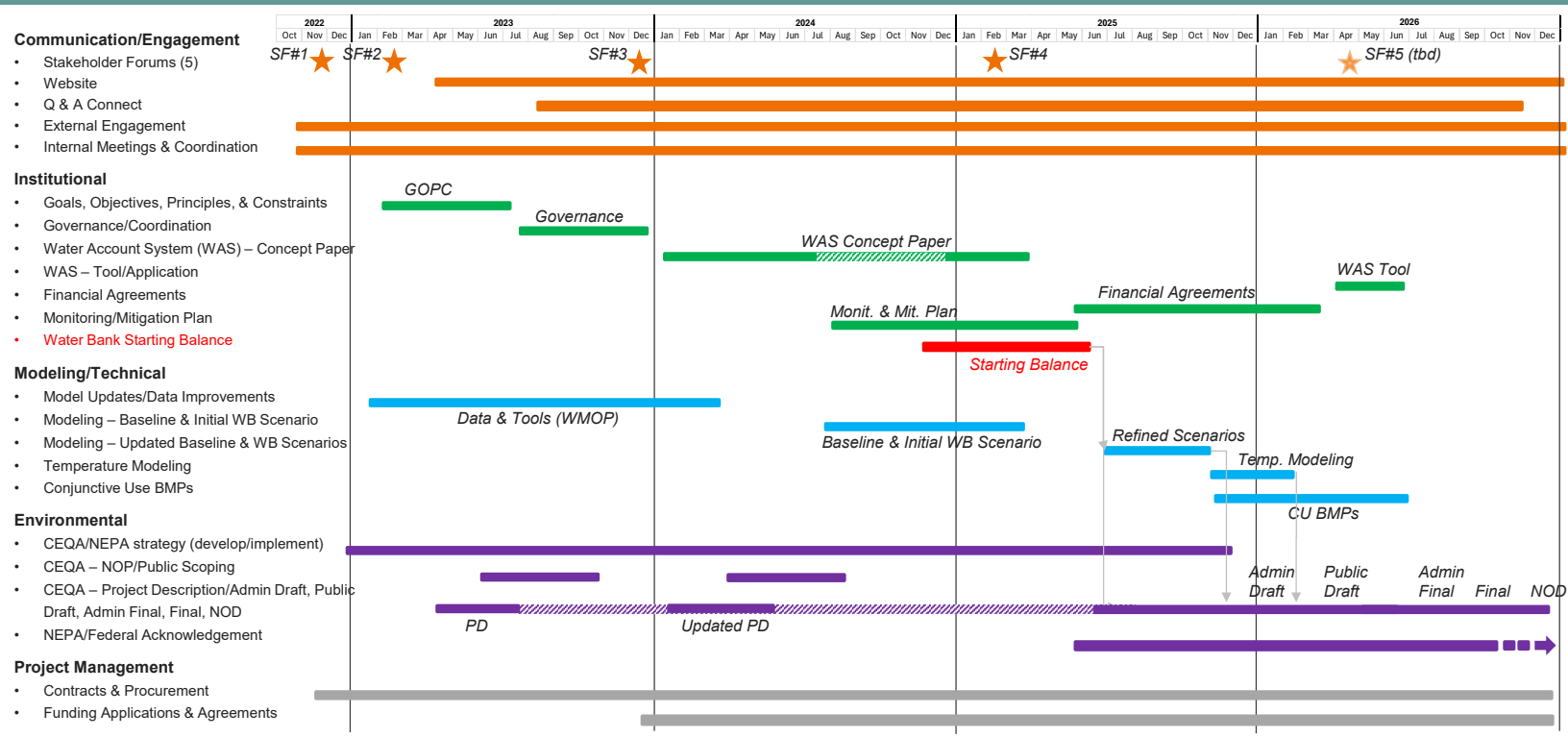
BUREAU OF RECLAMATION

DEPARTMENT OF WATER RESOURCES STATE OF CALIFORNIA

Water Bank Project— Tasks/Activities/Deliverables

Subject to change

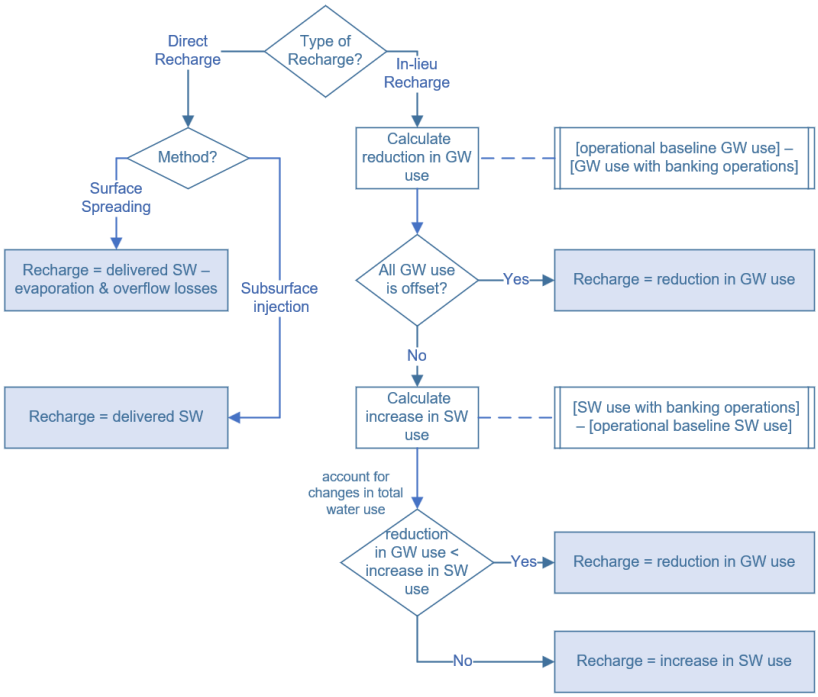
Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA



Water Bank Starting Balance

Task Updates

1. Legal Memorandum
2. Administrative & Funding
3. Coordination
   - Party of Five
   - Cal Am
   - FOWD and CHWD
4. Engagement
   - Future GSA and Water Forum briefings
   - SGA ad hoc meetings
5. Technical



Water Bank Starting Balance—Recognition Criteria

Criteria for recognizing Starting Balance was approved during PC meeting on Sep 13, 2024

1. Documentation of prior conjunctive use and banking actions (e.g., WAF, accounting spreadsheet, etc.)
2. Consistent with recharge actions as defined under WAS (e.g., baseline, losses, and other provisions)
   - Losses would be applied to any previously banked water
3. Any groundwater substitution transfers since 2015 will be subtracted from previously banked water (i.e., unless already accounted for like those tracked in the WAF)
4. Not inconsistent with applicable GSP water budgets and GSP SMC (and annual updates)

There is a need to clarify the recognizing criteria to address a request by some agencies that did not demonstrate qualified banking actions:

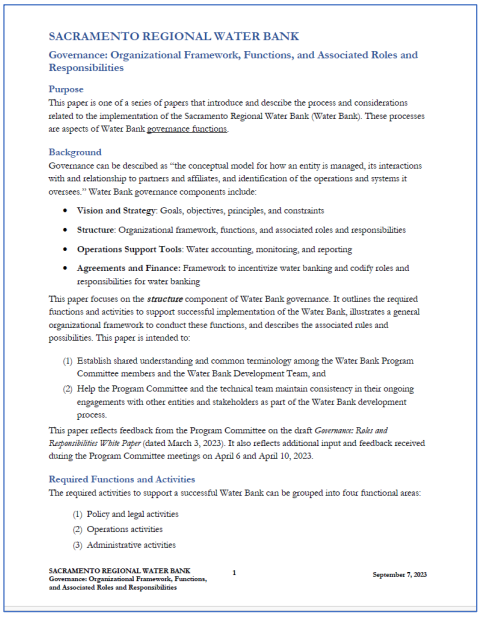
- Should all agencies that contributed to groundwater sustainability (via conjunctive use practice or reliance on surface water) receive banked groundwater credits as they have invested in surface water and groundwater infrastructure to implement conjunctive use?

Water Bank Starting Balance—Clarification for Recognition Criteria

Should all agencies that contributed to groundwater sustainability (via conjunctive use practice or reliance on surface water) receive banked groundwater credits as they have invested in in surface water and groundwater infrastructure to implement conjunctive use?

- **Response:** Only entities that document direct or in-lieu recharge qualify for banked groundwater credits.
- **Explanation:** Conjunctive use—the coordinated management of groundwater and surface water—enhances water reliability and support sustainable use of resources. It qualifies as groundwater banking only when intentional recharge actions, either direct or in-lieu, have occurred per State and federal guidance and policies.
- In-lieu recharge occurs when surface water or alternative supplies replace baseline groundwater pumping. To receive banking credits, entities must document:
  1. Baseline groundwater pumping.
  2. Its replacement with surface water or alternative supplies.
- **Recommendation:** Contribution to groundwater sustainability without qualified banking actions is outside the scope of the Starting Balance process and should be addressed separately.

