



**REGULAR BOARD MEETING
AGENDA PACKET**

JUNE 16, 2025

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Regular Board Meeting - Monday, June 16, 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=b0Fvj6ch85NMSco2p52u9ox3O33J6v.1>

Join by phone: Dial US [+1 669 900 6833](tel:+16699006833)

Meeting ID: [835 9687 8004](https://us02web.zoom.us/j/83596878004) **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.

ANNOUNCE CLOSED SESSION AND ADJOURN OPEN SESSION TO CLOSED SESSION

CLOSED SESSION

2. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION; Government Code sections 54954.5(c) and 54956.9(a) and (d)(1);

Carmichael Water District v. Nugent, et al., Sacramento Superior Court Case No. 34-2021-00299134

ADJOURN CLOSED SESSION AND OPEN REGULAR SESSION

REPORT OUT OF CLOSED SESSION

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 – May 19, 2025

4. Minutes for the Special Board Meeting – May 21, 2025

5. Minutes for the Special Board Meeting – May 23, 2025

6. Monthly Expenditure Report – April 2025

7. Budget to Actual Report – April 2025

8. Capital Improvement Project Status Report Ending 03/31/2025

ACTION CALENDAR:

- 9. Garfield Well Site Access**
Staff recommends that the Board of Director discuss the access requests, assess the security and liability topics, and approve any appropriate actions as necessary.
- 10. Cross Connection Control Program and Regulation Adoption**
Staff recommends that the Board of Directors approve Regulation 4060 – Cross-Connection Control Program and Resolution 06162025-01 - A Resolution of the Carmichael Water District Adopting and Implementing the Carmichael Water District Cross-Connection Control.
- 11. Award of Construction Contract for the Claremont Road and Fair Oaks Blvd (FOB) Pipeline Replacement Project**
Staff recommends that the Board of Directors 1) authorize a \$400,000.00 contingency for the contract to provide funding for any potential change orders due to unforeseen conditions; 2) note increases in the amount of the two line items in the final budget to cover the bid amount and contingency; 3) authorize the General Manager to execute a Construction Contract with Flowline Contractors for a total not exceed amount of \$4,258,254.40.
- 12. FY 2025-26 Water Forum Annual Funding Agreement – Interagency Cost Sharing**
Staff recommends that the Board of Directors approve the attached Water Forum Annual Funding Agreement for FY 2025-26 in the amount of \$53,445 and authorize the General Manager to execute the agreement.
- 13. Temporary Engineering Department Staffing**
Staff recommends that the Board of Directors approve the attached Employment Agreement for Temporary Employment as a Retired Annuitant and authorize the General Manager to execute the agreement.
- 14. LAFCo - Election of Special District Representatives to Sacramento LAFCo Nominations for Special District Commissioners**
- 15. FY 2025-26 Salary Schedule and Benefits**
Staff recommends that the Board of Directors approve a delay in salary adjustment until July 2025 Board meeting.
- 16. Fiscal Year 2025-26 Annual Budget and Resolution Adopting the Annual Budget, Continuation of the Five-Year Water Rate Schedule (Including Water Surcharges), Fee Schedule, and Salary Bands**
Staff recommends that the Board of Directors approve Resolution 06162025 – 02 – A Resolution Adopting the Carmichael Water District (District) Fiscal Year 2025-26 Annual Budget, Continuation of the Five-Year Water Rate Schedule (Including Water Surcharges), Fee Schedule, and Salary Bands.

ANNOUNCE PUBLIC HEARING AND ADJOURN REGULAR MEETING TO PUBLIC HEARING

PUBLIC HEARING:

- 17. Public Health Goal**

- a. Director's Comments
 - b. Public Comments

ADJOURN PUBLIC HEARING AND OPEN REGULAR MEETING

INFORMATIONAL ITEMS:

- 18. Monthly Informational Update for the La Vista Tank and Booster Pump Station**

COMMITTEE REPORTS:

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

STAFF REPORTS:

- 23. General Manager and District Activity Report – May 2025**
- 24. Director's Expense Reimbursement Summary – May 2025**

GENERAL CORRESPONDENCE/INFORMATION:

- 25. Director's Written and/or Oral Reports**

**The next meeting of the Board of Directors will be a Regular Board Meeting held on:
Monday, July 21, 2025 at 6:00 p.m.**



**Regular Board Meeting
Monday, May 19, 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 19th day of May 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, Debbie Martin, Greg Norris, Aaron Ferguson
Guest: Brian Toppel and Robin Flint
Public: Eight (8) Members 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.

PUBLIC COMMENT

1. Public Comment

Mr. Hanscom commented that last month there was a discussion on the agreement between CWD and Golden State Water and how the shared expenses should be paid. He feels that the current agreement is not fair and that the easiest way to adjust that is have them pay their percentage of the total amount of water that was produced for the month. So if they only use twenty percent of the total amount of water then they pay for just twenty percent. Directors commented that they think that is the guidelines that CWD goes by and inquired the General Manager. The General Manager informed the Board of Directors that there are a lot of pieces that goes into that since they paid a big fee to buy into our water treatment plant and that needs to be taken into consideration. There has not been a discussion with Golden State Water yet about the issues that the District has been looking at, which include volumetric and the fixed portions of their statements. Once negotiations begin, these topics will be discussed.

PRESENTATION

2. La Vista Tank and Pump Station – Lessons Learned and Status Update by Toppel Consulting

Directors commented that this was a nice presentation and that they liked the graphics about the timelines.

Directors inquired as to who Mr. Toppel thinks is the best to lead the construction management and how we would make sure that in the future there is such a leadership or person identified with this responsibility.

The General Manager informed the Board of Directors that it should be the Construction Managers (CMs) because this is their specialty.

Mr. Toppel informed the Board of Directors that the tone should be set at the beginning and it should be determined if the CM is a builder or an engineer. If the CMs are not builders, than sometimes things are looked at in black and white and try to follow the letter of the contract. The contractor should follow the intent of the contract and all the problems should not be contractor versus the District. It should be equally as both of their problems in order to move forward smoothly and both parties should be willing to help each other.

The General Manager informed the Board of Directors that the reason it is the CM's responsibility is because this is the kind of job that they do all the time. For pipeline jobs, our staff is very confident because they lay pipes themselves. Our own staff is the CM for pipeline jobs because they are present and they know how the pipes should be laid. For the past couple of pipeline projects, a CM has not been hired because CWD's staff manages the projects.

Directors inquired if Mr. Toppel looked at the plans and specifications enough to have any other opinions on the adequacy of those documents for this project.

Mr. Toppel informed the Board of Directors that he looked at the plans for months and he believes they are decent. Directors inquired about the plans and specifications for the tank liner and the demo of the tank.

Mr. Toppel informed the Board of Directors that what bothered him was not the plans and specifications but the reaction to it and that is when the lines in the sand were drawn. Once the incident happened, the meeting to talk about how to move forward was a week later. It should be done the same day or the next in order to solve the problem instantly with everyone.

Directors inquired if Mr. Toppel spoke to CWD's lawyer.

Mr. Toppel informed the Board of Directors that he has talked to Ms. Nichols several times previously before making this report.

Directors commented that it seems like the main thing was communication and the lack of it. They then inquired about his comment about replacing staff members and whether he meant on CWD's side or the contractors side.

Mr. Toppel informed the Board of Directors that sometimes it's both sides depending on the situations. He mentioned that it is all about how both sides can efficiently communicate and remove the person preventing the effective communication from happening.

Directors inquired if mediation was attempted.

The General Manager informed the Board of Directors that there was a mediation. KKI did request a change in the CM to be one of the CWD staff. It did not happen because there was a lot of other requests on both sides which were not get agreed upon.

Directors commented that at the start of this project there was a different Engineering Manager then who is employed today so the request for a staff person was probably not feasible.

The General Manager informed the Board of Directors that this was correct. The Engineering Manager is not the same person at the start of this project and now. She also mentioned that after the communication issues arose, KKI actually requested CWD's Distribution Superintendent at the time. There was no Engineering Manager at the time and the Distribution Superintendent was set to retire with his own job to do, making it impossible to happen.

Directors inquired if staff needs to do a better job procedurally in working with the contractor to avoid another situation like this and not withhold payment

Mr. Toppel informed the Board of Directors that he understands why the payment was withheld and if they would like to go more in depth about that then they can meet up to discuss it.

Directors thanked Mr. Toppel for a very comprehensive report and requested that this presentation be put on the District's website.

CONSENT CALENDAR

- 3. Minutes for the Regular Board Meeting – April 21, 2025**
- 4. Minutes for the Special Board Meeting – May 1, 2025**
- 5. Monthly Expenditure Report – March 2025**
- 6. Budget to Actual Report – March 2025**
- 7. Treasurer's Report – Quarter Ending March 31, 2025**

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

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:	4	Nays:	0	Absent:	1	Abstain:	0
Passed Unanimously:								

ACTION ITEMS

- 8. Amendment No. 2 to the Professional Services Agreement for Engineering Services during Construction of the La Vista Tank and Booster Pump Station Project- Kennedy Jenks**

Staff recommends that the Board of Directors authorize the General Manager to execute an Amendment No. 2 to the professional services agreement with Kennedy/Jenks Consultants, Inc. for \$111,476 and authorize a \$20,000 contingency for an amended total agreement cost not to exceed the amount of \$875,200.

Directors inquired whether Kennedy Jenks (K/J) already had a contract and a budget for engineering services during construction through the end of the project.

The General Manager informed the Board of Directors that they did have a contract already.

Directors inquired if this was additional money they are requesting.

The General Manager informed the Board of Directors that this is to amend the original contract by \$111,467.

Directors inquired if K/J's original budget was not adequate for engineering services during construction and why do they need more now and whether there are additional items that were not in the original scope.

The Engineering Manager informed the Board of Directors that the project got extended by more than a year.

Directors commented that the project got delayed and it sat dormant.

The Engineering Manager informed the Board of Directors that it was delayed but it was not totally dormant. There were RFIs that were handled back and forth but their time was reduced greatly during the delay. He mentioned that there is also some reallocation of work and K/J used more money into those tasks and now it needs more money to fund the tasks.

Directors inquired if their understanding of the situation was correct. Their understanding is that because the project was delayed by several years they need more hours to do the engineering services during construction then they originally estimated.

The Engineering Manager informed the Board of Directors that they were correct. In addition, K/J's hourly prices has gone up since four years ago. So the remaining amount of work for this next year is much higher than before.

Directors inquired the personnel on the Kennedy Jenks' team for this project and whether CWD staff knew who they were, or if it is a new team.

The Engineering Manager informed the Board of Directors that it is the same team since the beginning of the project and the main person of contact is Doug Henderson who is a long time engineer with Kennedy Jenks. They also mentioned that if there is an area that Doug is not familiar with, he works with the team of engineers within Kennedy Jenks to get the correct information. There is the engineer of record which is Jamie Kolkey and she is responsible for making sure that all the information that is given is reflecting the same information from her design.

Directors inquired if Kennedy Jenks has performed well in the past with regard to the project during construction. The Engineering Manager informed the Board of Directors that he has not been involved in the entire project. Since he has been there, Kennedy Jenks has been very responsive and the vast majority of the responses have been done within 7 days. The few times that K/J did take longer was for items that were not time sensitive.

Directors commented that they have had their doubts on the adequacy of their design and they recognize the low amount of change orders. The design did not include the tank demo problems which is a legitimate added cost and they wonder if it is due to their design specs not being thorough enough.

M/S Emmerson / 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:	4		Nays: 0	Absent: 1	Abstain: 0		
Passed Unanimously:								

9. Dugan Management & Engineering, Inc. (DME) Agreement Amendment No. [3] to Claremont Road and Fair Oaks Blvd at El Camino Ave Mainline Replacement Project (MRP)

Staff recommends that the Board of Directors authorize the General Manager to execute an Amendment No. 3 to the professional services agreement with DME for \$64,517 for an amended total not-to-exceed amount of \$335,005.

Directors commented that they are more comfortable with the idea to extend the contract to have the Fair Oaks Blvd Pipeline bid include this project.

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	
Paul Selsky	Aye	✓	Nay		Absent		Abstain	
Board Totals:	Ayes:	4		Nays: 0	Absent: 1	Abstain: 0		
Passed Unanimously:								

10. Garfield Well Site Access

Staff recommends that the Board of Director discuss the access requests, assess the security and liability topics, and approve any appropriate actions as necessary.

Directors commented that they drove by the well and it is now gated and with a sign for insurance purposes. The General Manager informed the Board of Directors that Ms. Flint, JPIA's Risk Control Manager, advised us to have proper signage at the well.

Ms. Flint commented CWD participates in the risk pool with ACWA JPIA. She mentioned that they look at the coverage the member participates in, safety enhancements, and potential loss exposures. In 2005 industry best practices have been encouraging water utilities to harden their physical infrastructure related to their critical assets. Then in about 2006, AWWA came up with best management practices guidelines for JPIA because they do have a lot of property and third party liability losses. In 2013/14 JPIA required its member to really harden the best practices. Around 2018, American Water Infrastructure Act was put into place which is a national act that requires water and wastewater districts to do a risk assessment for their critical infrastructure and harden their physical assets. State Water Resources Control Board (SWRCB) also gave guidance for water Districts on this topic as well.

Directors inquired as to what hardening the asset was and if it means to protect the asset from third party interference.

Ms. Flint informed the Board of Directors that they were correct and that was the broad definition of physical hardening of the assets. One example is access and the control of access of an infrastructure should be with staff. If a third party, like a vendor, needs access then they should be escorted by staff. She then gave the example of when she came to do CWD's risk assessment she was escorted by staff to each location. A water district should never want an unknown individual on the property. She mentioned that physical hardening could be gates and signage and many member have been added lighting and CCTV's to their critical infrastructure.

Ms. Young commented that they recognize CWD's concern with safety and the construction of the new well. They would like to sign a release of liability after construction. She then mentioned that they would not want access during construction and they would wait until that was over. She is trying to secure the future of access after construction of the well.

Ms. Lauer commented that her family has had access to the site for 67 years because they have a shop that is back there. She mentioned that she does not access the site a lot but when she does it's nice to be able to access her shop.

Ms. Young commented that they are paying a combined amount of \$400 in storage fees because they cannot currently store their stuff in the back of their properties since they do not have access. She then commented that they very rarely need access and they would only need access about 4-6 times a year.

Ms. Lauer commented that they never had any problems going back there and they never caused any problems, either. They also were maintaining the ditch so it does not flood.

Ms. Young commented that they would stay out of the way completely.

Ms. Lauer suggested if maybe they could schedule a time with the District for when they need to get their stuff out through the site.

Directors commented that they remember in past conversations that there was problem with the District accessing the site because cars were blocking the entrance.

Ms. Young commented that the car did not belong to them and that they knew the person who was blocking the access. They did not give them permission to park there.

Directors commented that they are in between a rock and a hard spot because they do not own the site personally and they have to keep in mind what is best for the District. All it takes is for one person to get injured on the property and CWD would be liable.

Ms. Lauer commented that they would be willing to sign a release of liability to avoid that.

Directors commented that the District's insurance is telling them that they have to physically harden the properties which includes gating off the site and not allowing unauthorized personnel on the properties alone unless they are escorted by staff. They then mentioned that they do not want to risk losing the District's insurance because if the District gets sued then JPIA will be carrying the bill.

Directors commented that they CWD wants to be a good neighbor and because they have had uncontrolled access to the property for about 67 years they would propose to give them access on an escorted basis whereby if they give the District advanced notice. Because it is so infrequent then staff could avail themselves for about an hour or so to go and escort them so they can be able to get the items they need through their back gate.

Ms. Young commented that it would be very much appreciated if they would allow that.

Directors inquired if they were trying to store their items on the Districts property.

Ms. Young informed the Board of Directors that their items were on their own property and they would just need access to their back gate. She mentioned that she just has her jet skis back there. She could just have access to the back gate to store them during the winter months. During the summer, they will store them off site so then they would really only need access about twice a year.