Monitoring Plan



SACRAMENTO REGIONAL WATER BANK

Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities

Purpose

This paper is one of a series of papers that introduce and describe the process and considerations related to the implementation of the Sacramento Regional Water Bank (Water Bank). These processes are aspects of Water Bank governance functions.

Background

Governance can be described as "the conceptual model for how an entity is managed, its interactions with and relationship to partners and affiliates, and identification of the operations and systems it oversees." Water Bank governance components include:

- **Vision and Strategy**: Goals, objectives, principles, and constraints
- **Structure**: Organizational framework, functions, and associated roles and responsibilities
- **Operations Support Tools**: Water accounting, monitoring, and reporting
- **Agreements and Finance**: Framework to incentivize water banking and codify roles and responsibilities for water banking

This paper focuses on the ***structure*** component of Water Bank governance. It outlines the required functions and activities to support successful implementation of the Water Bank, illustrates a general organizational framework to conduct these functions, and describes the associated roles and possibilities. This paper is intended to:

(1) Establish shared understanding and common terminology among the Water Bank Program Committee members and the Water Bank Development Team, and

(2) Help the Program Committee and the technical team maintain consistency in their ongoing engagements with other entities and stakeholders as part of the Water Bank development process.

This paper reflects feedback from the Program Committee on the draft *Governance: Roles and Responsibilities White Paper* (dated March 3, 2023). It also reflects additional input and feedback received during the Program Committee meetings on April 6 and April 10, 2023.

Required Functions and Activities

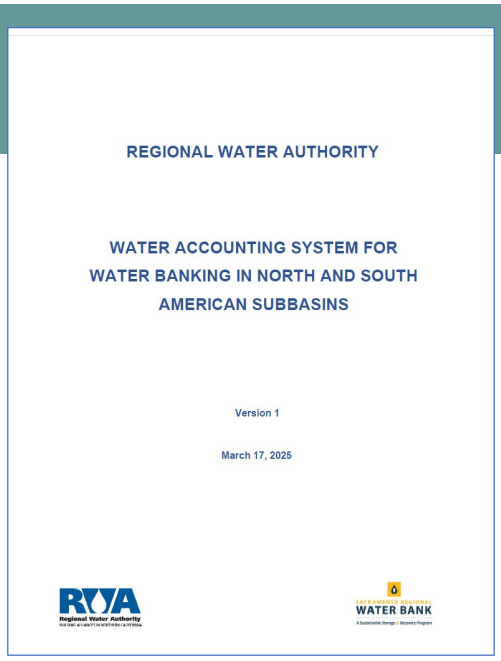
The required activities to support a successful Water Bank can be grouped into four functional areas:

(1) Policy and legal activities

(2) Operations activities

(3) Administrative activities

SACRAMENTO REGIONAL WATER BANK Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities 1 September 7, 2023

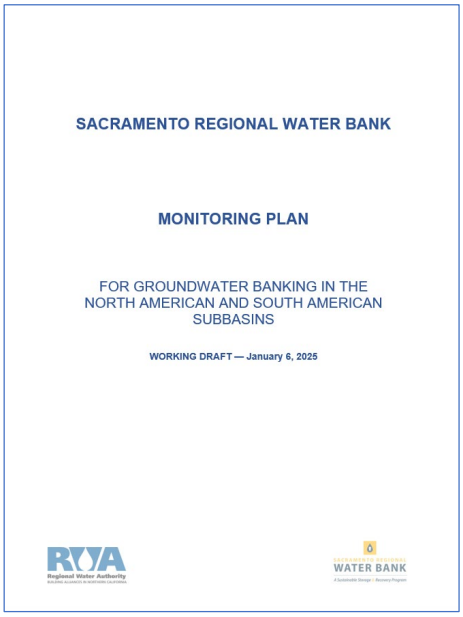


REGIONAL WATER AUTHORITY

WATER ACCOUNTING SYSTEM FOR WATER BANKING IN NORTH AND SOUTH AMERICAN SUBBASINS

Version 1

March 17, 2025



SACRAMENTO REGIONAL WATER BANK

MONITORING PLAN

FOR GROUNDWATER BANKING IN THE NORTH AMERICAN AND SOUTH AMERICAN SUBBASINS

WORKING DRAFT — January 6, 2025

Sac Water Bank – WAS (Version 1)

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The Water Accounting System is designed to establish consistent accounting procedures for all banking programs within the subbasins, including the Sac Water Bank, Harvest Water, and other current and future initiatives. Standardizing:

- Recharge and recovery accounting
- Tracking of banked water balances & losses
- Adaptive management
- Conflict resolution
- Reporting
- Coordination with GSAs

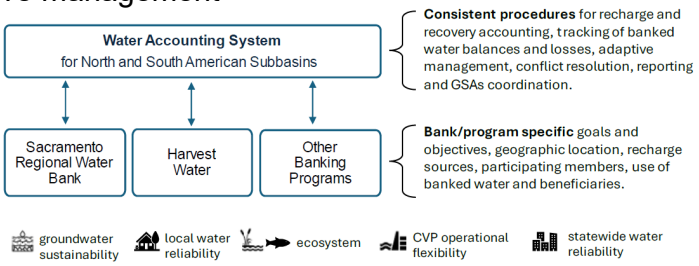
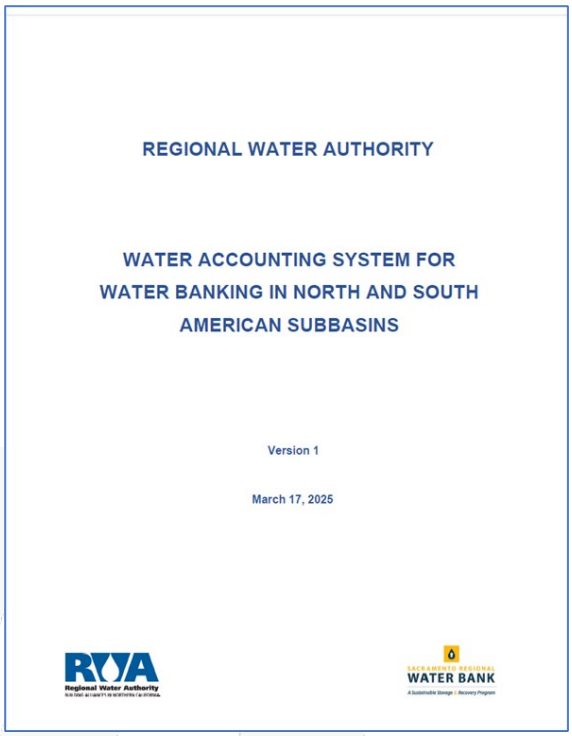


Figure 2. Water Accounting System Relationship to Banking Programs


REGIONAL WATER AUTHORITY

WATER ACCOUNTING SYSTEM FOR WATER BANKING IN NORTH AND SOUTH AMERICAN SUBBASINS

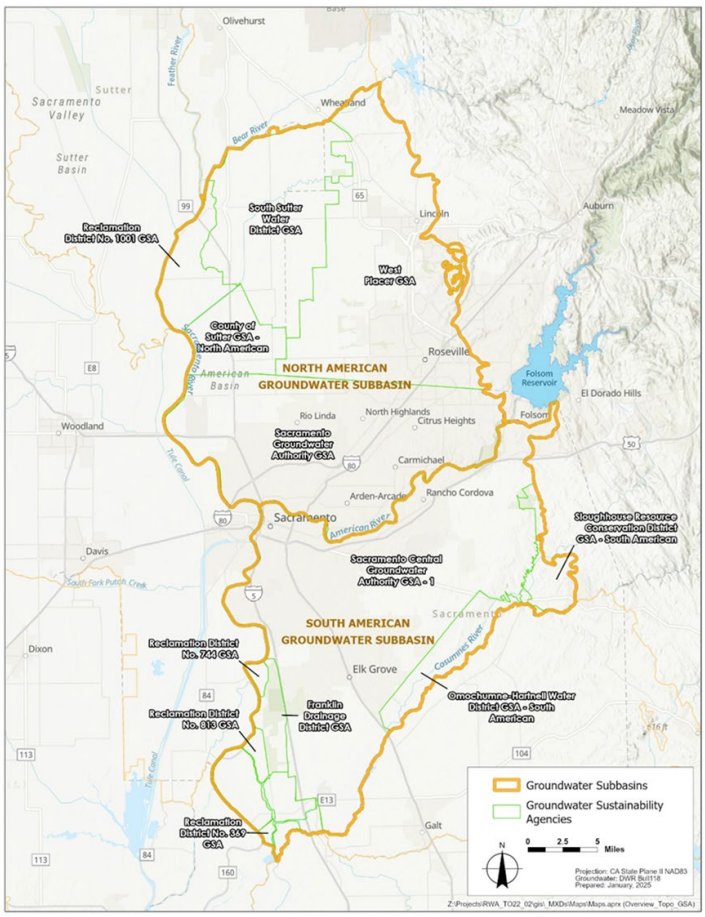
Version 1

March 17, 2025

Water Accounting System Overview

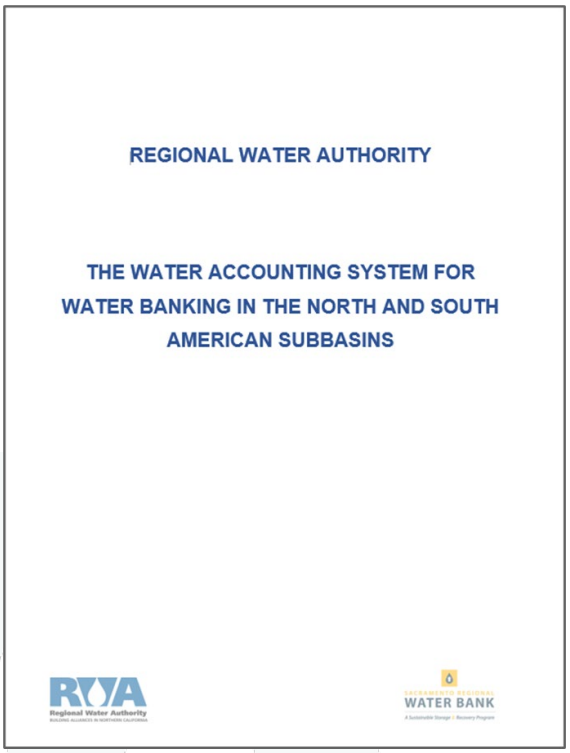
The Water Accounting System (or WAS) is designed to effectively and transparently manage and monitor water banking activities within the North and South American Subbasins. Specifically, the WAS concept paper supports:

- Effective Management
- Compliance Support
- Transparency and Accountability
- Operational Clarity



Water Accounting System Overview (cont.)

- Defines the fundamentals (or principles) that guided its formulation
- Describes the components necessary for tracking and monitoring groundwater banking activities
- Ensures alignment with sustainability goals outlined in the GSPs and effective coordination with the GSAs
- Outlines administrative and implementation activities and responsibilities
- Describes the establishment of the Sacramento Regional Water Bank within the Water Accounting System
- Demonstrates with hypothetical examples the application of recharge and recovery accounting procedures for entities with a range of water supply portfolios


REGIONAL WATER AUTHORITY

THE WATER ACCOUNTING SYSTEM FOR WATER BANKING IN THE NORTH AND SOUTH AMERICAN SUBBASINS

Water Accounting System Fundamentals

- **Recharge First** — Track that recharge actions occur before recovery actions.
- **Responsible Banking** — Track that no more than the net banked water in the subbasins is recovered, accounting for leave-behind and banking losses.
- **Program-Specific Accounts** — Facilitate separate tracking of each banking program/project while preserving the ability to observe banking activities for the entire region.
- **Separate Water Budgets for Each GSP** — Implement separate tracking of recharge (deposits), recovery (withdrawals), and balances for the subbasins to facilitate reporting and basin operations with knowledge and understanding of current GSP water budgets.

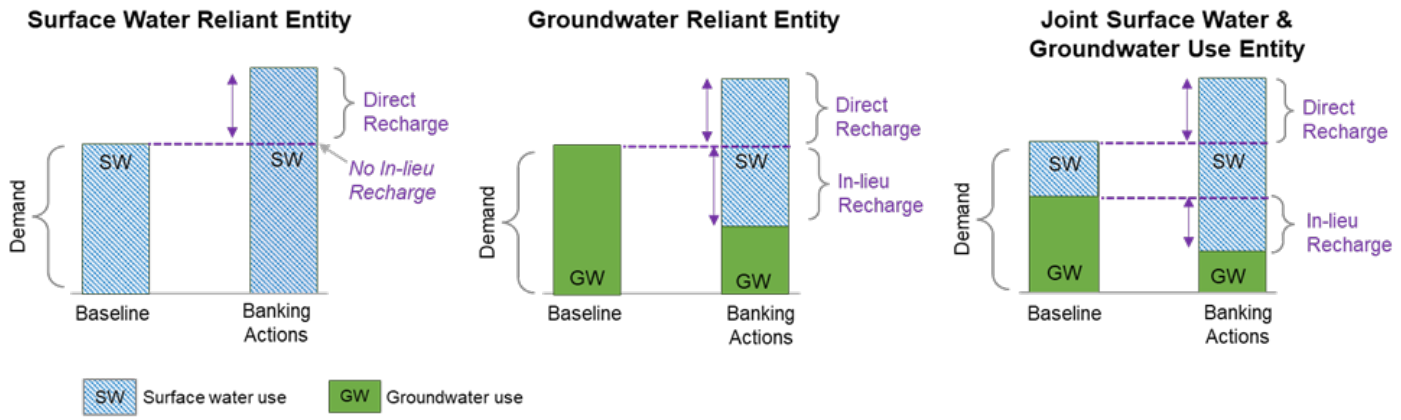
Water Accounting System Fundamentals (cont.)

- **Transparency and Consistency** — Establish a framework for consistent water accounting practices across the subbasins, which will maintain transparency of water banking operations through coordination with and reporting to the applicable GSAs.
- **Applicable Regulatory Requirements** — Tracking of banking activities consistent with
  (1) U.S. Bureau of Reclamation Groundwater Banking Guidelines for Central Valley Project
  (2) California Department of Water Resources Draft Technical Information for Preparing Water Transfer Proposals
  (3) GSPs for the subbasins and/or other applicable regulations/requirements
- **No Restriction on Local Water Management** — Identifies activities recognized as banking actions, but does not restrict local water agencies from managing their water supplies and operations, including, but not limited to, groundwater substitution transfers.

Water Accounting System Components

- **Recharge (deposits):** Directly or indirectly into the groundwater basin.
- **Recovery (withdrawals):** Of stored (banked) water for beneficial use.
- **Banking Balances:** The remaining amount of banked water available for recovery.
- **Banking Losses:** Banked groundwater that becomes physically unrecoverable due to factors such as migration out of the basin or seepage into surface water bodies.
- **Leave-Behind:** A portion of banked groundwater intentionally left in the basin to support groundwater sustainability and enhance local water supply reliability.
- **Operational Baseline:** A benchmark of an entity's typical surface and groundwater use without banking activities. It enables accurate tracking of recharge and recovery measured as change from the baseline. It is reviewed every five years to reflect changes in water management and ensure alignment with GSP updates.
- **Groundwater Storage Rights:** Legal entitlements and permissions that entities have to store water in a groundwater bank. These rights outline the conditions under which water can be stored, the types of water eligible for storage, and the limitations on its use, including recovery and subsequent use.
- **Forgone Surface Water:** Surface water supplies intentionally left unused by an entity due to substituting its use with stored (banked) groundwater.

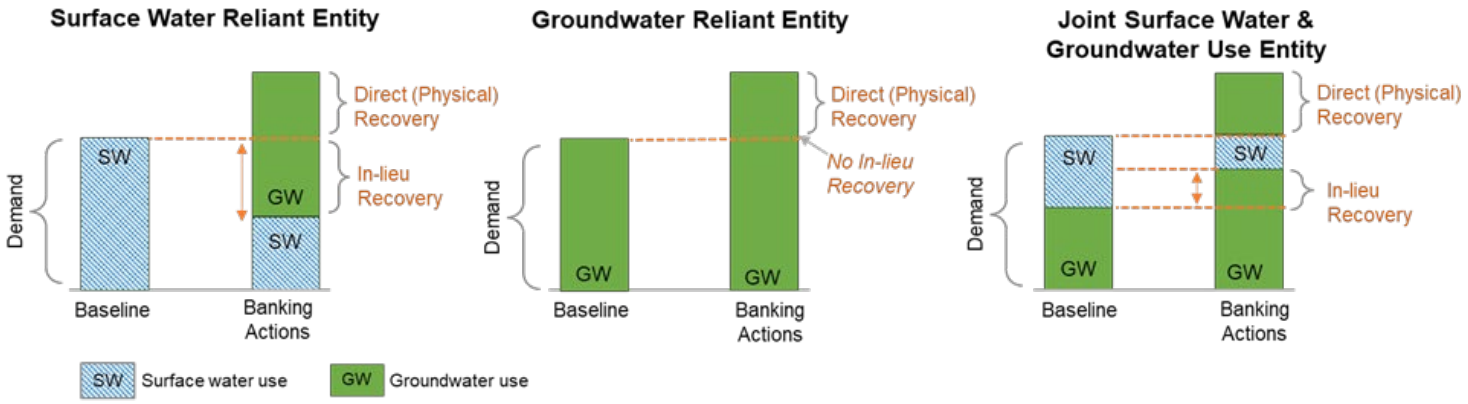
Recharge Accounting



Direct Recharge: Water is directly added to a groundwater basin using spreading basins, injection wells, dry wells, or similar methods.