Directors inquired Ms. Flint if the proposal to give them escorted access was feasible.

Ms. Flint informed the Board of Directors that she would have to defer this to JPIA's member services department related to coverage for CWD. She mentioned that they are dealing with the excess carrier not just JPIA so this would be a question for JPIA to pose to the excess carrier to see if there would be any excess challenges in that avenue. Directors inquired if Ms. Flint could pose this question on their behalf so they can find out if agreeing to these terms would affect CWD's insurance or put it at risk.

Ms. Flint informed the Board of Directors that she would do this and would like to work with the General Manager to ensure that she has the question correctly.

Ms. Lauer commented that they understand the District's point of view on this and they just want to see if there could be a solution.

Directors commented that they do want to be good neighbors. If by allowing them access to the property, CWD loses its insurance; or if something were to happen to them on the property, then the rate payers are subject to whatever legal action they decided to pursue. This is a fiduciary responsibility that they believe they have for the rate payers that they cannot break.

Mr. Hansom inquired if the property was owned by CWD.

The General Manager informed him that it is CWD's property.

Mr. Hanscom then inquired if the gate was on the drive way or back on the access of the lot.

Directors informed Mr. Hanscom that the gate is at the end of the drive way.

Mr. Hanscom also inquired if there was only one property that was being impacted.

Directors informed Mr. Hanscom that there are two properties being impacted.

Directors inquired CWD's legal counsel for his opinion on the matter and if he thinks this would put the rate payers at risk.

Mr. Ferguson informed the Board of Directors that there is certainly the potential exposure and the District has the right to deny access. He mentioned that he was asked to look at the question of whether the historic use from a property law perspective for continued rights of access. He thinks that it does not apply here because it has been permissive to some extent with acknowledgment from the District that it was ok for them to use the site. This would not constitute the continued rights of access and the District could deny access. He mentioned that it would be enough for him from what he heard from the insurance carrier to just deny the access, but he could be being overly conservative.

Directors inquired if they are establishing precedence if they allow them access for other properties that are in similar situations for those neighbors to come ask for access as well.

Mr. Ferguson informed the Board of Directors that it would not establish legal precedence and that would be more a political issue than a legal issue. He then mentioned that every case would need to be assessed on its own circumstances.

Directors inquired as to when the well would be replaced.

The General Manager informed the Board of Directors that the well site will be in construction for the electrical of the new generator. The contractors are waiting for all the materials to arrive in order to close off the site for construction. They are anticipating that it will be by this summer.

Directors thanked Ms. Flint for taking the time to attend the meeting and answer their questions.

M/S Emmerson / Greenwood to table item until next meeting in order to receive the information requested from JPIA.

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:	3	Nays:	0	Absent:	1	Abstain:	1

Motion Passed:**11. A Resolution to Amend Carmichael Water District Regulation 1010 – Claims Procedures and Delegate the Authority to Allow, Deny, or Settle Government Claims for Money Not Exceeding \$10,000 Budget Adjustment for Raw Water Pump VFD Replacement**

Staff recommends that the Board of Directors adopt Resolution 05192025-01 - A Resolution to Amend Carmichael Water District Regulation 1010 – Claims Procedures and Delegate the Authority to Allow, Deny, or Settle Government Claims for Money Not Exceeding \$10,000.

Directors commented that the updates are very clear.

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

Mark Emmerson	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Jeff Nelson	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input checked="" type="checkbox"/>	Abstain	<input type="checkbox"/>
Ronald Davis	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Ron Greenwood	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Paul Selsky	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Board Totals:	Ayes:	4	Nays:	0	Absent:	1	Abstain:	0
Passed Unanimously:								

12. Senate Bill 1100 Job Descriptions Update

Staff recommends that the Board of Directors authorize the General Manager to remove the driver's license requirement from the job descriptions for Finance Manager, Accountant, Billing Supervisor, Billing Specialist, and Administrative Specialist positions.

No comments.

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

Mark Emmerson	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Jeff Nelson	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input checked="" type="checkbox"/>	Abstain	<input type="checkbox"/>
Ronald Davis	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Ron Greenwood	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Paul Selsky	Aye	<input checked="" type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Board Totals:	Ayes:	4	Nays:	0	Absent:	1	Abstain:	0
Passed Unanimously:								

13. ACWA Elections for 2026 -27 Term – Officers Positions and Region Board Members

Staff recommends that the Board of Directors consider nominating a director to be considered for the ACWA President, Vice President, or a Region Board Member position. Staff will place a nominating resolution on the June 16, 2025 agenda for possible Board action.

Director Davis commented that he will not be running for the Region 4 Board this year.

Directors nominated President Greenwood to be the authorized voting representative for the 2026-27 ACWA Election on behalf of the District.

ANNOUNCED PUBLIC HEARING AND ADJOURNED REGULAR MEETING TO PUBLIC HEARING: 7:32 p.m.

PUBLIC HEARING:**14. Presentation of the Fiscal Year 2025-2026 Draft Budget (Information included in Board Packet)****a. Director's Comments**

Directors inquired if the Golden State Water revenue is being reflected in the revenue source

The Finance Manager informed the Board of Directors that it is being reflected and staff is estimating that Golden State water will be paying \$1.4 million.

b. Public Comments

Mr. Christian commented that under the Revenues section of the slide presentation, there were some bullet points that raised some concern for him. He mentioned that the first one was the demand for water is increasing. Would that on its own not create more revenue without doing another rate increase? Then it

stated that the use of grant funding increased which contributed to revenue resources. If that were the case, then wouldn't that also offset the need for a rate increase? He then inquired if the 9.5% increase effective on January 1, 2025 was the last approved rate increase.

The Finance Manager informed him that he was correct and there were no more approved rate increases after January 2025.

Directors commented that it is still an open question because they are doing a rate study.

Mr. Christian commented that he is always going to play the devil's advocate and is always going to be on the side of the rate payer. He then inquired about the loans that the District was paying off and if the District had thought about taking some of the impact of the increase and paying off the loans so then they would not have to do the interest payments.

Directors commented that this was one of the questions they are looking at for the rate study.

Mr. Christian then commented that he would like to see those bullet points be incorporated into the rate study.

Directors commented that getting loans and grant funding would offset the need for a rate increase for those particular projects. However, as the Finance Manager has referred to, the ten year CIP has a lot of necessary projects that need to be completed and they are all very expensive to get done. They mentioned that while they have brought in a lot of funding for the current projects; the money that we would have used to fund those projects are now being reallocated to pay for a portion of the future projects.

Mr. Christian commented that the issue he is having is that District staff are speculating if the District has to do those projects.

Directors commented that staff are not speculating. Those projects are within the expected work for the next 10 years and there are projects beyond the 10 years that are critical. They appreciate the questions that Mr. Christian has asked because it has given them the opportunity to explain how this business is so different than all the others. CWD is providing a service that every once in a while the state asks you not to buy it, which puts us at a negative amount for revenue.

Mr. Hanscom commented that he participated in the last two rate studies. He recalls the first one in which the District was getting ready to get into a period where there were going to be a lot of capital improvement projects and they knew that there was going to be some drastic rate increases. The average historical rate increase is 5.8% and he wonders what the cost of living has increased to during that time. He commented that the rate payer's income is not increasing as fast as the amount of everything else.

The General Manager informed Mr. Hanscom that the 5.8% average increase over the past 20 years does not include the last 5 years. She also mentioned that in the budget document, on page 23, one can see the amount of capital improvement project that have been done in the last three years compared to all the years before. In last year's budget, there was a slide that compared the last 20 years and it is clear that the amount of CIP has double or even tripled since then. The last 4 to 5 years the rate increases have gone to capital improvements and that is the most expensive part.

Mr. Hanscom commented that his point was to just ask the District to keep getting grants to help offset any rate increases.

ADJOURNED PUBLIC HEARING AND OPENED REGULAR MEETING: 8:10 p.m.

INFORMATIONAL ITEMS**15. La Vista Tank and Booster Pump Project, Continuous Update #3**

No Comments, discussed in previous presentation.

16. Amendment No. 6 to the Professional Services Agreement for ASR Well Design and Construction Services with GEI, Inc.

No Comments.

17. Cross Connection Control Policy

No Comments.

18. River Arc Project - Environmental Review – Notice of Preparation of Environmental Impact Report and Scoping Meeting

Directors commented that this was the number one topic at Cap-to-Cap with the congress.

COMMITTEE REPORTS**19. Sacramento Groundwater Authority (SGA) Board Meeting**

Director Selsky Reports Out.

Director Selsky reported that the last meeting for SGA was in April and he missed that meeting and the next meeting

20. Carmichael Chamber of Commerce

Director Nelson Reports Out.

The General Manager reported at the most recent meeting the following items were discussed.

1. The Effie Yaw Nature center is up and running now.
2. A big issue in the legislature for the State of California is the \$12 billion budget short fall for the upcoming budget.
3. Congressman Bera's office thought the resolution for the FY 25 appropriation was dead on arrival but are now working on a continuing resolution.
4. She indicated that CWD's budget was going to be adopted in June.

21. Other Committee Report

Directors Report Out.

No Reports.

STAFF REPORTS:**22. General Manager and District Activity Report – April 2025**

Discussed with the Board.

23. Director's Expense Reimbursement Summary – April 2025

No comments.

GENERAL CORRESPONDENCE/INFORMATION:**24. Director's Written and/or Oral Reports****1. Director Emmerson****a. Attended AWCA Spring Conference**

- i. Was unable to attend the entire conference but he did attend the JPIA Board of Directors Meeting and they discussed the following items.
 1. The risk pool has received three national awards for JPIA which include the AGRiP, CAJPA, & GFOA.
 2. They have ancillary programs and the biggest one now, with a membership of 280, is the cyber liability. The liability and property program is experiencing big cost due to the fires. The CWIF has received a 6.35% interest return and have realized gains of about \$22 million that is going to be returned back to the members this year.

ANNOUNCED CLOSED SESSION AND ADJOURNED OPEN SESSION TO CLOSED SESSION: 8:26 p.m.**CLOSED SESSION****25. EMPLOYEE NEGOTIATIONS - AFSCME LOCAL 146 (Government Code section 54957.6)****26. PUBLIC EMPLOYEE PERFORMANCE EVALUATION – INVOLVING THE GENERAL MANAGER (Government Code sections 54957 and 54957.6)****ADJOURNED CLOSED SESSION AND OPENED REGULAR SESSION 9:20 p.m.**

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

ADJOURNMENT: President Greenwood adjourned the meeting at: **9:21 p.m.**

Ron Greenwood, Board President

Cathy Lee, Board Secretary



**Special Board Meeting
Wednesday, May 21, 2025, 1:00 p.m.**

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

MINUTES

MEETING CANCELED DUE TO LACK OF QUORUM

ATTENDANCE:

Directors: Ron Greenwood

Staff: Cathy Lee

Public: Zero (0) Members of the Public

CALL TO ORDER: At 1:05 PM President Greenwood called the meeting to order and canceled the Special Board meeting because attendance was not sufficient to reach a quorum.

Ron Greenwood, Board President

Cathy Lee, Board Secretary

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Special Board Meeting
Friday, May 23, 2025, 7:00 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 23rd day of May at 7:00 a.m.

ATTENDANCE:

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

Staff: Cathy Lee

Public: Zero (0) Members of the Public

CALL TO ORDER: President Greenwood called the meeting to order at: **7:05 a.m.**

PUBLIC COMMENT:

1. **Public Comment**

No comments.

ANNOUNCED CLOSED SESSION AND ADJOURN OPEN SESSION TO CLOSED SESSION: 7:05 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: 8:50 a.m.

REPORT OUT OF CLOSED SESSION: None.

ADJOURNMENT: President Greenwood adjourned the meeting at: **8:50 a.m.**

Ron Greenwood, Board President

Cathy Lee, Board Secretary

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CARMICHAEL WATER DISTRICT
MONTHLY EXPENDITURES REPORT
For the period April 1 to April 30, 2025

AGENDA ITEM 6

Check #	Check date	Payee	Description: "Division: Department - Object - detail data"	Amount
76991	4/7/2025	ACWA JPIA (Dental vision life et al)	All Depts: April Dental, vision, EAP	2,609.56
76992	4/7/2025	Amazon Capital Services Inc	Admin svcs: IT- Supplies and tools, Admin svcs: Gen admin - Office Supplies, Distribution: Admin: - Safety	122.17
76993	4/7/2025	Berco Redwood Inc	Production: Well Operations - Repairs and maintenance	3,608.18
76994	4/7/2025	Best Cleaning Team LLC	Production: WTP Ops, Admin: General Admin - Facility Maint - Janitorial - March	1,500.00
76995	4/7/2025	BSK Associates	Production: WTP Operations, Well Operations - Water quality, CIP - Winding Way well	5,543.00
76996	4/7/2025	Buckmaster Office Solutions	Admin svcs: IT - Equipment repairs and maintenance	366.76
76997	4/7/2025	Carahsoft Technology Corp	Admin svcs: IT - Cybersecurity - Two year subscription	7,779.36
76998	4/7/2025	Ditch Witch West	Distribution: Admin- Equipment repairs and maintenance	3,495.72
76999	4/7/2025	EMA Inc	CIP - SCADA upgrade	2,091.00
77000	4/7/2025	GEI Consultants Inc	CIP - Ladera Well, Winding Way, Barret Rd Well	10,457.03
77001	4/7/2025	Grainger	Production: WTP Ops - Systems maintenance, Production: Admin - Safety	2,756.52
77002	4/7/2025	Hach Company	Production: Admin - Lab chemicals and supplies	902.30
77003	4/7/2025	Lightfoot Truck Repair Inc dba Lightfoot	Distribution: Admin- Vehicle repairs and maintenance	125.00
77004	4/7/2025	Network Design Associates Inc	Admin svcs: IT - Cybersecurity	3,877.00
77005	4/7/2025	Patron Trucking Inc	Distribution: Transmission and distribution - Road restoration expense	1,984.93
77006	4/7/2025	Quill.com	Admin svcs: Gen admin - Office Supplies	122.48
77007	4/7/2025	Security Contractor Services Inc	CIP - Winding way well	410.63
77008	4/7/2025	Univar USA Inc	Production: WTP Operations - Chemicals	8,638.14
77009-770046	4/17/2025	PRINTING ERROR		
77047	4/17/2025	Amazon Capital Services Inc	Admin:Gen-Office supplies, Distrib:Admin-Safety, Tools, Equip R&M, Trans/distrib-Infrastr repairs, Prod:WTP-Systems maint	998.81
77048	4/17/2025	BSK Associates	Production: WTP Operations - Water quality	420.00
77049	4/17/2025	California Surveying and Drafting Supply	Admin svcs: Engineering - Software and licensing - GIS monthly software fees - April	150.00
77050	4/17/2025	Carmichael Tire & Auto Repair	Production: Admin- Vehicle repairs and maintenance	194.78
77051	4/17/2025	CD & Power (Calif Diesel & Power)	Production: WTP Operations - Systems maintenance, Production: Well Operations - Repairs and maintenance	3,425.00
77052	4/17/2025	City of Sacramento	Production: WTP Operations - Water quality	1,075.75
77053	4/17/2025	Clark Pest Control	Admin svcs: General admin, Production: WTP Ops - Facility expenses	309.00
77054	4/17/2025	Comcast	Admin svcs: IT - Telecommunication	980.64
77055	4/17/2025	Dugan Management and Engineering Inc	CIP - Claremont MLRP	5,524.25
77056	4/17/2025	East Bay Municipal Utility District	Production: WTP Operations - Chemicals	873.30
77057	4/17/2025	Filmtec Corp (formerly Evoqua)	Production: WTP Operations - Chemicals	1,497.73
77058	4/17/2025	GEI Consultants Inc	CIP - La Sierra well	24,645.31
77059	4/17/2025	Grainger	Prod: Admin - Lab chemicals and supplies, Prod: Admin - Safety equipment	660.40
77060	4/17/2025	Hach Company	Prod: Admin - Lab chemicals and supplies	811.36
77061	4/17/2025	Home Depot	Distribution: Transmission and distribution- Infrastructure repairs	733.88
77062	4/17/2025	Hunt & Sons Inc	Distribution: Admin - Fuel	2,402.07
77063	4/17/2025	International Student Tours inc	Admin svcs: Board of Directors - Travel and meetings - Cap to Cap program,	4,695.00
77064	4/17/2025	Koch & Koch Inc	CIP - La Vista Tank and pump station	88,086.63
77065	4/17/2025	New Image Landscape Company	Admin svcs: Gen admin, Prod: WTP Ops - Facility maintenance, Well Ops - Repairs and maintenance	1,963.00
77066	4/17/2025	O'Reilly Auto Parts	Distribution: Admin - Equipment repairs and maintenance, Production: Admin - Vehicle maintenance	43.91
77067	4/17/2025	Pace Supply Corp	Inventory, Distribution: Admin - Safety	14,167.88
77068	4/17/2025	PG&E	Production: WTP Ops - Power	46.16
77069	4/17/2025	Quillcom	Admin svcs: Gen admin, Production: Admin - Office supplies	397.65
77070	4/17/2025	Red Wing Business Advantage Account	Distribution: Admin - Safety	578.28

CARMICHAEL WATER DISTRICT
MONTHLY EXPENDITURES REPORT
For the period April 1 to April 30, 2025

Check #	Check date	Payee	Description: "Division: Department - Object - detail data"	Amount
77071	4/17/2025	Royal Electric Company	CIP - Garfield Generator	10,450.00
77072	4/17/2025	Sacramento County Recorder	Admin svcs: Finance: Customer Service - Lien release fee	20.00
77073	4/17/2025	Sacramento County Utilities	Production: WTP Operations - Utilities	96.87
77074	4/17/2025	Sierra National Construction	CIP - La Sierra well	327,607.50
77075	4/17/2025	SMUD	Production: Well Ops and WTP Ops, Admin svcs: General admin - Facility expenses - Power	76,486.56
77076	4/17/2025	Technology Unlimited	Admin svcs: Finance: Customer Service - Payment processing fees	1,916.00
77077	4/17/2025	Telstar Instruments Inc	Production: Well Ops - Well repairs and maintenance, Production: Admin- Equipment maintenance	8,976.00
77078	4/17/2025	Toppel Consulting Inc	CIP - La Vista Tank and pump station	31,772.00
77079	4/17/2025	Waste Management of Sacramento	Admin svcs: General admin, Production: WTP Ops - Facility expenses: Utilities	687.00
77080	4/17/2025	Water Education Foundation	Admin svcs: Water Efficiency - Water Education Foundation membership	1,500.00
77081	4/17/2025	Well Industries Inc DBA North State Drill	CIP - Ladera well, CIP - Winding Way well, CIP - Barrett Road Well	339,821.18
77082	4/17/2025	WorkSmart Automation Inc	Production: WTP Operations - SCADA	675.00
EFT				
40698	4/2/2025	CalPERS 457 Plan	457 Payment for the pay period 3/17/25-3/30/25	5,053.96
40699	4/18/2025	CalPERS 457 Plan	457 Payment for the pay period 3/31/25-4/13/25	5,157.07
40700	4/29/2025	CalPERS 457 Plan	457 Payment for the pay period 4/14/25-4/27/25	5345.86
40701	4/28/2025	CalPERS (Pension contribution)	Pension Contribution (ER and EE) Pay period 3/17/25-3/30/25	19,191.67
40702	4/24/2025	CalPERS (Pension contribution)	UAL Additional voluntary contribution	300,000.00
40703	4/1/2025	CalPERS (Medical)	All Depts: Benefits - April Medical insurance premium	72,781.76
40704	4/1/2025	Mutual of Omaha	All Depts: Benefits - April LTD and life insurance premiums	1,377.77
Check register total				
		Payroll	Employee and Director pay, payroll taxes, payroll processing fees (Pay dates: 4/2/25, 4/16/25, 4/30/25)	339,114.21
Total cash expenditures				
*****INFORMATIONAL*****				
<u>Bond expenditures to be reimbursed to the General Fund from the Bond Proceeds account</u>				
77064	4/17/2025	Koch & Koch Inc	CIP - La Vista Tank and pump station	88,086.63
77078	4/17/2025	Toppel Consulting Inc	CIP - La Vista Tank and pump station	31,772.00
Total Bond expenditures				
119,858.63				

CARMICHAEL WATER DISTRICT
Budget to Actual
For the ten months ended April 30, 2025
83% of the Budget expired

	April Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	\$ Budget Available	% of Budget Used
Revenue					
District revenue					
Water sales	\$ 1,431,131	\$ 15,149,387	\$ 17,820,000	\$ 2,670,613	85.01%
Water service fees and charges	4,618	47,439	80,000	32,561	59.30%
Other service fees	4,648	124,393	134,000	9,607	92.83%
Grant revenue	2,565,498	3,524,495	7,750,000	4,225,505	45.48%
Interest income	83,676	376,234	400,000	23,766	94.06%
Miscellaneous	6,136	57,940	76,450	18,510	75.79%
Facility fees	-	-	50,000	50,000	0.00%
Total District revenue	4,095,707	19,279,888	26,310,450	7,030,562	73.28%
Outside boundary sales					
Treatment and delivery charges	103,408	871,209	1,452,000	580,791	60.00%
Total Outside boundary sales	103,408	871,209	1,452,000	580,791	60.00%
TOTAL REVENUE	4,199,115	20,151,097	27,762,450	7,611,353	72.58%
Expenditures					
Bond interest expense					
COPS Interest	77,529	786,478	947,131	160,653	83.04%
Administrative Services					
Board of Directors					
Director's Fees, taxes, insurance	4,418	20,343	37,948	17,605	53.61%
Board expenses	-	26,424	65,500	39,076	40.34%
Total Board of Directors Department	4,418	46,767	103,448	56,681	45.21%
Office of the General Manager					
Salaries, benefits, taxes	28,404	277,709	344,073	66,364	80.71%
Studies, contracts, water rights/water management	2,250	50,633	180,000	129,367	28.13%
Total Office of the General Manager	30,654	328,342	524,073	195,731	62.65%
Engineering/Technical Services					
Salaries, benefits, taxes	71,055	582,010	760,041	178,031	76.58%
Departmental staff allocation to Production	(12,872)	(128,720)	(154,469)	(25,749)	83.33%
Software licensing, supplies, general office	1,786	15,082	28,500	13,418	52.92%
General engineering/contract services	2,322	27,934	50,000	22,066	55.87%
Total Engineering Department	62,291	496,306	684,072	187,766	72.55%
Finance					
Salaries, benefits, taxes	56,616	391,774	546,429	154,655	71.70%
Professional and contract services	-	38,280	80,000	41,720	47.85%
Fees and charges	11,215	15,198	19,460	4,262	78.10%
Total Finance Department	67,831	445,252	645,889	200,637	68.94%
Customer Service					
Salaries, benefits, taxes	39,972	312,120	392,781	80,661	79.46%
Billing expenses	6,346	55,835	76,000	20,165	73.47%
Payment processing and collection fees	2,650	43,881	62,900	19,019	69.76%
Professional and contract services	-	-	5,000	5,000	0.00%
Total Customer Service Department	48,968	411,836	536,681	124,845	76.74%
Human Resources					
Salaries, benefits, taxes	13,381	102,656	127,402	24,746	80.58%
Recruitment, exams/screenings, contract services	137	5,797	12,500	6,703	46.38%
Legal and litigation expense	-	2,445	62,000	59,555	3.94%
Training/certification/travel/meetings	-	5,848	17,200	11,352	34.00%
Employee recognition	-	1,428	3,000	1,572	47.60%
Total Human Resources Department	13,518	118,174	222,102	103,928	53.21%

CARMICHAEL WATER DISTRICT
Budget to Actual
For the ten months ended April 30, 2025
83% of the Budget expired

	April Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	\$ Budget Available	% of Budget Used
Information Technology					
Contract services	680	31,116	70,200	39,084	44.32%
Software licensing, website maintenance, cybersecurity	8,191	96,872	153,500	56,628	63.11%
Hardware and supplies	-	4,095	20,500	16,405	19.98%
Equipment repairs/maintenance	-	3,725	10,000	6,275	37.25%
Telecommunications	708	14,244	15,000	756	94.96%
Allocation of IT expenses to Production	(3,592)	(35,920)	(43,100)	(7,180)	83.34%
Total Information Technology Department	5,987	114,132	226,100	111,968	50.48%
Public Outreach and Water Efficiency					
Public Outreach					
Outreach Printing, mailing, postage	-	215	15,000	14,785	1.43%
Total Public Outreach	-	215	15,000	14,785	1.43%
Water Efficiency					
Salaries, benefits, taxes	9,967	85,532	114,293	28,761	74.84%
Dues and memberships	1,312	13,122	15,500	2,378	84.66%
General expenses, water loss audit services	-	5,000	6,250	1,250	80.00%
Water efficiency outreach events	-	1,565	10,000	8,435	15.65%
Turf replacement/Rachio grant program and conservation supply	-	15,124	139,270	124,146	10.86%
Total Water Efficiency	11,279	120,343	285,313	164,970	42.18%
Total Public Outreach/Water Efficiency Department	11,279	120,558	300,313	179,755	40.14%
General Administration					
Dues and memberships	10,231	135,608	183,751	48,143	73.80%
Facility expenses	2,726	59,965	116,500	56,535	51.47%
Fees and permits	-	8,693	13,570	4,877	64.06%
General administration expenses	72	6,647	17,750	11,103	37.45%
Retiree medical	24,158	218,906	275,000	56,094	79.60%
Insurance: Property, general liability, auto	9,508	98,742	110,500	11,758	89.36%
Total General Administration Department	46,695	528,561	717,071	188,510	73.71%
Total Administrative Services expenses	291,641	2,609,928	3,959,749	1,349,821	65.91%
Production expenses					
Production Administration					
Salaries, benefits, taxes	124,938	1,015,816	1,336,319	320,503	76.02%
General administration expenses	15,059	172,491	204,550	32,059	84.33%
Training/certification/travel/meetings	850	2,625	7,000	4,375	37.50%
Total Production Administration Department	140,847	1,190,932	1,547,869	356,937	76.94%
Treatment Plant Operations					
Facility expenses	2,780	29,009	49,300	20,291	58.84%
Water quality	893	30,486	45,000	14,514	67.75%
Chemicals	16,242	206,218	257,000	50,782	80.24%
Power	-	761,305	951,600	190,295	80.00%
Systems maintenance	1,044	73,013	202,500	129,487	36.06%
Fees, permits, services	5,254	59,410	96,875	37,465	61.33%
Total Treatment Plant Operations Department	26,213	1,159,441	1,602,275	442,834	72.36%
Well Operations					
Power	-	206,835	367,750	160,915	56.24%
Well site/Reservoir maintenance	1,275	47,329	65,800	18,471	71.93%
Licenses, fees, permits	-	3,898	5,000	1,102	77.96%
Total Well Operations Department	1,275	258,062	438,550	180,488	58.84%
Total Production Expenses	168,335	2,608,435	3,588,694	980,259	72.68%

CARMICHAEL WATER DISTRICT
Budget to Actual
For the ten months ended April 30, 2025
83% of the Budget expired

	April Actual	Fiscal YTD Actual	Fiscal Year Amended Budget*	\$ Budget Available	% of Budget Used
Distribution Expenses					
Distribution Administration					
General administration and facility expenses	1,233	23,131	76,800	53,669	30.12%
Fees, permits, services	300	10,658	30,400	19,742	35.06%
Vehicle repairs and maintenance	250	4,086	56,000	51,914	7.30%
Fuel	-	23,788	45,000	21,212	52.86%
Training/certification/travel/meetings	-	1,762	12,000	10,238	14.68%
Total Distribution Administration Department	1,783	63,425	220,200	156,775	28.80%
Transmission and Distribution Maintenance					
Salaries, benefits, taxes	116,506	964,130	1,473,797	509,667	65.42%
Capitalized labor, benefits, taxes	(17,027)	(139,077)	(493,319)	(354,242)	28.19%
Infrastructure repairs	26,243	193,353	505,500	312,147	38.25%
Road restoration	2,879	107,122	436,000	328,878	24.57%
Total Transmission and Distribution Maintenance Department	128,601	1,125,528	1,921,978	796,450	58.56%
Total Distribution Expenses	130,384	1,188,953	2,142,178	953,225	55.50%
TOTAL O&M EXPENSES	667,889	7,193,794	10,637,752	3,443,958	67.63%
Capital expenditures					
Capital funded by rates and grants					
Administrative Services- Capital improvements	-	38,701	110,000	71,299	35.18%
Production - WTP Facility improvements	-	286,083	526,500	240,417	54.34%
Production - Wells (Includes grant funded projects)	380,168	5,046,760	9,521,700	4,474,940	53.00%
Production - Vehicles and equipment	-	-	90,000	90,000	0.00%
Distribution - In house constructed assets	31,409	485,582	600,000	114,418	80.93%
Distribution - Mainline projects	366	137,333	2,350,000	2,212,667	5.84%
Distribution - Vehicles and equipment	-	-	270,000	270,000	0.00%
Total Capital funded by rates and grants	411,943	5,994,459	13,468,200	7,473,741	44.51%
Capital funded by reserves					
Membrane replacement expense	-	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	-	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	650,000	-	100.00%
Membrane replacement	200,000	200,000	200,000	-	100.00%
Facilities fees	-	-	50,000	50,000	0.00%
Ranney collector reserve	500,000	500,000	500,000	-	100.00%
Capital replacement reserves	-	-	(188,502)	(188,502)	0.00%
Total Reserve Funding/(Uses)	1,350,000	1,350,000	1,211,498	(138,502)	111.43%
Total Expenditure, Debt service, Fund Sources/(Uses), Reserves	2,429,832	16,267,078	27,762,450	\$ 11,495,372	58.59%
Budget surplus (deficiency)	\$ 1,769,283	\$ 3,884,019	\$ -		
Capital projects funded by Bonds					
CIP - La Vista Tank and Pump Station	\$ 18,472	\$ 1,696,741	\$ 4,000,000	\$ 2,303,259	42.42%
Total Capital projects funded by Bonds	\$ 18,472	\$ 1,696,741	\$ 4,000,000	\$ 2,303,259	42.42%