In-lieu Recharge: Surface water replace groundwater pumping.

Recovery – Joint Surface Water/Groundwater User



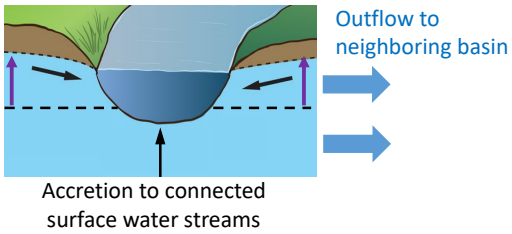
Direct (Physical) Recovery: Banked groundwater is extracted and physically conveyed to another entity.

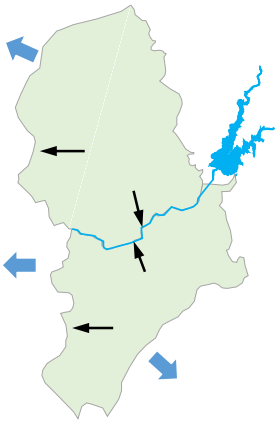
In-lieu Recovery: Banked groundwater replaces baseline surface water use.

Illustration of In-lieu Recovery Accounting for Entities with Different Water Supply Portfolios

Banking Losses vs Leave Behind

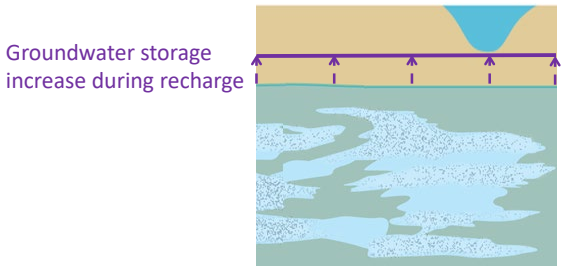
- **Banking Losses** – Banked groundwater that becomes physically unrecoverable due to factors such as migration out of the basin or seepage into surface water bodies.
- **Benefits**:
  - Accretions to streams/rivers provide ecosystem benefits and benefit downstream areas
  - Contribute to neighboring basins sustainability
- Losses will be estimated using the regional groundwater model developed for the GSPs.
- Losses will be reviewed and revised if appropriate on a 5-year cycle, in conjunction with updating GSPs.

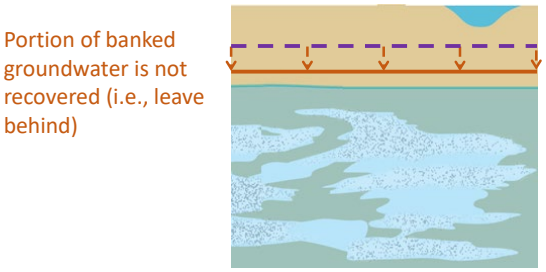




Banking Losses vs Leave Behind

- **Leave Behind** – A portion of banked groundwater intentionally left in the basin to support groundwater sustainability and enhance local water supply reliability, after accounting for banking losses.
- Leave behind volume is never to be recovered as part of water banking operations.
- Leave behind is 5% for the Sac Regional Water Bank
- **Leave Behind** Benefits:
  - Bolsters groundwater in storage
  - Percent can be increased by Participating Agency(ies) to augment local groundwater conditions
  - Benefits all users of the groundwater basin

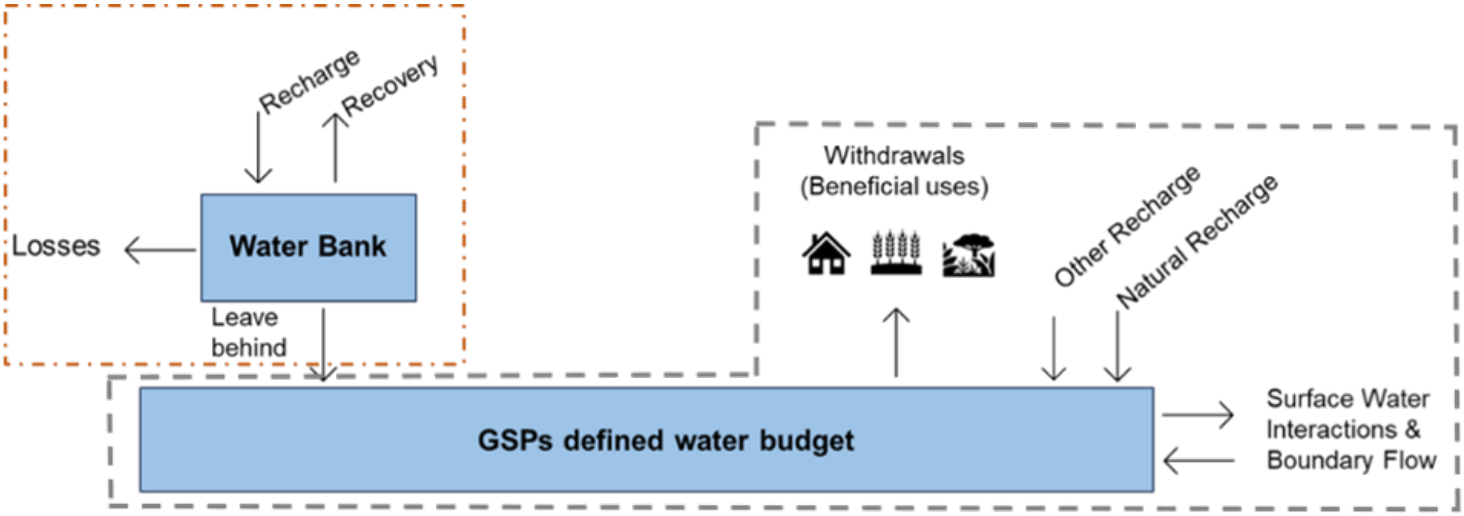




Consistency with Groundwater Sustainability Plans

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

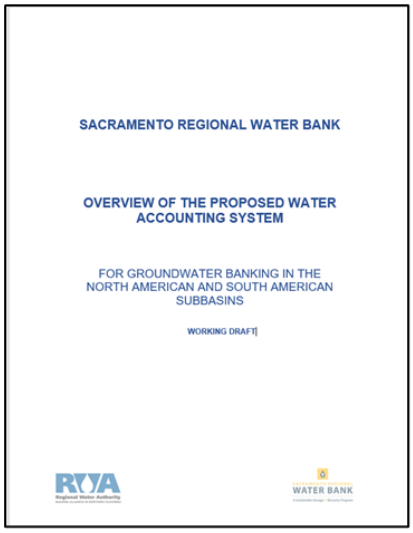
Relationship of Water Banking Programs to Groundwater Sustainability Plans



Consistency with Groundwater Sustainability Plans

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Water Bank Coordinating Body

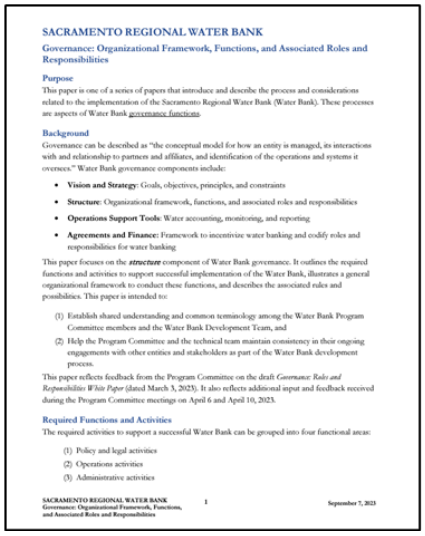


SACRAMENTO REGIONAL WATER BANK

OVERVIEW OF THE PROPOSED WATER ACCOUNTING SYSTEM

FOR GROUNDWATER BANKING IN THE NORTH AMERICAN AND SOUTH AMERICAN SUBBASINS

WORKING DRAFT]



SACRAMENTO REGIONAL WATER BANK

Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities

Purpose

This paper is one of a series of papers that introduce and describe the process and considerations related to the implementation of the Sacramento Regional Water Bank (Water Bank). These processes are aspects of Water Bank governance functions.

Background

Governance can be described as "the conceptual model for how an entity is managed, its interactions with and relationship to partners and affiliates, and identification of the operations and systems it oversees." Water Bank governance components include:

- **Vision and Strategy**: Goals, objectives, principles, and constraints
- **Structure**: Organizational framework, functions, and associated roles and responsibilities
- **Operations Support Tools**: Water accounting, monitoring, and reporting
- **Agreements and Finance**: Framework to incentivize water banking and codify roles and responsibilities for water banking

This paper focuses on the ***structure*** component of Water Bank governance. It outlines the required functions and activities to support successful implementation of the Water Bank, illustrates a general organizational framework to conduct these functions, and describes the associated roles and possibilities. This paper is intended to:

(1) Establish shared understanding and common terminology among the Water Bank Program Committee members and the Water Bank Development Team, and
(2) Help the Program Committee and the technical team maintain consistency in their ongoing engagements with other entities and stakeholders as part of the Water Bank development process.