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Capital Improvement Project Status Report As of March 31, 2025										
Fiscal year 2024-25										
GL #	RATE/GRANT FUNDED PROJECTS	Adopted budget	YTD Budget amendments	Adjusted budget	Expenditures to date	Budget available	% of Budget used	Prior years' expenditures	Total Project expenditures to date	% Complete
	Distribution									
10-011105-33	Claremont/Jeffrey/Coda	2,500,000	(250,000)	2,250,000	124,423	2,125,577	6%	83,430	207,853	9%
Various	Distribution Infrastructure - In house projects	493,319	106,681	600,000	454,173	145,827	76%	0	454,173	76%
10-011106-04	Garfield - Engle/ WTP Transmission lines (Phase 1,2)	500,000	(400,000)	100,000	12,544	87,456	13%	0	12,544	1%
10-011101-10	Transportation equipment (Veh #13, #33)	180,000	-	180,000		180,000	0%	0	-	75%
10-011101-09	Other equipment	90,000	-	90,000		90,000	0%	0	-	0%
	Total Distribution	3,763,319	(543,319)	3,220,000	591,140	2,628,860	18%	83,430	674,570	
	Production									
	Treatment plant									
10-011105-31	SCADA Improvement w/ PLC Upgrade and new server	800,000	(550,000)	250,000	53,456	196,544	21%	89,095	142,551	8%
10-011105-30	BWTP Building rehab	125,000	(48,000)	77,000	-	77,000	0%	-	-	0%
10-011105-01	WTP Roof replacement	350,000	(117,000)	233,000	232,627	373	100%	-	232,627	100%
10-011105-35	Compressor replacement	-	14,500	14,500		14,500	0%		-	0%
	Wells					-				
10-011105-25-27	La Sierra Well - GRANT FUNDED (\$2.0M USBR, \$4.0 DWR)	3,600,000	-	3,600,000	1,882,046	1,717,954	52%	2,103,994	3,986,040	66%
10-011105-19	Ladera ASR Well # 2 (FED EPA Stag \$2.5M, Artesian VA)	2,000,000	-	2,000,000	1,329,781	670,219	66%	116,583	1,446,364	23%
10-011105-28	Winding Way Well Replacement (DWR \$2.5M, Artesian VA)	2,000,000	-	2,000,000	1,180,767	819,233	59%	935,407	2,116,174	34%
10-011106-20	Garfield generator,electrical improvements	-	1,400,000	1,400,000	128,443	1,271,558	9%	70,313	198,755	14%
10-011105-32	Barret Road Well demolition	250,000	-	250,000	136,315	113,685	55%	7,683	143,998	58%
10-011105-02	ASR Study (La Sierra, Ladera, Winding Way)	50,000	(50,000)	-	-	-	-	-	-	-
10-011105-36	Well valve project	30,000	(30,000)	-	-	-	-	-	-	-
10-011105-34	Dewey Well Destruction	-	250,000	250,000	9,240	240,760	4%	4,344	13,584	5%
10-011105-36	Well systems equipment replacement	-	21,700	21,700		21,700	0%	-	-	-
10-011101-10	Vehicle replacement (Veh #38)	90,000	-	90,000		90,000	0%	-	-	50%
	Total Production	9,295,000	891,200	10,186,200	4,952,674	5,233,526	49%	3,327,419	8,280,093	
	Administration									
10-011113-02	HVAC/Evap replacement	40,000	10,000	50,000	-	50,000	0%	-	-	30%
10-011113-01	District-wide security	-	60,000	60,000	38,701	21,299	65%	17,756	56,457	100%
	Total Administration	40,000	70,000	110,000	38,701	71,299	35%	17,756	56,457	
	TOTAL RATE/GRANT FUNDED CAPITAL PROJECTS	13,098,319	417,881	13,516,200	5,582,515	7,933,685	41%	3,428,604	9,011,120	
	FUNDED BY RESERVES									
35-208714-00	Membrane replacement	200,000	-	200,000	177,405	22,595	89%	-	177,405	89%
10-011112-01	Sacramento County impact projects	200,000	-	200,000	6,420	193,580	3%	-	6,420	3%
	TOTAL FUNDED BY RESERVES	400,000	-	400,000	183,825	216,175	46%	-	183,825	
	BOND FUNDED PROJECTS									
10-011106-01-03	La Vista Tank and Pump station	-	4,000,000	4,000,000	1,415,289	2,584,711	35%	10,518,122	11,933,411	69%
	TOTAL BOND FUNDED CAPITAL PROJECTS	-	4,000,000	4,000,000	1,415,289	2,584,711	0%	10,518,122	11,933,411	
	TOTAL CAPITAL PROJECTS	\$ 13,498,319	\$ 4,417,881	\$ 17,916,200	\$ 7,181,630	\$ 10,734,571	40%	\$ 13,946,726	\$ 21,128,355	

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Topic: Garfield Well Site Access

Date: June 16, 2025

Item For: Action

Submitted By: Cathy Lee, General Manager

Aaron Ferguson, Legal Counsel

BACKGROUND

The District's Garfield Well was drilled in August 1946 and is the oldest well the District owns. The well sits on a parcel a bit greater than half of an acre and the site is currently used for the well, related appurtenances, an oak tree mitigation area to replace oak trees removed as part of the La Vista Tank and Pump Station Project, and a soils storage and stockpile area, until the La Vista Tank and Pump Station is complete. The Garfield Well is scheduled for electrical equipment upgrade this summer and a well replacement in the next 2 to 5 years. Various contractors are expected to be onsite for the work.

Based on the need for the District's use of this facility, the concerns and recommendations by the District's insurance and legal teams for liability, and previously observed improper access and site usage at the facility, the District's legal team sent a letter to all eight (8) parcel owners adjacent to the well site directing that they stop accessing the site. Two property owners attended the District's April and May 2025 meeting to request continued access to the site.

SUMMARY/DISCUSSION

The District's Legal Counsel has advised that the neighbors' historic access to and uses of the Property are insufficient to support a claim to a prescriptive right because of the District's prior approval of, or at least acquiescence to, such uses and access. However, the District's current change in its position regarding use and access may, in the future, support prescriptive claims. Civil Code section 1007 should allow the District to counter any prescriptive claims.

JPIA's Risk Control Manager visited the Garfield Well site as part of its recurring risk assessment. A follow up letter was sent to staff with a copy to Director Emmerson as the District's JPIA representative. The observation for the site visit is listed below:

“Site Visits

David, Gaby, and I toured the corporate yard, La Vista Tank and Booster System, and Garfield Avenue Well site. Additional time was spent at the Garfield Avenue Well site with an emphasis on access and security. The JPIA's Risk Management Department encourages member agencies to evaluate site security decisions and controls based on the characteristics of each member's facility. Moreover, the American Water Works Association (AWWA) recommends water and wastewater utilities establish physical and procedural controls to restrict access to utility infrastructure to only those conducting authorized, official business, and to detect unauthorized physical intrusions.

A JPIA Commitment to Excellence Program (C2E) Infrastructure Loss Reduction Focus Area best practice is to reduce third party liability exposure; by posting signs that include the property

owner's site name, address, and emergency contact telephone number, and the installation of "No Trespassing" signs at appropriate locations around the property owned by the District.

To be effective and enforceable, signs deterring crime should adhere to state and/or local ordinances, so it is a good idea to reference the proper California Penal Code and any other local code of law. Local ordinances will also outline sign guidelines or regulations prescribing the size, quantity, and location of signs. You may access Sacramento County ordinances [here](#).

Carmichael Water District staff should visit this site routinely to ensure proper security, and only authorized access is permitted at its Garfield Well site. If the District observes continued unauthorized access, a future consideration at this facility may be the installation of perimeter fencing on property owned by Carmichael Water District. An extension cord was observed over a neighbor's fence near the access gate to this well site. To improve security at the Garfield Well site, the District is encouraged to assess if the entry gate and fence line could be relocated closer to the street."



Figure 1 – Garfield Well Site. Planned facilities are in gray. Access requests from adjacent neighbors are outlined in blue.

Additionally, JPIA indicated that allowing public access to District owned property increases the risk exposure. If this activity incurs liability losses, the District's liability contribution amounts will also increase. Under the District's coverage, JPIA will respond to claims for which the District is deemed legally liable. The contribution costs are driven by payroll and losses.

JPIA further indicated that, if the District desires to allow continued access under certain circumstances, the District can limit its risk exposure by executing an access agreement and transferring the risk to the homeowner and requiring the homeowner to indemnify and hold harmless the District, and provide insurance naming the District as an additional insured.

FISCAL IMPACTS

None.

RECOMMENDATION(s)

Staff recommends that the Board of Director discuss the access requests, assess the security and liability topics, approve any appropriate actions, and direct staff as necessary.

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Topic: Cross Connection Control Program and Regulation Adoption

Date: June 3, 2025

Item For: Action

Submitted By: David Biagi, Production Superintendent

BACKGROUND

At the last regular board meeting, Staff presented the newly drafted Cross Connection Control Policy (CCCP) for the Carmichael Water District. As mentioned, current law requires the State Water Resources Control Board (State Board) to adopt standards for backflow protection and cross-connection control. The State Board adopted the new Cross-Connection Control Policy Handbook (CCCPH) on December 19, 2023, with an effective date of July 1, 2024. This handbook supersedes and expands upon the existing regulations, CCR Title 17, which have remained largely unchanged since their initial adoption in the 1980s. The purpose of the CCCPH is to protect public health by establishing standards and practices for public water systems.

Existing public water systems (PWS) must submit a CCCP to the State Water Board no later than 12 months after the CCCPH takes effect, which means the deadline is July 1, 2025. The Plan must be developed in consultation with a cross-connection control specialist for systems with 1,000 or more service connections. Additionally, a PWS with 3,000 or more service connections is required to have at least one cross-connection control specialist as a permanent or contracted employee. Carmichael Water District has two cross-connection control specialists on staff in the Production Department.

SUMMARY/DISCUSSION

JPIA and the Legal Counsel have recommended to organize the CCCP into a regulation which will provide CWD the authority to undertake corrective actions if customers do not comply with the CCCP.

Corrective actions will include CWD's ability to perform the following:

- (1) Deny or discontinue water service to a water user,
- (2) Install, inspect, and/or maintain a Backflow Prevention Assembly at a water user's premises, or
- (3) Otherwise, address in a timely manner a failure to comply with the program.

If adopted, the regulation will be posted on the CWD website alongside other regulations to inform water users of the corrective actions CWD can take if they do not comply with the CCCP.

FISCAL IMPACT

None. This is to adopt a cross-connection control policy and incorporate into a new regulations to protect public health in the District.

RECOMMENDATION

Staff recommends that the Board of Directors approve Regulation 4060 – Cross-Connection Control Program and Resolution 06162025-01 - A Resolution of the Carmichael Water District Adopting and Implementing the Carmichael Water District Cross-Connection Control.

ATTACHMENT(S)

1. Resolution 06162025-01 - A Resolution of the Carmichael Water District Adopting and Implementing the Carmichael Water District Cross-Connection Control
2. Regulation 4060 – Cross-Connection Control Program

CARMICHAEL WATER DISTRICT
RESOLUTION 06162025-01

**A RESOLUTION OF THE CARMICHAEL WATER DISTRICT ADOPTING AND
IMPLEMENTING THE CARMICHAEL WATER DISTRICT CROSS-CONNECTION CONTROL
PROGRAM**

WHEREAS, it is the responsibility of the water purveyor, hereinafter known as the “Carmichael Water District” or “CWD,” to provide water to the customer at the service connection and/or meter that meets California state water quality standards; and

WHEREAS, the State Water Resources Control Board (hereinafter referred to as the “State Water Board”) adopted the Cross-Connection Control Policy Handbook that became effective on July 1, 2024, and prescribes that the water supplier shall protect the public water system from contamination through implementation and enforcement of a cross-connection control program; and

WHEREAS, under the Safe Drinking Water Act (Health and Safety Code, § 116270 et seq.), CWD must establish a cross-connection control program satisfactory to the State Water Board; and

WHEREAS, cross-connections within a customer’s premises pose a potential source of contamination to the public water system; and

WHEREAS, CWD has developed a new cross-connection program, entitled the “Carmichael Water District Cross-Connection Control Program,” (hereinafter referred to as the “CCCP”), attached hereto as Exhibit A; and

WHEREAS, the Irrigation District Law (Water Code §§ 22075, 22076, 22225) authorizes CWD to implement corrective action in the event that a water user fails to comply in a timely manner with any provision in the CCCP. Such corrective action includes denial or discontinuance of water service to a water user; installation, inspection, field testing and/or maintenance of a backflow prevention assembly at a water user’s premises and imposition of a charge to recuperate the cost, as outlined in the CCCP; or otherwise address in a timely manner a failure to comply with the CCCP.

NOW, THEREFORE, the Carmichael Water District Board of Directors hereby determines and ordains as follows:

Section 1. Recitals. The above recitals are true and correct and incorporated herein.

Section 2. Adoption of Cross-Connection Control Policy. CWD adopts the Cross-Connection Control Program (CCCP) attached hereto as Exhibit A.

Section 3. Adoption of Regulation 4060, Cross-Connection Control Policy. CWD adopts Regulation 4060, Cross-Connection Control Program, authorizing the implementation of the Cross-Connection Control Policy, attached hereto as Exhibit B.

Section 4. Adoption of Corrective Measures. CWD may take the following corrective measures to enforce the provisions of the CCCP:

- a. Denial or discontinuance of water service; or
- b. Installation, inspection, field testing, and/or maintenance of a backflow prevention assembly.

c. Imposition of fees for these corrective measures consistent with CWD's Fee Schedule, including any amendments thereto.

Section 5. Resolution Effective Date. This Resolution shall supersede all previous cross-connection control programs and take effect upon its adoption.

PASSED AND ADOPTED by the Board of Directors by the following vote:

Jeff Nelson	Aye <input type="checkbox"/>	Nay <input type="checkbox"/>	Absent <input type="checkbox"/>	Abstain <input type="checkbox"/>
Mark Emmerson	Aye <input type="checkbox"/>	Nay <input type="checkbox"/>	Absent <input type="checkbox"/>	Abstain <input type="checkbox"/>
Paul Selsky	Aye <input type="checkbox"/>	Nay <input type="checkbox"/>	Absent <input type="checkbox"/>	Abstain <input type="checkbox"/>
Ronald Davis	Aye <input type="checkbox"/>	Nay <input type="checkbox"/>	Absent <input type="checkbox"/>	Abstain <input type="checkbox"/>
Ron Greenwood	Aye <input type="checkbox"/>	Nay <input type="checkbox"/>	Absent <input type="checkbox"/>	Abstain <input type="checkbox"/>
Board Totals:	Ayes: <input type="checkbox"/>	Nays: <input type="checkbox"/>	Absent: <input type="checkbox"/>	Abstain: <input type="checkbox"/>

Passed Unanimously:
Motion Carried:
Motion Not Carried:

Signed after its passage this 16th day of June, 2025:

Ron Greenwood, President
Board of Directors

ATTEST: _____
Cathy Lee, Secretary

CARMICHAEL WATER DISTRICT

Regulations Manual

REGULATION TITLE: **Cross-Connection Control Program**

REGULATION NUMBER: **4060**

4060.10 The District protects its public water system at the service connection against any actual or potential cross-connection between the public water system and any source or system containing used water, industrial fluid, gas, or other substance that is not or cannot be approved as safe, wholesome, and potable for human consumption. Such protection is enforced through State Water Resources Control Board's Cross-Connection Control Policy Handbook that became effective on July 1, 2024, which requires the District to comply with all applicable state and federal laws, including the United States Safe Drinking Water Act (SDWA) of 1974, as amended (42 U.S.C. section 300f et seq.), as well as the California SDWA (Health & Saf. Code, div. 104, pt. 12, ch. 4, section 116270 et seq.), as they are now constituted, or as they may hereafter be amended or recodified, and implemented through the District's "Cross-Connection Control Policy."

4060.11 The "Cross-Connection Control Policy" is incorporated hereto as part of Regulation 4060, and available at the District office, and on the District's website. The District Board of Directors will approve any updates and modifications to the Cross-Connection Control Policy.

4060.20 The Irrigation District Law authorizes the District to implement corrective actions if a water user fails to timely comply with any provision in the District's "Cross-Connection Control Program." (Wat. Code §§ 22075, 22076, 22225) These actions include the denial or discontinuance of water service or the installation, inspection, field testing, and/or maintenance of a backflow prevention assembly. The District's Fee Schedule, including any amendments thereto sets forth the fees that the District may charge to recover the costs associated with imposing these corrective actions. The Fee Schedule is available for inspection at the District office and on the District's website.

Appendix A – Cross-Connection Control Policy

Carmichael Water District
Cross-Connection Control Policy
(Approved 6/16/2025)

1. Purpose

The purpose of this document is to describe the Cross-Connection Control Policy (CCCP) implemented by Carmichael Water District (CWD) to protect the public water supply against actual or potential contamination through cross-connection and backflow. In compliance with the Cross-Connection Control Policy Handbook (CCCPH) established by the California State Water Resources Control Board (SWRCB) and the Environmental Protection Agency (EPA), the Safe Drinking Water Act, and Uniform Plumbing Code (UPC) – relating to cross-connection; it is the intent of CWD to adopt standards that encompass the surveying of existing premises for potential or actual cross-connection hazards to determine the requirement for hazard protection and level of protection required for a service connection. This would include review and approval of proposed plans for new construction installation, and maintenance or repair of backflow prevention assemblies.