This paper reflects feedback from the Program Committee on the draft *Governance: Roles and Responsibilities White Paper* (dated March 3, 2023). It also reflects additional input and feedback received during the Program Committee meetings on April 6 and April 10, 2023.

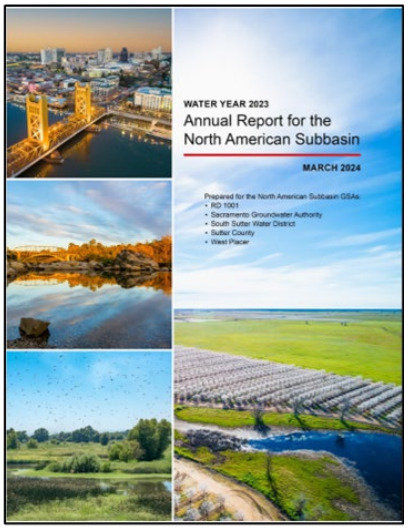
Required Functions and Activities

The required activities to support a successful Water Bank can be grouped into four functional areas:

(1) Policy and legal activities
(2) Operations activities
(3) Administrative activities

SACRAMENTO REGIONAL WATER BANK Governance: Organizational Framework, Functions, and Associated Roles and Responsibilities 1 September 7, 2023

NASB & SASb GSAs



WATER YEAR 2023

Annual Report for the North American Subbasin

MARCH 2024

Prepared for the North American Subbasin GSAs:
- RD 1001
- Sacramento Groundwater Authority
- South Sutter Water District
- Sutter County
- West Placer

Implementation and Administration

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Roles and Responsibilities

- RWA – Coordinate data collection, management, and maintenance.
- Participating Agencies – Conduct recharge and recovery activities.

Data Collection and Management

- Data and records maintained within Data Management System (DMS).
- Detailed accounts during active periods of recharge and recovery.
- Use of existing data collection and reporting activities to minimize duplication of efforts and provide efficiency.

Reporting

- Recharge and recovery balances.
- Coordinated with reporting activities of the GSAs.

Water Bank—Project Benefits and Outcomes

RWA Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Federal Acknowledgement Enables (1) any CVP contract supply to be banked outside the service area of that contractor, and (1) recovery of that supply by CVP and non-CVP contractors	**Environmental Compliance** Through CEQA and NEPA documents, evaluates (1) expansion of existing conjunctive use, and (2) Reclamation acknowledgement of Water Bank	**Water Accounting System** Accommodates multiple accounts that support all participating agencies and GSAs
External Partners Through pilot opportunities, establishes relationships and develops institutional knowledge with external partners Supports securing long-term agreements that provide consistent and reliable benefits to the region	**Surface Water/ Groundwater Interaction** Advances science and understanding of both accretion and depletions associated with water banking operations	**Financial Agreements** Develops framework to encourage broad, active, and beneficial implementation of conjunctive use by all participating agencies

Sacramento Regional Water Bank contact information:
waterbankinfo@rwah2o.org

Sacramento Regional Water Bank website: https://sacwaterbank.com

RWA
Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Basin Sustainability Goal | **Exchangeable Water**

Carmichael Water District	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		6,646									40,049
2012	9,895		1,580	5,066	0	5,066	8,315	0	0	5,066	45,115
2013	10,400		2,031	4,615	0	9,681	8,369	0	0	4,615	49,730
2014	8,517		3,575	3,071	0	12,752	4,942	0	0	3,071	52,801
2015	7,353		2,755	3,891	0	16,643	4,598	0	0	3,891	56,692
2016	7,696		1,419	5,227	0	21,870	6,277	0	0	5,227	61,919
2017	8,495		2,597	4,049	0	25,919	5,898	0	0	4,049	65,968
2018	8,614		2,947	3,699	0	29,618	5,667	408	0	3,291	69,259
2019	8,219		2,307	4,339	0	33,957	6,053	0	0	4,339	73,598
2020	8,514		3,496	3,150	0	37,107	5,018	1,503	0	1,647	75,245
2021	8,755		3,778	2,868	0	39,975	4,977	0	0	2,868	78,113
2022	8,599		5,176	1,470	0	41,445	3,423	1,837	0	-367	77,746
2023	8,137		5,656	990	0	42,435	2,481	0	0	990	78,736
2024	8,630		2,151	4,495	0	46,930	6,479	0	0	4,495	83,231

City of Sacramento	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		20,591									36,568
2012	38,084		13,554	7,037	0	7,037	24,530	0	0	7,037	43,605
2013	39,068		11,732	8,859	0	15,896	27,336	0	0	8,859	52,464
2014	31,724		13,602	6,989	0	22,885	18,122	0	0	6,989	59,453
2015	27,878		12,682	7,909	0	30,794	15,196	0	0	7,909	67,362
2016	28,962		17,151	3,440	0	34,234	11,811	0	0	3,440	70,802
2017	30,110		23,728	-3,137	0	31,097	6,382	0	0	0	70,802
2018	30,221		23,495	-2,904	0	28,193	6,726	2641	0	-2,641	68,161
2019	28,774		19,401	1,190	0	29,383	9,373	0	0	1,190	69,351
2020	28,398		23,075	-2,484	0	26,899	5,323	7777	0	-7,777	61,574
2021	30,269		18,010	2,581	0	29,480	12,159	0	0	2,581	64,155
2022	24,750		17,651	2,940	0	32,420	7,099	5554	0	-2,614	61,541
2023	26,874		10,840	9,751	0	42,171	16,034	0	0	9,751	71,292
2024	27,200		8,294	12,297	0	54,468	18,906	0	0	12,297	83,589

California American Water	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		17,995									7,115
2012	14,186		13,595	4,400	0	4,400	591	0	0	591	7,706
2013	14,110		14,110	3,885	0	8,285	0	0	0	0	7,706
2014	11,260		11,260	6,735	0	15,020	0	0	0	0	7,706
2015	9,581		9,581	8,414	0	23,434	0	0	0	0	7,706
2016	10,319		10,102	7,893	0	31,327	217	0	0	217	7,923
2017	11,220		9,203	8,792	0	40,119	2,017	0	0	2,017	9,940
2018	11,065		9,609	8,386	0	48,505	1,456	0	0	1,456	11,396
2019	10,763		9,241	8,754	0	57,259	1,522	0	0	1,522	12,918
2020	11,653		8,870	9,125	0	66,384	2,783	0	0	2,783	15,701
2021	11,138		11,127	6,868	0	73,252	11	0	0	11	15,712
2022	10,737		10,726	7,269	0	80,521	11	0	0	11	15,723
2023	10,010		8,186	9,809	0	90,330	1,824	0	0	1,824	17,547
2024	10,776		8,348	9,647	0	99,977	2,428	0	0	2,428	19,975

Del Paso Manor Water District	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		1,465									0
2012	1,499		1,499	-34	0	-34	0	0	0	0	0
2013	1,571		1,571	-106	0	-140	0	0	0	0	0
2014	1,246		1,246	219	0	79	0	0	0	0	0
2015	1,052		1,052	413	0	492	0	0	0	0	0
2016	1,128		1,128	337	0	829	0	0	0	0	0
2017	1,239		1,239	226	0	1,055	0	0	0	0	0
2018	1,226		1,226	239	0	1,294	0	0	0	0	0
2019	1,158		1,158	307	0	1,601	0	0	0	0	0
2020	1,341		1,341	124	0	1,725	0	0	0	0	0
2021	1,368		1,368	97	0	1,822	0	0	0	0	0
2022	1,278		1,278	187	0	2,009	0	0	0	0	0
2023	1,219		1,219	246	0	2,255	0	0	0	0	0
2024											

Golden State Water Company	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		1,098									0
2012	1,119		1,119	-21	0	-21	0	0	0	0	0
2013	1,184		1,184	-86	0	-107	0	0	0	0	0
2014	896		896	202	0	95	0	0	0	0	0
2015	778		778	320	0	415	0	0	0	0	0
2016	793		793	305	0	720	0	0	0	0	0
2017	854		854	244	0	964	0	0	0	0	0
2018	836		836	262	0	1,226	0	0	0	0	0
2019	840		840	258	0	1,484	0	0	0	0	0
2020	935		935	163	0	1,647	0	0	0	0	0
2021	926		926	172	0	1,819	0	0	0	0	0
2022	853		853	245	0	2,064	0	0	0	0	0
2023	830		830	268	0	2,332	0	0	0	0	0
2024	854		854	244	0	2,576	0	0	0	0	0