2. Definitions

The following definitions describe those terms and phrases that are relevant to the range of elements of a cross-connection control program.

2.01 Air Gap Separation: A physical vertical separation between the free-flowing discharge end of a potable water supply pipeline and an open or non-pressurized receiving vessel. An approved air gap separation is defined as the vertical height of the open discharge end of a pipe above the overflow rim of a non-pressurized receiving vessel, being two times the diameter of the end of the discharge pipe, no less than one inch.

2.02 Approved Backflow Prevention Assembly: Any assembly approved through laboratory and field evaluation tests performed by the Foundation for Cross-Connection Control and Hydraulic Research of the University of Southern California, or an entity with equivalent testing requirements approved by the Department of Public Health (DPH).

2.03 Approved Water Supply: A water supply whose potability is regulated by a State or local health agency.

2.04 Auxiliary Water Supply: Any supply on or available to the premises other than that supplied by CWD. These auxiliary water supplies may include, but are not limited to, water from another utility's potable water system or from any source such as a well, spring, river, pond, lake, reservoir stream or any other body of water.

2.05 AWWA Standard: An official standard developed and approved by the American Water Works Association (AWWA)

2.06 Backflow: A flow condition caused by a differential in pressure that causes the flow of water or other liquid, gases, mixtures or substances to flow in a direction reverse of intended, allowing

non-potable water to flow into a potable water source and thus into the distributing pipes of CWD. Back pressure and back siphonage are causes of backflow.

2.07 Backflow Prevention Assembly Tester: A person who is currently certified by an authority recognized by DPH and is approved and recognized by CWD to test, repair, and maintain backflow prevention assemblies.

2.08 Cross-Connection: Any actual or potential unprotected connection or structural arrangement between a public water system, including a piping system connected to the public water system and located on the premises of a water user or available to the water user, and any source or distribution system containing liquid, gas, or other substances not from an approved water supply.

2.09 Customer: The person/entity accepting financial responsibility for water service from CWD. This would be inclusive of permanent service connections as well as temporary connections via portable meter/backflow prevention device assemblies that are either provided by or approved for use by CWD.

2.10 Double Check Valve (DC): An assembly of at least two independently acting check valves, including tightly closing shut-off valves on each side of the check valve assembly, and test cocks available for testing the water tightness of each valve.

2.11 Health Agency: The California Department of Public Health or the local health officer with respect to small water systems.

2.12 Premises: The property under the ownership or control of the water user and served, or capable of being served, with water via a service connection with the public water system.

2.13 Reclaimed Water: Waste water which as a result of treatment is suitable for uses other than potable use.

2.14 Reduced Pressure Principle Backflow Prevention Device (RP): A backflow preventer incorporating not less than two check valves, an automatically operated relief valve located between the two check valves, a tightly closing shut-off valve on each side of the check valve assembly, and equipped with necessary test cocks for testing.

2.15 Service Connection: The terminal end of a service connection from the public potable water system where CWD loses jurisdiction and sanitary control over the water at its point of delivery to the customer's water system. If a meter is installed at the end of the service connection, then the service connection shall mean the down-stream end of the meter.

2.16 Thermal Expansion: Change in dimension of a material resulting from a change in temperature.

2.17 Water Supplier or Purveyor: Carmichael Water District

3. Responsibility

Under the California Code of Regulations (relating to cross-connection), the water supplier shall have the primary responsibility to prevent water from unapproved sources or any other substances, from entering the public water system. CWD will ensure adequate backflow prevention protection is maintained at the customer's service connection to the District's drinking water distribution system.

The customer will have the primary responsibility of preventing contaminants and pollutants from their premises from entering the District's water system as required by this program, and the California Department of Public Health, in compliance with the CCCPH.

CWD will not be responsible for any loss or damage directly or indirectly resulting from or caused by any improper or negligent: installation, operation, use, repair or maintenance of (or interfering with the function or operation of) any approved backflow prevention assembly required by this program, by any customer or any other person.

The customer must be aware that the installation of a backflow prevention assembly may result in a potential closed plumbing system within the premises. As such, provisions may have to be made by the customer to provide for thermal expansion within their system, i.e., the installation of thermal expansion devices and/or pressure relief valves.

Backflow prevention assemblies shall be installed and maintained by the customer, at the customer's expense and in compliance with the **standards** and specifications adopted by CWD. The customer is responsible for notifying CWD prior to any installation, repair, relocation or replacement to ensure installation of or changes to a backflow preventer meet the requirements of this policy. The customer will be responsible for ensuring adequate flow rate and line pressure, after the service connection at the water meter, for proper function of any fire systems installed on or existing on their premises. CWD does not install, test, flush or maintain fire protection systems. Any upgrades (including booster pumps) due to decreases in line pressure attributed to the upgrading of existing backflow prevention assemblies or the installation of approved backflow prevention assemblies to meet the requirements of this policy will be at the customer's expense.

The customer shall bear all cost for the installation of all approved air gap separation or approved backflow prevention assemblies required in accordance with this program. All air gap separation and approved backflow prevention assemblies shall be kept in good working order, accessible for testing (being clear of vegetation overgrowth and debris) and in safe condition. Upon notification by Carmichael Water District, the customer shall repair or replace existing assemblies determined to be unapproved, defective or not providing the level of protection specified by the District. The customer shall assure the necessary plumbing permits are obtained.

4. Level of Protection and Site Surveys

The type of protection that will be provided to prevent backflow into the District's water system shall be equal to the degree of hazard that exists on the customer's premises. The degree of hazard and thus the backflow prevention method shall be determined by CWD. At the discretion of CWD, a site survey may be performed. A request will be made in writing for a date and time to be agreed upon for a site survey. Should the request for a site survey be denied or inadequate access prevent the inspection of the plumbing system, letters shall be sent directing the installation of the appropriate backflow prevention assembly based on the knowledge of the specific property.

All factors found and recorded during a site survey shall be considered in the determination of backflow prevention requirements.

Each customer requiring a backflow prevention assembly shall be notified by letter. The customer shall be notified of their responsibility to provide backflow protection and the type of assembly required. As a minimum a customer requiring service protection shall install a Reduced Pressure Principle Backflow Prevention Assembly (RP). At the discretion of CWD, an alternative to the district standard backflow prevention assembly requirement may be allowable, dependent upon the degree of hazard determined during a site survey and in accordance with the CCCPH.

Should it be determined that the customer does not require a backflow prevention assembly, they shall be notified by letter. CWD will reserve the right to re-inspect the property at any time to ensure that the plumbing or water use has not changed.

5. New Construction

On new installation, the District will provide on site evaluation and/or inspection of plans during plan check and review in order to determine the level of protection that will be required. As a minimum all new construction will install an approved RP. At the discretion of CWD, an alternative to the district standard backflow prevention assembly requirement may be allowable, dependent upon the degree of hazard determined during a site survey and in accordance with the CCCPH. The customer or developer shall remain responsible for design, construction, testing and approval of any site-specific fire suppression system or approach as required by the local fire jurisdiction.

6. Installation

A backflow prevention assembly shall be installed on each service connection to a customer's water system at or near the property line or on private property immediately following the meter; but in all cases, before the first branch line leading off the service connection. All installations of backflow prevention assemblies shall be done in accordance with CWD Construction improvement standards amended January 2010 (Resolution 01212003-2). All backflow prevention assembly installation shall be inspected by a qualified employee from CWD. No person shall modify, bypass or remove a backflow prevention assembly without the approval of CWD. If a customer fails to install a backflow prevention assembly to meet the requirements of this policy, CWD may discontinue service.

7. Existing Backflow Prevention Assemblies

Existing backflow prevention assemblies shall be allowed by the District to continue in service unless the degree of hazard is such as to supersede the effectiveness of the present assembly, the assembly continues to fail annual testing or the device is found to be unapproved. As a minimum all replacement assemblies will be an approved RP. At the discretion of CWD, an alternative to the district standard backflow prevention assembly requirement may be allowable, dependent upon the degree of hazard determined during a site survey and in accordance with the CCCPH.

8. Fire Sprinkler Systems

8.01 Commercial Fire Protection: Commercial fire sprinkler systems currently protected with a minimum of a single Detector Check valve will be required to have a backflow preventer, commensurate

with the degree of hazard, installed to meet the requirements of this policy within 10 years of the effective date of the CCCPH (July 1, 2025). Any new commercial fire sprinkler system or unprotected system shall install a backflow assembly that ensures a level of protection commensurate with the degree of hazard. In the case of fire protection or sprinkler systems, the degree of hazard is based upon the class rating a fire protection or sprinkler system is categorized under.

8.02 Residential Fire Protection: Residential fire sprinkler systems currently protected with a minimum of a double check valve will be allowed to continue in service until such system is modified, updated or the valve is found to be defective. Any new residential fire sprinkler system or unprotected system shall as a minimum be protected by an RP. At the discretion of CWD, an alternative to the standard backflow prevention assembly requirement may be allowable, dependent upon the degree of hazard determined during a site survey and in accordance with the CCCPH. The customer or developer shall remain responsible for design, construction, testing and approval of any site-specific fire suppression system or approach as required by the local fire jurisdiction.

9. Testing

Test compliance dates shall be established by CWD. All approved backflow prevention assemblies shall be tested immediately after they are installed and **annually** thereafter to assure proper operation. In instances where a high hazard exists, testing may be required at more frequent intervals. Test procedures shall be those currently recommended by the University of Southern California Foundation for Cross-Connection Control or the AWWA.

Annual testing shall be performed by CWD staff who are AWWA certified Backflow Prevention Assembly Testers and/or Cross-Connection Control Specialists, or other certified testers only as approved by the District. The testing will be done at the customer's expense.

Testing shall be conducted during the District's regular business hours. Exceptions will be considered on a case by case basis.

Any backflow prevention assembly that fails the annual test will be required to be repaired or replaced at the customer's expense. CWD does not repair or replace backflow prevention assemblies. The customer will be responsible for selecting a contractor for repair or replacement. Once repaired or replaced the District will provide one re-test at no additional charge to the customer. If the device fails the retest, the customer will be charged for any additional testing.

High hazard situations will not be allowed to continue unprotected if the backflow preventer fails the test and cannot be repaired immediately. Service will be terminated until repairs are made and a re-test has been performed by CWD. The customer will be responsible for scheduling a retest with the District.

10. Compliance and Termination

When it is determined that a customer is required to install an approved backflow protection assembly the owner shall be given 60 calendar days to comply.

When it is determined that a backflow protection assembly has failed the annual test the customer will be given 30 days to repair or replace the assembly. The customer is responsible for all necessary repairs, including replacement of the assembly, which will return the assembly to proper operating condition. The

District may require the immediate repair or replacement of an assembly dependent upon the degree of hazard. No extensions will be given.

If the compliance date has passed, the district will deliver a 48 hour notice of termination of service to the property. The service will remain terminated until corrective action has been taken. Once a proper backflow prevention assembly has been installed the customer must contact CWD to schedule a re-test.

11. Maintenance of Records

CWD will maintain the records of assembly type, size, manufacturer, installation date, location and test results. These records will be kept both electronically and in hard copy form. Assembly records shall be kept for the life of the assembly. Test results shall be kept for the mandatory 3 years as per California Code of Regulation with regards to cross-connection.

12. Backflow Incident Response, and Notification

To maintain compliance with California's State Water Resources Control Board Cross Connection Control Policy Handbook, the District will maintain on staff, no less than one employee holding an active AWWA Cross Connection Control Specialist certification. Site Surveys and Hazard Assessments shall be performed by or reviewed by a certified Cross-Connection Control Program Coordinator. When a Backflow Incident has been observed and reported to the District, a representative of the District shall be available to respond and investigate, record and document the incident so a determination of corrective action can be made and proper state reporting measures can be carried out. This investigation will include documenting complaints or reports of water quality changes, water quality sampling, pressure recording and ensuring any threat to the public water supply has been eliminated either by removal of the cross connection or discontinuance of service to the premises until the appropriate degree of backflow prevention has been installed on the service.

13. Public Outreach

The District will provide outreach to consumers to raise awareness about cross connection hazards, the need for backflow prevention, and how to prevent contamination of the public drinking water supply. Information will be available through the website, direct mailings or other literature, and public meetings.

Resources & Reference Links: (to be added as links on website)

SWRCB: Cross-Connection Control Policy Handbook

Safe Drinking Water Act (SDWA):

Uniform Plumbing Code (UPC):

CWD Construction Improvement Standards:

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Topic: Award of Construction Contract for the Claremont Road and Fair Oaks Blvd (FOB) Pipeline Replacement Project

Date: June 3, 2025

Item For: Action

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

BACKGROUND

As part of Carmichael Water District's (CWD) capital replacement program, the District plans to replace distribution mainline and associated services on 1). Claremont Road including Tumbridge Way, Newbury Way, FOB at El Camino Avenue and Van Alstine Avenue, and on 2). FOB between California Avenue and Johnson Lane, Leos Lane, and Miles Lane. The work in the Claremont Road area has been planned for several years as a priority for the District and work along FOB and east of California Ave was prioritized by staff due to a Sacramento County asphalt overlay construction project scheduled for September 2025 followed by a three-year "no-cut" moratorium to ensure roadway integrity.

SUMMARY/DISCUSSION

Design engineer Dugan Management and Engineering, Inc. (DME) completed the plans and specifications for the project, and on May 27, 2025 the bid opening for a construction contract took place at the District office. Below are the results of the bid opening for the subject construction project.

Bid Results

The District received three (3) bids prior to the scheduled bid opening time. The bid results and the engineer's opinion of probable construction cost are shown below:

Company	Total Bid Amount
Engineer's Estimate	\$3,704,500.00
Flowline Contractors, Inc.	\$3,858,254.40
LaFleur Engineering, Inc.	\$3,950,130.50
Teichert Construction	\$4,287,388.00

Staff and DME reviewed and verified the bids and bid documents, and concluded that Flowline Contractors, Inc. (Flowline) is the lowest responsive, responsible bidder. On June 2, 2025 District Staff sent Flowline a Notice of Intent to Award and Contract Forms. Flowline will have 15 days to review, sign the contract, and return back to the District along with insurance and bonds documentation.