Basin Sustainability Goal							Exchangeable Water				
Rio Linda / Elverta CSD	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		2,882									109
2012	2,882		2,857	25	0	25	25	0	0	25	134
2013	3,052		3,052	-170	0	-145	0	0	0	0	134
2014	2,249		2,449	433	0	288	0	0	0	0	134
2015	2,109		2,109	773	0	1,061	0	0	0	0	134
2016	2,236		2,236	646	0	1,707	0	0	0	0	134
2017	2,458		2,458	424	0	2,131	0	0	0	0	134
2018	2,506		2,506	376	0	2,507	0	0	0	0	134
2019	2,439		2,439	443	0	2,950	0	0	0	0	134
2020	2,867		2,867	15	0	2,965	0	0	0	0	134
2021	2,815		2,815	67	0	3,032	0	0	0	0	134
2022	2,563		2,563	319	0	3,351	0	0	0	0	134
2023	2,380		2,380	502	0	3,853	0	0	0	0	134
2024	2,369		2,369	513	0	4,366	0	0	0	0	134
Sacramento County WA	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		4,288									0
2012	5,211		5,211	-923	0	-923	0	0	0	0	0
2013	5,316		5,316	-1,028	0	-1,951	0	0	0	0	0
2014	4,559		4,559	-271	0	-2,222	0	0	0	0	0
2015	3,887		3,887	401	0	-1,821	0	0	0	0	0
2016	4,064		4,064	224	0	-1,597	0	0	0	0	0
2017	4,756		4,756	-468	0	-2,065	0	0	0	0	0
2018	4,817		4,817	-529	0	-2,594	0	0	0	0	0
2019	4,582		4,582	-294	0	-2,888	0	0	0	0	0
2020	5,092		5,092	-804	0	-3,692	0	0	0	0	0
2021	4,749		4,749	-461	0	-4,153	0	0	0	0	0
2022	4,504		4,504	-216	0	-4,369	0	0	0	0	0
2023	4,229		4,229	59	0	-4,310	0	0	0	0	0
2024	4,409		4,409	-121	0	-4,431	0	0	0	0	0
Sacramento Suburban Water District	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		35,035									183,034
2012	38,089		27,530	7,505	0	7,505	10,559	0	0	7,505	190,539
2013	38,554		38,145	-3,110	0	4,395	409	3,068	0	-2,659	187,880
2014	32,561		32,561	2,474	0	6,869	0	0	0	0	187,880
2015	27,502		27,422	7,613	0	14,482	80	0	0	80	187,960
2016	29,311		17,863	17,172	0	31,654	11,448	0	0	11,448	199,408
2017	31,253		19,791	15,244	0	46,898	11,462	0	0	11,462	210,870
2018	30,873		20,423	14,612	0	61,510	10,450	5,253	0	5,197	216,067
2019	30,610		13,363	21,672	0	83,182	17,247	0	0	17,247	233,314
2020	36,422		33,087	1,948	0	85,130	10,683	4,132	0	6,551	239,865
2021	32,154		29,926	5,109	0	90,239	2,228	0	0	2,228	242,093
2022	32,884		26,786	8,249	0	98,488	6,098	2,638	0	3,460	245,553
2023	30,019		11,247	23,788	0	122,276	18,772	0	0	18,772	264,325
2024	31,003		14,992	20,043	0	142,319	16,011	0	0	16,011	280,336
Central Area Total	Total Demand	Target Pumping	Actual GW Pumped	Target minus Actual GW	Transfer of Credits	Basin Sustainability Balance	Surface Water Use	Water Transfer (out of basin)	Credits transferred	Net Banked Water	Exchangeable Water Balance
		90,000									266,875
2012	110,965		66,945	23,055	0	23,055	44,020	0	0	20,224	287,099
2013	113,255		77,141	12,859	0	35,914	36,114	3,068	0	10,815	297,914
2014	93,012		70,148	19,852	0	55,766	23,064	0	0	10,060	307,974
2015	80,140		60,266	29,734	0	85,500	19,874	0	0	11,880	319,854
2016	84,509		54,756	35,244	0	120,744	29,753	0	0	20,332	340,186
2017	90,385		64,626	25,374	0	146,118	25,759	0	0	17,528	357,714
2018	90,158		65,859	24,141	0	170,259	24,299	8,302	0	7,303	365,017
2019	87,385		53,331	36,669	0	206,928	34,195	0	0	24,298	389,315
2020	83,419		78,763	11,237	0	218,165	23,807	13,412	0	3,204	392,519
2021	92,174		72,699	17,301	0	235,466	19,375	0	0	7,688	400,207
2022	86,168		69,537	20,463	0	255,929	16,631	10,029	0	490	400,697
2023	83,698		44,587	45,413	0	301,342	39,111	0	0	31,337	432,034
2024	85,241		41,417	47,118	0	348,460	43,824	0	0	35,231	467,265

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CARMICHAEL WATER DISTRICT

April 2025 Engineering Department Report

Engineering Manager, Greg Norris P.E.

CAPITAL IMPROVEMENT PROJECTS

La Sierra ASR Well Project: Minimal progress since last month's report. The project has slowed until the switchgear and related electrical controls are delivered. The contractor Sierra National has received an estimate from its supplier that those components should be delivered in August 2025.

Winding Way ASR Well Project: Construction is complete and the site is ready for topside development. See Informational Board Memo related to the selection of the Statement of Qualifications (SOQs).

Ladera ASR Well Project: Construction is complete and the site is ready for topside development. See Informational Board Memo related to the selection of the Statement of Qualifications (SOQs).

La VistaTank and Booster Well Project: See monthly Informational Board Memo.

SCADA Project: An RFP for a Progressive Design Build process has been developed and is under review by the District's attorney.

Garfield Well Backup Generator Project: No Update since last month. Equipment is still on order.

Claremont Pipeline Engineering Design: An invitation for bids with bid packet were posted to the bid house site and advertised in the Sac Bee on April 8, 2025.

MISCELLANEOUS

Turf Replacement: Staff have received a 6 month time extension for the WaterSMART grant with USBR. The grant will now expire on 12/31/25 giving the District an opportunity to do several more projects over the summer and fall of 2025.

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CARMICHAEL WATER DISTRICT
MARCH 2025 BILLING DEPARTMENT REPORT
Billing Supervisor, Cecilia D.

In comparison to February's Billing, there was an Increase of 12% in Billing Units and Total Billing was up 3%. Year to date Billing Units were 8% higher overall than last year, and Total Billing was 13% higher.

BILLING ACTIVITY

				FY 24-25	FY 23-24		
Billing Period	**Billing Units***	**Usage Charges**	**Service Charges**	**Billing Totals**	**Billing Totals**	**Billing Units***	**Previous Year Billing Totals % Difference**
July	570,814	$1,290,039	$ 820,065	$ 2,110,104	$ 1,681,005	449,410	26%
August	487,443	$1,101,622	$ 820,357	$ 1,921,979	$ 1,834,038	523,315	5%
September	453,927	$1,025,876	$ 820,304	$ 1,846,180	$ 1,573,781	397,982	17%
October	372,814	$ 842,560	$ 820,422	$ 1,662,982	$ 1,449,177	337,834	15%
November	220,319	$ 497,922	$ 820,542	$ 1,318,464	$ 1,198,159	216,445	10%
December	141,063	$ 318,803	$ 820,607	$ 1,139,410	$ 1,063,486	151,575	7%
January	155,497	$ 384,078	$ 898,690	$ 1,282,768	$ 1,146,764	143,529	12%
February	120,573	$ 297,815	$ 898,127	$ 1,195,942	$ 1,082,539	115,430	10%
March	134,533	$ 332,296	$ 898,327	$ 1,230,623	$ 1,110,361	127,799	11%
YTD Totals	**2,656,984**	**$6,091,011**	**$7,617,441**	**$13,708,452**	**$12,139,309**	**2,463,320**	**13%**

* 1 Unit = 100 CCF (Centum Cubic Feet) = 748 Gallons.
Billing Units are based on current meter reading period, i.e., Current Billing Period = 2/22/25 – 3/24/25, and may differ from Production reported numbers due to the meter read billing cutoff dates.

COLLECTIONS: Processed & Total Outstanding A/R Amounts

Five of the six properties currently off are vacant. By the time this report was generated, the sixth property has paid and has been reconnected. The Total 61-90 Days column displays the delinquent amounts that will be targeted on next month's final notice and collections processes. The Outstanding A/R amounts reflect what was still owing at month end, this is 10% of the amount billed, or approximately 1,090 customers.