FINANCIAL IMPACT

Funds for the proposed work were included within the District's Draft Fiscal Year 2025-2026 Budget as a Capital Improvement Project (CIP) (\$2,250,000) for the Claremont portion of the project and as a Distribution line item (\$1,500,000) for the FOB near California Avenue portion of the project. The lowest bid as shown above was \$3,858,254.40 with \$2,566,429.40 associated with the Claremont portion of the project and \$1,291,825.00 associated with the FOB near the California Avenue portion of the project. The total bid amount exceeds the total initial budgeted amount shown for the two line items in the FY25/26 draft budget by \$108,254.40. With project contingencies of \$200,000 for the FOB near

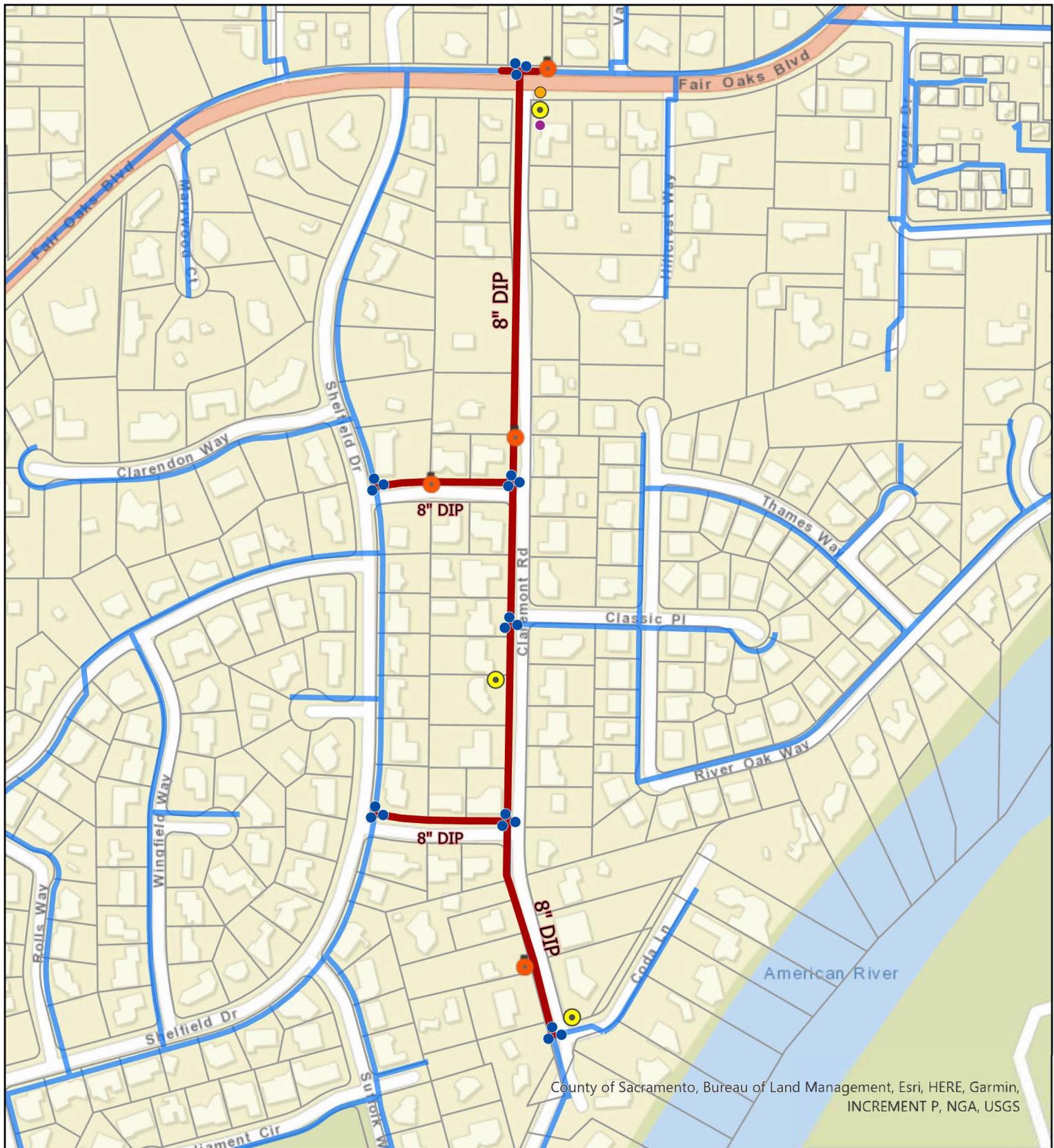
California Pipeline Project and \$400,000 for Claremont Pipeline Project, the total requested budget for FY 25-26 will be \$1,7000,000 and \$2,650,000, respectively.

RECOMMENDATION

Staff recommends that the Board of Directors 1) authorize a \$400,000.00 contingency for the contract to provide funding for any potential change orders due to unforeseen conditions; 2) note increases in the amount of the two line items in the final budget to cover the bid amount and contingency; 3) authorize the General Manager to execute a Construction Contract with Flowline Contractors for a total not exceed amount of \$4,258,254.40.

ATTACHMENT(S)

1. Field Map of the Claremont project area.
2. Field Map of the FOB/El Camino project area.
3. Field Map of the FOB/California project area.
4. Notice of Intent to Award
5. Draft Contract (to be signed by Contractor and sent back to District by June 17, 2025)



Claremont Pipeline Replacement Project Map

N

0 200 400

800

US Feet



1 inch = 400 feet

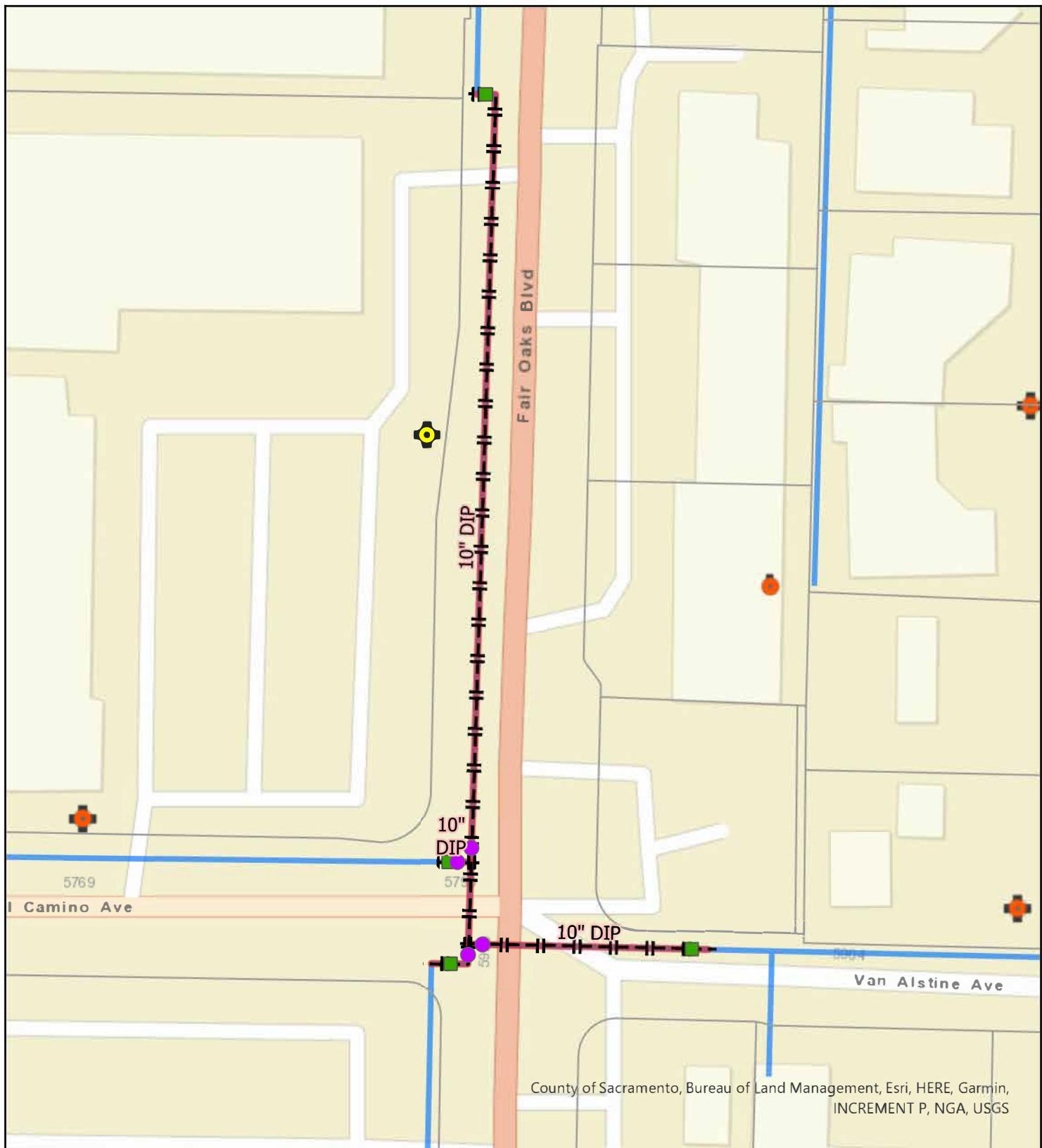
- Parcels
- Active Main Pipeline
- Proposed Main Pipeline
- Proposed Single Valve
- Proposed Three Way Valve Pack
- Proposed Air Release Valve
- Proposed New Hydrants

*Hydrant (Types)

- Dry Barrel Steamer
- Steamer
- Wet Barrel Steamer
- Wharf

* Existing hydrants will be replaced with a new hydrant

ATTACHMENT 2



El Camino Ave & Fair Oaks Blvd Pipeline Replacement Project Map

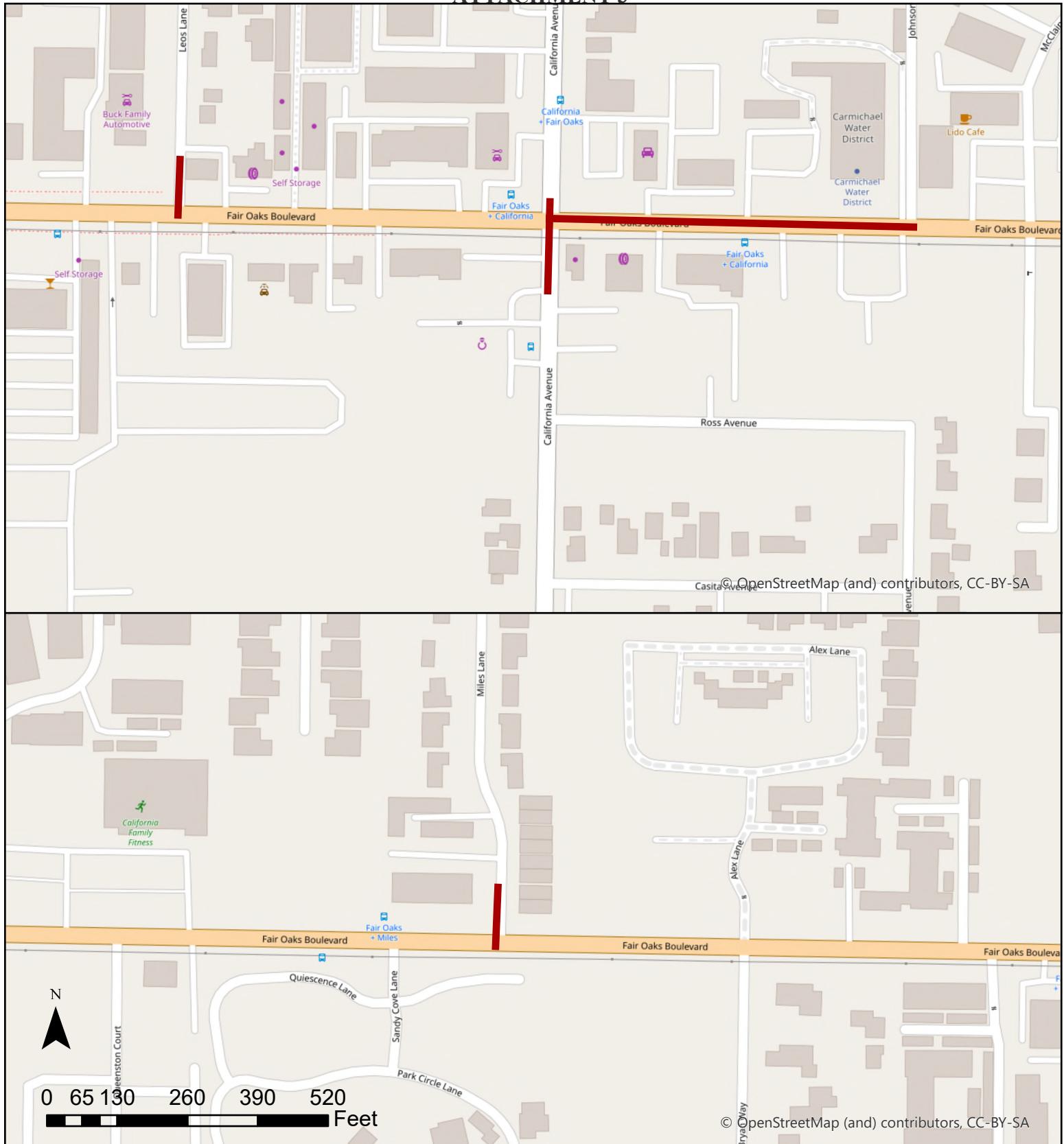
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0 25 50 100 150 200
US Feet
1 inch = 100 US Feet

Hydrant
Dry Barrel Steamer
Steamer
Wet Barrel Steamer
Wharf

● Proposed New Hydrants (Replacement)
— Active Main Pipeline
— Proposed Main Pipeline
● Proposed Single Valve
■ Proposed Tie Ins

ATTACHMENT 3



Fair Oaks Blvd at CA Ave, Leos Ln, and Miles Ln Mainline Pipeline Replacement Project

Legend

— Proposed Main Pipeline

ATTACHMENT 4



**CARMICHAEL
WATER DISTRICT**

Ronald Davis
Director Division 1

Mark R. Emmerson
Director Division 2

Jeff Nelson
Director Division 3

7837 FAIR OAKS BOULEVARD
CARMICHAEL, CALIFORNIA 95608
TELEPHONE: (916) 483-2452
FAX: (916) 483-5509

Ron Greenwood
Director Division 4

Paul Selsky
Director Division 5

Cathy Lee
General Manager

NOTICE OF AWARD

Date: 06/02/2025

Project: Claremont Road and Fair Oaks Blvd at El Camino Ave Mainline Replacement Project	
Owner:	Carmichael Water District
Design Engineer:	Dugan Management and Engineering, Inc.
Construction Manager:	Carmichael Water District
Bidder:	Flowline Contractors, Inc.
Bidder's Mailing Address:	6560 Asher Lane, Sacramento, CA 95828
Bidder's Physical Address:	6560 Asher Lane, Sacramento, CA 95828

You are notified that your Bid dated 5/27/2025 for the above Contract has been considered. You are the Successful Bidder and are awarded a Contract for the Claremont Road and Fair Oaks Blvd at El Camino Avenue Mainline Replacement Project

The Contract Price of your Contract is Three Million Eight Hundred Fifty-Eight Thousand Two Hundred Fifty-Four Dollars and Forty cents (\$3,858,254.40).

The following contract documents shall be provided as follows:

- 1 digital PDF copy of the Contract Documents accompany this emailed electronic Notice of Award via email attachments. Contract Document sent via email on June 2, 2025.
- 2 printed sets of the Drawings and 1 printed set of the project specifications will be provided to you at the District office prior to the Notice to Proceed.

Notice of Award – 6/2/2025

Claremont Road and Fair Oaks Blvd at El Camino Ave Mainline Replacement Project
Page 1 of 2

You must comply with the following conditions precedent within fifteen [15] days of the date you receive this Notice of Award (Section 4.18 of the Request for Bid Technical Specifications).

1. Email to the Owner [1] signed counterpart of the Contract Documents.
2. Email to the Owner the signed Contract including (See Section 2 Contract Forms of the Request for Bid Technical Specifications):
 - a) 2.1 Contract
 - b) 2.2 Faithful Performance Bond
 - c) 2.3 Payment Bond
 - d) 2.4 Contractor's Workers' Compensation Certificate (Labor Code Section 1861) Certificate(s) of Insurance

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within ten [10] days after you comply with the above conditions, Owner will send to you VIA EMAIL one fully executed counterpart of the Contract.

Please feel free to contact me with any questions or comments.

Sincerely,

Greg Norris, P.E.
Engineering Manager
7837 Fair Oaks Blvd, Carmichael, CA 95608
Office 916-483-2452
Carmichael Water District (carmichaelwd.org)



**CONSTRUCTION CONTRACT
for
CLAREMONT ROAD AND FAIR OAKS BLVD AT EL CAMINO AVE MAINLINE
REPLACEMENT PROJECT**

between

**Flowline Contractors, Inc.
6560 Asher Lane
Sacramento, CA 95828**

and

**Carmichael Water District
7837 Fair Oaks Boulevard
Carmichael, CA 95608**

June 2, 2025

2 CONTRACT FORMS

2.1 CONTRACT

THIS CONTRACT is effective as of the date executed by Carmichael Water District, a public agency, ("District"), in Carmichael, California, by and between District and Flowline Contractors, Inc., a California corporation, ("Contractor"), who agree as follows:

2.1.1 The Contractor agrees to furnish all labor, materials, supplies, tools and equipment and to perform all the work required to construct and complete in a good and workmanlike manner, and in strict accordance with the contract documents, those certain improvements entitled CLAREMONT ROAD AND FAIR OAKS BLVD AT EL CAMINO AVE MAINLINE REPLACEMENT PROJECT: The Claremont Road portion of the project is bound by Fair Oaks Boulevard and Coda Lane and includes Tumbridge Way and Newbury Way. Within the Claremont Road portion of the Project approximately 3000-feet of new 8-inch ductile iron pipe will be installed, a 1-inch and 2-inch combination air release valve, five new fire hydrant installations, 43 metered service reconnections, and five tie-in connections to the existing water system, The Fair Oaks Blvd at El Camino Ave includes approximately 600-feet of new 10-inch water main within Fair Oaks Blvd north of El Camino Ave, 100-feet within Van Alstine Ave, and a connection into El Camino Ave.

2.1.2 Contract documents for this project have been prepared by the District's engineer, Dugan Management & Engineering, Inc (DME), hereinafter called the Engineer. All contract documents, and each and every provision thereof, relating to this contract are hereby made a part of and incorporated by reference into this contract. The following are the applicable contract documents: invitation to bid, bid, bid bond, designation of subcontractors, experience qualifications, noncollusion declaration, acknowledgment of insurance requirements, instructions to bidders, contract, faithful performance bond, payment bond, contractor's certificate regarding workers' compensation, the insurance certificates and endorsements, abbreviations and definitions, general conditions, technical specifications and plans (drawings), special provisions, and attachment documents, applicable to this work, and all addenda and change orders, as well as all written modifications of the contract documents agreed to by the parties. Any work called for in one contract document and not mentioned in others is to be performed and executed as if mentioned in all contract documents.

2.1.3 The District agrees to pay the Contractor for the performance of the contract, subject to additions and deductions provided therein, the following prices, and the Contractor agrees to receive and accept the following prices as full compensation for furnishing all materials, labor, supplies, tools and equipment, and for doing all the work contemplated and embraced in this contract, and for all risks of every description connected with the work and for all expenses incurred by or in

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

consequence of the suspension or discontinuance of the work, and for well and faithfully completing the work and the whole thereof in the manner and according to the contract documents and the requirements of the engineer under them, namely:

Item	Description	Quantity	Units	Cost	Cost
1	Project Bonding and Insurance	1	LS	\$48,002.00	\$48,002.00
2	Mobilization, Demobilization, and Permits	1	LS	\$338,498.00	\$338,498.00
3	Water Pollution Control Plan	1	LS	\$6,915.00	\$6,915.00
4	Material Testing	1	LS	\$23,001.00	\$23,001.00
5	ACP Handling, Removal, and Disposal [ADDENDUM No. 3]	140	LF	\$25.00	\$3,500
Claremont Road at Fair Oaks Blvd (Major Road)					
6	12-Inch x 8-Inch Tie-in and 8-Inch Pipe Installation	1	LS	\$110,690.00	\$110,690.00
7	Flushing, Pressure Test, Disinfection Test	1	LS	\$4,635.00	\$4,635.00
8	Install New 1-Inch and 2-Inch Combination Air/Vacuum Release Valve (CAV)	2	EA	\$18,419.00	\$36,838.00
9	Install New Fire Hydrant	1	EA	\$21,202.00	\$21,202.00
10	Trench Section Restoration (Min. 6" AC)	400	SF	\$51.75	\$20,700.00
11	2-Inch Mat Grind and Overlay (Rubberized AC)	3500	SF	\$8.00	\$28,000.00
12	Striping Restoration	1	LS	\$2,070.00	\$2,070.00
Claremont Road Area					
13	Tree Trimming and Clear and Grub	1	LS	\$4,025.00	\$4,025.00
14	Traffic Control	1	LS	\$68,390.00	\$68,390.00
15	Site Safety (Sheeting, Plating, Shoring, and Bracing)	1	LS	\$14,554.00	\$14,554.00
16	8-Inch DIP Installation (Claremont Rd)	2100	LF	\$165.00	\$346,500.00
17	8-Inch DIP Installation (Tumbridge Way)	350	LF	\$164.00	\$57,400.00
18	8-Inch DIP Installation (Newbury Way)	350	LF	\$163.00	\$57,050.00
19	8-Inch x 8-Inch Tie-in (Claremont Rd at Classic Pl)	1	LS	\$18,611.00	\$18,611.00
20	8-Inch x 8-Inch Tie-in (Claremont Rd at Coda Ln)	1	LS	\$21,100.00	\$21,100.00
21	8-Inch x 8-Inch Tie-in (Tumbridge Way at Shelfield Dr)	1	LS	\$21,732.00	\$21,732.00
22	8-Inch x 8-Inch Tie-in (Newbury Way at Shelfield Dr)	1	LS	\$16,834.00	\$16,834.00
23	8-Inch Gate Valve	18	EA	\$3,234.00	\$58,212.00

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

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24	Install New Fire Hydrant	5	EA	\$20,234.00	\$101,170.00
25	Demolition and Abandonment	1	LS	\$39,157.00	\$39,157.00
Claremont Road Area - Water Services and Meter Relocations					
26	Install New 1" Water Service	42	EA	\$4,378.00	\$183,876.00
27	Install New 1.5" to 2" Water Service	2	EA	\$6,853.00	\$13,706.00
28	Residential 3/4" to 2" Meter Assembly - Landscape	39	EA	\$1,833.00	\$71,487.00
29	Residential 3/4" to 2" Meter Assembly - Concrete	4	EA	\$2,108.00	\$8,432.00
30	Residential 3/4" to 2" Meter Assembly - Asphalt	1	EA	\$2,108.00	\$2,108.00
31	Flushing, Pressure, Disinfection	1	LS	\$11,457.00	\$11,457.00
32	Water Meter Relocations	26	EA	\$2,468.00	\$64,168.00
33	Sidewalk, Curb & Gutter, Misc. Concrete	100	SF	\$52.00	\$5,200.00
Claremont Road Area - Road Restoration					
34	Trench Section Restoration (4-Inch HMA)	13500	SF	\$7.50	\$101,250.00
35	Type 2 Slurry Seal	56640	SF	\$1.16	\$65,702.40
36	Striping Restoration	1	LS	\$4,025.00	\$4,025.00
37	Drainage Ditch Restoration	21	LF	\$101.00	\$2,121.00
Fair Oaks Blvd, El Camino Ave, Van Alstine Ave - Water Main and Restoration (Major Road)					
38	10 inch Pipeline Installation	1	LS	\$334,961.00	\$334,961.00
39	Install New Fire Hydrant	1	LS	\$20,376.00	\$20,376.00
40	Flushing, Pressure Test, Disinfection Test	1	LS	\$11,282.00	\$11,282.00
41	Video Detection System Procurement, Coord., and Install	1	LS	\$22,311.00	\$22,311.00
42	Trench Section Restoration (Min. 6-Inch AC)	2800	SF	\$15.00	\$42,000.00
43	2" Mat Grind and Overlay (Rubberized AC)	19700	SF	\$5.00	\$98,500.00
44	Type 2 Slurry Seal	1900	SF	\$0.75	\$1,425.00
45	Striping Restoration	1	LS	\$10,856.00	\$10,856.00
46	Sidewalk, Curb & Gutter, Misc. Concrete	400	SF	\$56.00	\$22,400.00
Fair Oaks Blvd El & California Ave, Leos Lane, and Miles Lane [ADDENDUM 2]					
47	Traffic Control	1	LS	\$85,037.00	\$85,037.00
48	Site Safety (Sheeting, Plating, Shoring, and Bracing)	1	LS	\$14,554.00	\$14,554.00
49	12-Inch DIP Installation (Fair Oaks Blvd - California Ave to Johnson Ln)	770	LF	\$236.00	\$181,720.00
50	12-Inch DIP Installation (California Ave)	345	LF	\$397	\$136,965.00

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

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51	8-Inch Ductile Iron Pipe (DIP) Installation (Leos Lane)	145	LF	\$334.00	\$48,430.00
52	8-Inch Ductile Iron Pipe (DIP) Installation (Miles Lane)	165	LF	\$225.00	\$37,125.00
53	Demolition and Abandonment	1	LS	\$27,533.00	\$27,533.00
54	12-Inch x 6-Inch Tie-in (Fair Oaks Blvd - East, Sta 8+37.8) [Addendum No.5]	1	LS	\$39,850.00	\$39,850.00
55	12-Inch x 8-Inch Tie-in (Fair Oaks Blvd at Johnson Ln, Sta 7+78.9) [Addendum No.5]	1	LS	\$22,521.00	\$22,521.00
56	8-Inch x 8-Inch Tie-in (Fair Oaks Blvd - West, Sta 1+00) [Addendum No.5]	1	LS	\$19,083.00	\$19,083.00
57	8-Inch x 8-Inch Tie-in (California Ave - North, Sta 3+94.9) [Addendum No.5]	1	LS	\$21,072.00	\$21,072.00
58	12-Inch x 14-Inch Tie-in (California Ave - South, Sta 1+00) [Addendum No.5]	1	LS	\$74,780.00	\$74,780.00
59	8-Inch Tee Cut-in (Fair Oaks Blvd at Leos Ln, Sta 1+00) [Addendum No.5]	1	LS	\$23,995.00	\$23,995.00
60	8-Inch x 6-Inch Tie-in (Leos Ln, Sta 2+45.4) [Addendum No.5]	1	LS	\$17,758.00	\$17,758.00
61	12-Inch x 8-Inch Tee Cut-in (Fair Oaks Blvd at Miles Ln, Sta 1+00) [Addendum No.5]	1	LS	\$34,527.00	\$34,527.00
62	8-Inch x 6-Inch Tie-in (Miles Ln, Sta 2+60.2) [Addendum No.5]	1	LS	\$17,911.00	\$17,911.00
63	8048 & 8104 Fair Oaks Blvd and Service Connections, Sta 21+05.1 [ADDENDUM No. 3 &5]	1	LS	\$20,483.00	\$20,483.00
64	Water Meter Relocations [ADDENDUM No. 3]	3 1	EA	\$1,871.00	\$5,613.00
65	Install New 1-Inch to 2-Inch Water Service [ADDENDUM No. 3&5]	14 11 1	EA	\$8,944.00	\$125,216.00
66	Sidewalk, Curb & Gutter, Misc. Concrete [Addendum No.5]	700 640	SF	\$57.00	\$39,900.00
67	Install New Fire Hydrant [Addendum No.5]	7 6	EA	\$22,587.00	\$158,109.00
68	Flushing, Pressure Test, Disinfection Test	1	LS	\$21,337.00	\$21,337.00
69	Trench Section Restoration [Addendum No.5]	5000 1900	SF	\$14.00	\$70,000.00
70	Type 2 Slurry Seal	11700	SF	\$2.67	\$31,239.00
71	Striping Restoration	1	LS	\$17,067.00	\$17,067.00
Total Bid Cost (\$)					\$3,858,254.40

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

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2.1.4 The District shall make payments on the account of the contract as specified in the general conditions of the contract.

2.1.5 The Contractor shall diligently prosecute the work to completion in accordance with the following schedule:

Notice to Proceed: Thursday, June 26, 2025

Substantial Completion: Friday, October 24, 2025

Final Completion: Tuesday, November 25, 2025

2.1.6 The Contractor acknowledges that it has examined the prevailing rate of per diem wages as established and published by the California Director of Industrial Relations, copies of which are available for inspection at the office of the District. The Contractor agrees to pay all workers employed on the work not less than the applicable prevailing rate of per diem wages, as the same may be amended from time to time. The Contractor shall post at each job site a copy of the determination of the Director of Industrial Relations of the prevailing rate of per diem wages. The Contractor also shall ensure that all subcontractors on the work are notified of and comply with their obligations in regard to the payment of prevailing wages to all of their workers employed on the project.

2.1.7 The Contractor acknowledges that the District has deemed the project to be substantially complex and that retention will be withheld from all payments at the rate of five percent (5%), unless otherwise agreed in writing between the parties. The Contractor further acknowledges that the special retention is a material contract term, that its bid reflects any additional costs or impacts caused by the higher retention, and that the district accepted its bid as responsive in part based on the Contractor's voluntary compliance with this term.

IN WITNESS WHEREOF, the parties execute this Contract as follows:

For District:

Date: _____

Name: _____

Title: General Manager

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

{00212949.1}
Rev. xx/xx/2022

For Contractor:

Date: _____

Name: _____

Title: _____

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

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{00212949.1}
Rev. xx/xx/2022

2.2 FAITHFUL PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS,

THAT, WHEREAS, Carmichael Water District, hereinafter designated as the "District," entered into a Contract with _____, hereinafter designated as the "Contractor" for the work described as follows:

CLAREMONT ROAD AND FAIR OAKS BLVD AT EL CAMINO AVE MAINLINE REPLACEMENT PROJECT: The Claremont Road portion of the project is bound by Fair Oaks Boulevard and Coda Lane and includes Tumbridge Way and Newbury Way. Within the Claremont Road portion of the Project approximately 3000-feet of new 8-inch ductile iron pipe will be installed, a 1-inch and 2-inch combination air release valve, five new fire hydrant installations, 43 metered service reconnections, and five tie-in connections to the existing water system, The Fair Oaks Blvd at El Camino Ave includes approximately 600-feet of new 10-inch water main within Fair Oaks Blvd north of El Camino Ave, 100-feet within Van Alstine Ave, and a connection into El Camino Ave. WHEREAS, the Contractor is required under terms of the Contract to furnish a bond for the faithful performance of the Contract;

WHEREAS, the Contract is by reference made a part hereof;

NOW, THEREFORE, we, the undersigned Contractor, as Principal, and _____, a corporation organized and existing under the laws of the State of _____, and duly authorized and in good standing to transact business under the laws of the State of California, as an admitted Surety, are held and firmly bound unto the District in the penal sum of \$_____, the sum being not less than one hundred percent (100%) of the total Contract amount, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT, if the above bounden Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in the Contract and any alterations thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the District, its directors, officers, employees and agents, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a condition precedent to the satisfactory completion of the said Contract, the above obligation in above-stated amount shall hold good for a period of one (1) year after the recording of the notice of completion, during which time if the Contractor, its heirs, executors, administrators, successors or assigns shall fail to make full, complete, and satisfactory repair and replacements or totally protect the District from loss or damage made evident during the period of

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

one (1) year from the date of recording of the notice of completion, and resulting from or caused by defective materials or faulty workmanship in the prosecution of the work done, the above obligation in the above-stated amount shall remain in full force and effect. However, anything in this paragraph to the contrary notwithstanding, the obligation of the Surety hereunder shall continue so long as any obligation of the Contractor remains.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the specifications accompanying the same shall, in any way, affect its obligations on this bond and it does hereby waive notice of any such change, extension of time, alteration, or addition to the terms of the Contract or to the work or to the specifications. The Surety hereby waives the provisions of Sections 2819 and 2845 of the Civil Code of the State of California.

In the event suit is brought upon this bond by the District and judgment is recovered, the Surety shall pay all costs incurred by the District in such suit, including, but not limited to, administrative and consultant costs, and reasonable attorneys' fees to be fixed by the Court.

The address or addresses at which the principal and surety(ies) may be served with notices, papers and other documents under the California Bond and Undertaking Law (Code of Civil Procedure section 995.010 et seq.) is the following:

IN WITNESS THEREOF, the above bounded parties have executed this instrument under their several seals this _____ day of _____, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

For Contractor as Principal:

Name: _____

Title: _____

For Surety:

Name: _____

Title: _____

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

(Seal)

(NOTE: The date of this bond must not be prior to date of Contract. If Contractor is a partnership, all partners should execute bond.)

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

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{00212949.1}
Rev. xx/xx/2022

2.3 PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS,

THAT, WHEREAS, the Carmichael Water District, hereinafter designated as the "District," has awarded to _____ hereinafter designated as the "Contractor" a Contract for the work described as follows:

CLAREMONT ROAD AND FAIR OAKS BLVD AT EL CAMINO AVE MAINLINE REPLACEMENT PROJECT: The Claremont Road portion of the project is bound by Fair Oaks Boulevard and Coda Lane and includes Tumbridge Way and Newbury Way. Within the Claremont Road portion of the Project approximately 3000-feet of new 8-inch ductile iron pipe will be installed, a 1-inch and 2-inch combination air release valve, six new fire hydrant installations, 43 metered service reconnections, and five tie-in connections to the existing water system. The Fair Oaks Blvd at El Camino Ave includes approximately 600-feet of new 10-inch water main within Fair Oaks Blvd north of El Camino Ave, 100-feet within Van Alstine Ave, and a connection into El Camino Ave.