Date	**Total on APS***	**Total Off**	**Total # Liened**	**Total $ Liened**	**Total 61 - 90 Days**	**Total Outstanding A/R ****
June 2024	0	14	8	$ 5,099	$ 12,286	$ 248,577
FY 24-25						
July	0	10	7	$ 3,088	$ 9,242	$ 247,101
August	1	9	7	$ 3,020	$ 8,226	$ 304,965
September	0	7	7	$ 3,044	$ 12,683	$ 242,173
October	0	7	7	$ 3,068	$ 14,012	$ 306,843
November	0	7	7	$ 4,165	$ 22,933	$ 365,946
December	0	7	6	$ 2,637	$ 27,604	$ 207,399
January 2025	1	8	6	$ 2,658	$ 18,829	$ 152,486
February	1	9	8	$ 3,906	$ 17,127	$ 191,962
March	1	6	5	$ 2,222	$ 11,813	$ 114,472

* APS = Alternative Payment Schedule
** Includes Total Liened and 61-120 Days Amounts

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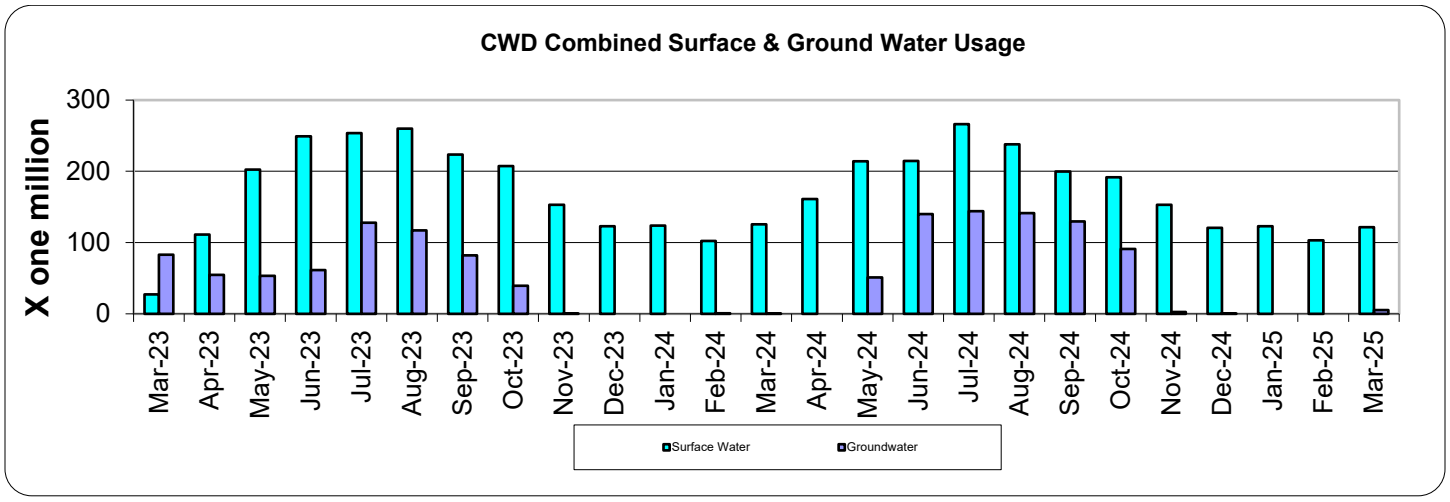
CARMICHAEL WATER DISTRICT

Production Superintendent, DAVID BIAGI

March 2025 Water Production Board Report

March 28th Snowpack at 70 percent of average at Phillips Station

CWD Monthly Water Production 2015-2025														
FY	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**MGD Totals**	**Acre/Ft**
2024-25	**409.91**	**379.28**	**329.43**	**283.13**	**155.68**	**117.11**	**122.95**	**103.10**	**127.03**				**2028**	**6223**
2023-24	381.87	376.96	305.79	246.50	153.18	123.06	114.25	102.90	125.55	160.99	265.26	354.84	**2712**	**8322**
2022-23	371.77	358.96	299.37	267.16	149.16	124.91	115.19	107.14	109.89	165.79	255.81	310.23	**2635**	**8088**
2021-22	381.78	354.31	318.00	232.62	127.07	114.90	116.95	138.86	181.17	183.76	282.17	327.46	**2759**	**8467**
2020-21	408.04	402.05	335.66	294.53	188.58	140.24	125.19	110.64	145.91	237.20	332.59	371.58	**3092**	**9490**
2019-20	378.84	381.60	314.85	259.58	201.55	122.39	113.09	135.71	153.23	181.81	281.40	360.18	**2884**	**8851**
2018-19	387.57	361.56	314.04	259.22	187.67	121.80	111.84	96.07	109.20	158.03	226.19	317.21	**2650**	**8134**
2017-18	399.61	383.76	323.74	270.59	140.87	129.07	113.92	117.16	115.88	148.80	258.57	335.23	**2737**	**8400**
2016-17	357.82	353.35	299.41	193.38	123.16	115.61	113.47	96.26	116.84	123.76	268.14	332.52	**2494**	**7653**
2015-16	287.66	283.68	259.99	213.09	128.89	107.92	100.49	97.72	107.12	148.87	219.44	308.84	**2264**	**6947**
Avg.	**376.49**	**363.55**	**310.03**	**251.98**	**155.58**	**121.76**	**114.73**	**110.56**	**129.18**	**167.67**	**265.51**	**335.35**	**2692**	**8261**
Daily	**12.14**	**11.73**	**10.33**	**8.13**	**5.19**	**3.93**	**3.70**	**3.95**	**4.17**	**5.59**	**8.56**	**11.18**		



March CWD Total Production		MG
Surface Water	96%	121.711
Groundwater	4%	5.318

Production	Up/ Down	Month	Up/ Down	10-Year Running Average
Production from same month last year	Up	1.2%	Down	1.7%
March 2025 Average Daily Production		4.10 MG		
Peak Day – March 26th		5.41 MG		

GSWC Delivery: CWD delivered 139.61 MG or 428.45 Acre/Ft to GSWC in March.

There was one (1) water quality complaint in March. The area where the complaint occurred was investigated and flushed when needed.

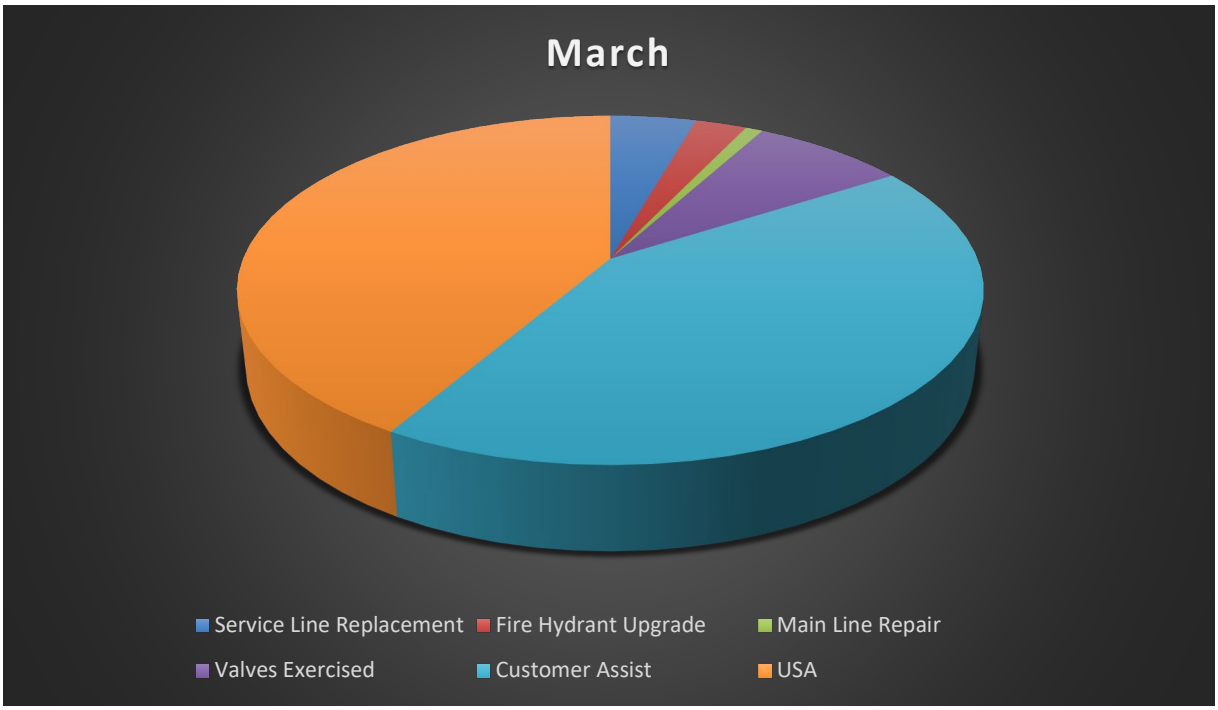
Water Quality Activity
- ✓ Taste & Odor: 1
- ✓ Color: 0
- ✓ Turbidity (Air): 0
- ✓ Suspended Solids: 0
- ✓ Low Pressure: 0

Backflow Devices Tested
- ✓ Tested: 61
- ✓ New Devices: 4
- ✓ Failed Tests: 2

Maintenance Activity
- ✓ Secondary Cl2 CIP: 2
- ✓ Primary Caustic clean: 13
- ✓ Instrument Calibrations: 7
- ✓ Module Repair: 19

Annual Fire Extinguisher Training: In March, the Production Staff participated in our yearly Fire extinguisher training. This hands-on course equips individuals with the knowledge and skills to safely and effectively use the various classifications of fire extinguishers. Fire extinguishers are classified by the type of fire they are designed to extinguish, with common types including water, foam, dry chemical, carbon dioxide, and wet chemical extinguishers, each effective for different fire classes. The Water Treatment plant is equipped with both ABC and Halogenated Extinguishers located throughout the buildings. An "ABC" fire extinguisher is a versatile, multi-purpose extinguisher designed to combat Class A, Class B, and Class C fires, using a dry chemical powder to extinguish flames. Halogenated extinguishers work by interrupting the chemical reaction of the fire. These are recommended for use around sensitive electrical equipment because they do not leave a residue that could damage equipment.

CARMICHAEL WATER DISTRICT
DISTRIBUTION SUPERINTENDENT, Lucas Campbell
March 2025 Water Distribution Board Report



Capital Improvements/Replacements

- Service Line: 5
- Fire Hydrant: 3
- Main Line Valve: 0
- New Construction Meters: 2
- New Hydrant Valve: 2
- Air Relief Valves - 0

O and M Repair Work

- Service Line: 4
- Fire Hydrant: 2
- Main Line: 1
- Meter Boxes: 0
- Main Line Valve Boxes: 0
- Meter Change Out: 90
- Registers Change Out: 5
- Hydrant Inspections: 2
- Valves Exercised: 9
- Antenna: 4

Customer Assist

- Call Outs: 48
- Private Repairs: 1
- Water Waste: 24
- Lock/Unlock: 5
- High/Low Pressure: 0
- USA: 47

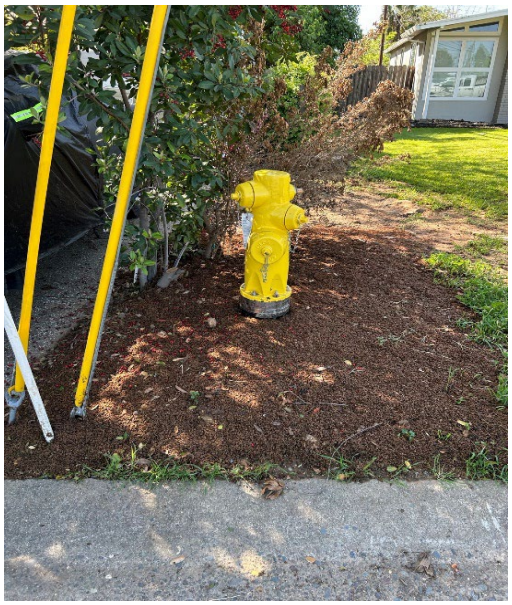
(Removed 4” Steel wharf hydrant)

(Abandoned 4” Steel water main)

- CWD crews have successfully completed the abandonment of approximately 620 feet of 4-inch steel main located in the backyard area between Francis Way and Kenneth Avenue. This steel main, which was originally installed in 1934, was particularly difficult to access, making repairs to the deteriorating infrastructure a significant challenge for our crews. The abandonment of this outdated pipeline is a key step in improving our system’s overall reliability and safety.
  In addition, two new, fully upgraded wet barrel fire hydrants have been installed off the 6-inch water mains, replacing the previously existing 4-inch wharf hydrants. The old hydrants had limited fire suppression capabilities, and the new upgrades will significantly enhance fire protection in the area.

  Moving forward, the Distribution department will continue its efforts to identify and remove, or upgrade, any water mains that present a liability to the district, ensuring the long-term integrity and efficiency of our infrastructure.

(New 6” wet barrel hydrant on Francis Way)



(New 6” wet barrel hydrant on Kenneth Ave)

Current Projects

- **Bajamont WTP Hydrant Installation:** CWD Distribution department will be adding an additional wet barrel fire hydrant to the Bajamont WTP for fire suppression efforts. The project will require 150' of new 6" DIP to be installed for the hydrant run to a location approved by CWD GM and Production Superintendent. Distribution has potholed within the proposed dig site for utilities and materials have been ordered for the project. Installation will begin towards the middle to end of April.

- **Fair Oaks Blvd AC Overlay Project:** Sacramento County is planning an asphalt concrete (AC) overlay project on Fair Oaks Blvd, which will extend from Manzanita Ave to Marshall Ave. A key concern in this area is the 14-inch steel main that was originally installed in 1944 by the Carmichael Water District (CWD). This section of the main has required multiple repairs in recent years, indicating its aging condition. Given the likelihood of continued issues, it is recommended that this old steel main be replaced before the overlay project begins. This proactive approach will help avoid complications associated with the three-year no-cut moratorium that follows an overlay project, ensuring that future repairs can be carried out efficiently without impacting the newly resurfaced roadway.

  The 14-inch steel main spans from the intersection of California Ave, running east down Fair Oaks Blvd, and ends at 7907 Fair Oaks Blvd. In addition, the main continues south along California Ave. To facilitate the overlay project without interference, approximately 1,100 feet of the mainline will need to be replaced. This replacement should be completed prior to the commencement of the overlay work to ensure smooth coordination and prevent any delays.

  CWD is currently working closely with Sacramento County to explore the possibility of replacing this aging mainline before the overlay project begins. Both parties are collaborating to align timelines and ensure that the replacement work is completed in a timely manner, minimizing any potential disruptions to the project.

- **Ancil Hoffman and River Bend Park Overlay Project (Continued)**: The District has received the "C" plans for this project. The paving portion of this project will start at the intersection of California Ave. and Tarshes Way, working east into Ancil Hoffman Park to the club house and driving range. District forces are required to lower then raise all main line valve boxes (12 projected) within the limits of construction.

- **Sacramento County AC Overlay Phase D (Continued**): The District has received "A" plans for an additional overlay project in the areas of Kenneth Ave, west of Walnut Ave continuing south to El Camino Ave. Upon completion of the overlay project, there will be a three (3) year utility trench cut moratorium. In anticipation of this project and the three year moratorium, District staff will be upgrading many water service laterals and saddles at the main. Making these upgrades will help ensure CWD from having to perform construction in the roadway. Staff will GPS all facilities within the limits of the project and update the District map as needed.

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BOARD OF DIRECTORS

MARCH 2025
MEETING ATTENDANCE

MEETINGS ATTENDED		DIRECTORS				
DATE	DESCRIPTION	DAVIS	EMMERSON	NELSON	GREENWOOD	SELSKY
3/7 3/17	ACWA Committee Meetings	2				
3/17	CWD - Regular Board Meeting	1	1	1	1	1
3/11	CWD - Special Board Meeting		1	1	1	1
3/13	RWA - Regular Board Meeting				1	
3/14	RWA - Meeting				1	
	TOTAL MEETINGS ATTENDED	**3**	**2**	**2**	**4**	**2**

MARCH 2025
EXPENSE COMPENSATION/REIMBURSEMENT

MEETINGS COMPENSATED						
DATE	DESCRIPTION	DAVIS	EMMERSON	NELSON	GREENWOOD	SELSKY
2/25	CWD 2x2 Adhoc Committee				1	
2/18	CWD - Regular Board Meeting	1	1	1	1	1
1/27 2/28	CWD - Special Board Meeting	1	1	2	2	2
1/28	RWA - Executive Committee				1	
1/24	RWA - Meeting				1	
1/16	SGA - Meeting					1
1/16 2/20	Carmichael Chamber			1	1	
	TOTAL # COMPENSATED	**2**	**2**	**4**	**7**	**4**
	TOTAL $ COMPENSATED	**$304.00**	**$304.00**	**$608.00**	**$1,064.00**	**$608.00**
	***TOTAL REIMBURSEMENTS**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**

FISCAL YEAR 2024-2025
SUMMARY

	DAVIS	EMMERSON	NELSON	GREENWOOD	SELSKY
FYTD # MEETINGS ATTENDED	**20**	**18**	**20**	**36**	**32**
FYTD # MEETINGS COMPENSATED	**10**	**14**	**20**	**33**	**24**
FYTD $ MEETINGS COMPENSATED	**$1,520.00**	**$2,128.00**	**$3,040.00**	**$5,016.00**	**$3,648.00**
FYTD EXPENSE REIMBURSEMENTS	**$0.00**	**$1,343.87**	**$0.00**	**$1,623.17**	**$91.06**