WHEREAS, the Contractor is required by the Contract and by the provisions of Division 4, Part 6 of the Civil Code to furnish a bond in connection with the Contract, as hereinafter set forth.

WHEREAS, the Contract by this reference is made a part hereof;

NOW, THEREFORE, we, the undersigned Contractor, as Principal, and _____, as Surety, a corporation organized and existing under the laws of the State of _____, duly authorized and in good standing to transact business under the laws of the State of California, as an admitted Surety, are held and firmly bound unto the District in the sum of \$ _____, the sum being not less than one hundred percent (100%) of the total Contract amount payable by the District, under the terms of the Contract, for which payment well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT, if the Contractor, its heirs, executors, administrators, successors, assigns or subcontractors shall fail to pay for any materials, provisions, provender or other supplies or teams, implements or machinery used in, upon, for or about the performance of the work contracted to be done, or shall fail to pay for any work or labor thereon of any kind, or shall fail to pay any of the persons named in Civil Code Section 9100, or shall fail to pay for amounts due under the Unemployment Insurance Code with respect to such work or labor as required by the provisions of Division 4, Part 6 of the Civil Code, or shall fail to pay for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Contractor and subcontractors pursuant to Section 13020 of the Unemployment Insurance Code with respect to such work or

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

CONTRACT FORMS

labor, and provided that the claimant shall have complied with the provisions of that Code, the Surety or Sureties hereon will pay for the same in amount not exceeding the sum specified in the Contract, otherwise the above obligation shall be void. In case suit is brought upon this bond, the Surety will pay a reasonable attorney's fee to the prevailing party to be fixed by the court. This bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under Section 9100 of the Civil Code, so as to give a right of action to them or to their assigns in any suit brought upon this bond. And the Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the specifications.

The address or addresses at which the principal and surety(ies) may be served with notices, papers and other documents under the California Bond and Undertaking Law (Code of Civil Procedure section 995.010 et seq.) is the following:

IN WITNESS THEREOF, the above bounded parties have executed this instrument under their several seals this _____ day of _____, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

For Contractor as Principal:

Name: _____

Title: _____

For Surety:

Name: _____

Title: _____

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

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(Seal)

(NOTE: The date of this bond must not be prior to date of Contract. If Contractor is a partnership, all partners should execute bond.)

Claremont Road and Fair Oaks Blvd at
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{00212949.1}
Rev. xx/xx/2022

2.4 CONTRACTOR'S WORKERS' COMPENSATION CERTIFICATE (LABOR CODE SECTION 1861)

To: Carmichael Water District

I am aware of the provisions of Section 3700 of the Labor Code, which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work under this Contract.

BIDDER

Company Name: _____

Authorized Signature: _____

Printed Name: _____

Title: _____

Date: _____

Claremont Road and Fair Oaks Blvd at
El Camino Ave Mainline Replacement Project

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Topic: FY 2025-26 Water Forum Annual Funding Agreement – Interagency Cost Sharing

Date: June 8, 2025

Item For: Action

Submitted By: Cathy Lee, General Manager

BACKGROUND

As reported to the Board previously, Water Forum 2.0 negotiation is currently underway with an expected draft agreement language for review and adoption in 2025. Sacramento County informed the Water Forum (WF) in 2022 that the Zone 13 funding contribution will conclude at the end of FY 2024/25. Water Forum will continue to function under the City of Sacramento administratively with funding support from WF Water Caucus signatories whose customers benefit from the WF effort.

The Water Forum brought a diverse group of business and agricultural leaders, citizen groups, environmentalists, water managers, and local governments working together to sign a Memorandum of Understanding in 2000 balancing coequal objectives of the Lower American River:

- Provide a reliable and safe water supply for the region's economic health and planned development through to the year 2030; and
- Preserve the Lower American River's fishery, wildlife, recreational, and aesthetic values.

SUMMARY/DISCUSSION

Two years ago, Sacramento County notified all Water Forum participants that the County would be phasing out funding for the Water Forum. Previously, funding for unincorporated Sacramento County agencies was derived from assessments through Sacramento County Water Agency's Zone 13. However, since Zone 13 was established 38 years ago without an inflation adjustment, its revenue has remained static while WF's budget has grown annually and other competing projects for the funds. As a result, contributions from Zone 13 towards the WF's work became unsustainable. Zone 13 funds have historically comprised nearly 50% of WF's annual budget. Sacramento County's funding withdrawal compels water agencies in unincorporated Sacramento County, including CWD, to start contributing their share of funding, beginning in FY 25-26.

The funding formula that pro-rates costs is based on a mix of proportional numbers of connections (40% weighting), amounts of American River diversions (40% weighting), and groundwater production (20% weighting) for participating agencies (see the "weighted costs" spreadsheet in Attachment 1). The total allocation to CWD is \$53,445 comprised of \$27,725 in Water Forum Successor Effort (WFSE) and Habitat Management Effort (HME) for \$25,720.

The approach aligns with the current WF Agreement and the new agreement in principle reached during the last five years of negotiations and discussions. The draft Annual Funding Agreement for FY 2025-26 is in Attachment 2 and reflects the agreed-upon funding allocation methodology by the Water Forum members.

FINANCIAL IMPACT

The Water Forum Annual Funding Agreement for FY 2025-26 is \$53,445 and included in the draft FY 2025-26 Budget document.

RECOMMENDATION

Staff recommends that the Board of Directors approve the attached Water Forum Annual Funding Agreement for FY 2025-26 in the amount of \$53,445 and authorize the General Manager to execute the agreement.

ATTACHMENT(S)

1. Water Forum Cost Allocation Model
2. Draft Water Forum Annual Funding Agreement for FY 2025-26

Water Forum Weighted Cost Allocation Model

Data	Weighting	Associated Benefit
Connections	0.40	1, 6
American River SW	0.40	2, 4
GW	0.20	3, 5
Total	1.00	

Additional SCWA Reserve Funding	\$150,000	
WFSE Approved Budget	\$1,050,519	Approved by the Plenary
HME Approved Budget	\$922,621	
- SMUD Contributions	\$21,000	
- SAFCWA Contributions	\$20,000	
- EDWA Contributions	\$15,000	
Total Additional Funding	\$56,000	
WFSE Water Caucus Contributions	\$994,519	Amount to be covered by WC Cost Allocation Model
HME Water Caucus Contributions	\$922,621	

Key Benefits of the Water Forum

- 1 Environmental Stewardship (Shared commitment to protecting our natural environment)
- 2 LAR Support and Protection (Protecting the value and function of the river corridor)
- 3 Water Supply Reliability (regional investment in ensuring regional water supplies meet current and future regional needs)
- 4 Regional Coordination and Strategy with Reclamation
- 5 Regional Collaboration and Partnership for Projects, Programs, and Funding
- 6 Peace on the River and Assistance in Regulatory Setting

Agency	Base %				Resulting %	FY 26 Contribution (Based on 5-Year Avg 2019- 2023)	WFSE Contribution	HME Contribution
	Connections	AR SW	GW					
El Dorado Irrigation District	0.07	0.09	0.00	0.07	\$128,452	\$66,634	\$61,817	
Placer County Water Agency	0.07	0.07	0.00	0.06	\$109,635	\$56,874	\$52,762	
City of Folsom (minus Ashland)	0.04	0.12	0.00	0.06	\$119,623	\$62,054	\$57,568	
City of Roseville	0.09	0.19	0.00	0.11	\$212,506	\$110,238	\$102,268	
San Juan Water District - Wholesale	0.09	0.21	0.05	0.13	\$106,938	\$55,474	\$51,464	
San Juan Water District - Retail*	0.02	0.08	0.00	0.04	\$73,459	\$38,107	\$35,352	
Citrus Heights Water District	0.04	0.06	0.02	0.04	\$81,691	\$42,377	\$39,314	
Fair Oaks Water District	0.02	0.04	0.03	0.03	\$63,181	\$32,775	\$30,406	
Folsom (Ashland)*	0.00	0.01	0.00	0.00	\$6,859	\$3,558	\$3,301	
Orange Vale Water District*	0.01	0.02	0.00	0.01	\$26,620	\$13,809	\$12,811	
Carmichael Water District	0.02	0.03	0.03	0.03	\$53,445	\$27,725	\$25,720	
City of Sacramento	0.25	0.19	0.21	0.22	\$422,537	\$219,192	\$203,345	
Sacramento Suburban Water District	0.08	0.06	0.21	0.10	\$187,724	\$97,382	\$90,342	
Golden State Water Company	0.03	0.03	0.05	0.03	\$61,706	\$32,010	\$29,696	
California American Water	0.11	0.00	0.24	0.09	\$179,501	\$93,116	\$86,385	
Sacramento County Water Agency	0.11	0.00	0.21	0.08	\$160,600	\$83,311	\$77,288	
East Bay MUD	0.04	0.00	0.00	0.02	\$29,602	\$15,356	\$14,246	
Total	1.00	1.00	1.00	1.00	\$1,917,140	\$994,519	\$922,621	

* SJWD will pay the cost share for these agencies

ATTACHMENT 2

**Interagency Agreement
For Cost-Sharing the Fiscal Year (FY) 2025-2026
Water Forum Successor Effort and Habitat Management Element
Budget of the Water Forum**

THIS AGREEMENT is made and entered into on July 1, 2025, by and among El Dorado Irrigation District; Placer County Water Agency; City of Folsom (minus Ashland); City of Roseville; San Juan Water District; Citrus Heights Water District; Fair Oaks Water District; Carmichael Water District; Sacramento Suburban Water District; Golden State Water Company; California American Water; Sacramento County Water Agency; Sacramento Area Flood Control Agency and the City of Sacramento (on behalf of the Water Forum).

Recitals

- A. The parties to this Interagency Agreement (collectively "Parties" and individually "Party") acknowledge that the Water Forum 2.0 Agreement is not yet signed and a final cost allocation formula has not been agreed upon.
- B. Entering into this Interagency Agreement for FY2025-2026 does not imply that the Parties have agreed to this cost allocation formula on a permanent basis or have approved the entirety of the Water Forum 2.0 Agreement.
- C. The Parties are optimistic that the Water Forum 2.0 Agreement will be signed in the summer of 2025, but will not assume any obligations pursuant to the Water Forum 2.0 Agreement until it is final.

Therefore, the Parties, in consideration of the mutual obligations set forth herein, agree as follows:

Section I.

Water Forum Successor Effort Cost-Sharing: The Parties identified below have each agreed to pay a pro-rata amount of the total costs for funding the Water Forum Successor Effort (WFSE) activities (based upon their number of active water connections and the 5-year average quantities of groundwater production and American River diversions, or a negotiated amount), as set forth below for the period of July 1, 2025, to June 30, 2026.

WFSE (Fund 7103) Cost-Sharing Partners	FY 2025-2026 Cost Share Amounts
El Dorado Irrigation District	66,634
Placer County Water Agency	56,874
City of Folsom (minus Ashland)	62,054
City of Roseville	110,238
San Juan Water District	55,474
Citrus Heights Water District	42,377

WFSE (Fund 7103) Cost-Sharing Partners	FY 2025-2026 Cost Share Amounts
Fair Oaks Water District	32,775
Carmichael Water District	27,725
City of Sacramento	219,192
Sacramento Suburban Water District	97,382
Golden State Water Company	32,010
California American Water	93,116
Sacramento County Water Agency	83,311
East Bay Municipal Utility District	15,356
Sacramento Area Flood Control Agency	20,000
Sacramento Municipal Utility District	21,000
El Dorado Water Agency	15,000
Total:	1,050,519

Habitat Management Element Cost-Sharing: The Parties identified below have each agreed to pay a pro-rata amount of the total costs for funding the Habitat Management Element (HME) activities (based upon their number of active water connections and the 5-year average quantities of groundwater production and American River diversions, or a negotiated amount), as set forth below for the period of July 1, 2025, to June 30, 2026.

HME (Fund 7104) Cost-Sharing Partners	FY 2025-2026 Cost Share Amounts
El Dorado Irrigation District	61,817
Placer County Water Agency	52,762
City of Folsom (minus Ashland)	57,568
City of Roseville	102,268
San Juan Water District	51,464
Citrus Heights Water District	39,314
Fair Oaks Water District	30,406
Carmichael Water District	25,720
City of Sacramento	203,345
Sacramento Suburban Water District	90,342
Golden State Water Company	29,696
California American Water	86,385
Sacramento County Water Agency	77,288
East Bay Municipal Utility District	14,246
Total:	922,621

Sacramento County American River Parkway Contribution: Given the County of Sacramento's long history of stewardship in the American River Parkway (Parkway) and strong partnership with the City of Sacramento on issues related to the Parkway, the County of Sacramento commits to provide

separate funding from the water agencies in the amount of \$150,000 in FY 2025-2026 to be used to build Water Forum's cash reserves and provide operational stability to the Water Forum.

Section II.

Reimbursement: The Water Forum shall administer all consultant agreements and other expenses incurred during FY 2025-2026 for the WFSE and HME. The Parties agree to pay the Water Forum for their share of such costs, totaling the amount set forth for each party in Section I, above, within 30 days after receipt of invoices.

The Water Forum will invoice each Party one time at the beginning of each fiscal year for its annual cost allocation. It is understood and agreed that although this Interagency Agreement only pertains to reimbursement for costs incurred during the period from July 1, 2025, to June 30, 2026, the WFSE and HME will extend past June 30, 2026. Any reimbursement of costs incurred by Water Forum after June 30, 2026, would be governed by a new or amended interagency cost-sharing agreement.

Section III.

Sacramento Municipal Utility District, El Dorado Water Agency, and East Bay Municipal Utility District: Sacramento Municipal Utility District (SMUD), El Dorado Water Agency (EDWA), and East Bay Municipal Utility District (EBMUD) have entered into separate agreements with the City of Sacramento (on behalf of the WATER FORUM and the WFSE) to pay their share of the costs identified in Section II, above, up to the amounts set forth for SMUD, EDWA, and EBMUD, respectively, in Section I, above.

Section IV.

Changes in Terms: Any changes to the terms of this Interagency Agreement shall be approved by all Parties and shall be effective when reduced to writing and signed by all Parties.

Section V.

Contingent obligation: This Interagency Agreement is entered into prior to annual budget adoption by some of the Parties and is subject to funding availability in each Party's approved budget for the applicable fiscal year. In the event that a Party's governing body does not approve sufficient funding to meet the obligations of this Interagency Agreement, the Parties will meet and confer on a revised cost allocation.

Section VI.

Indemnity: Each Party shall, to the fullest extent allowed by law, indemnify, hold harmless and defend the other Party or Parties, its officers and employees from any actions, liability, or other expenses (including reasonable attorney fees) for any damages or injury to persons or property, occurring by reason of any negligent or wrongful act or omission by the indemnifying Party, its officers or employees under this Interagency Agreement.

Section VII.

Independent Contractors: All contractors employed during any phase of the WFSE and HME are independent contractors. Contractor employees assigned to perform contract work related to the Water Forum are and will remain employees of the contractor and will not be considered employees of any of the Parties for any reason.

DRAFT

Section VII.

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This Interagency Agreement is executed as follows:

El Dorado Irrigation District,

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This Interagency Agreement is executed as follows:

Placer County Water Agency,

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This Interagency Agreement is executed as follows:

City of Folsom, a municipal corporation

By: _____

Date: _____

Print Name: City Manager

APPROVED AS TO CONTENT:

By: _____

Date: _____

Print Name: Environmental & Water Resources Director

APPROVED AS TO FUNDING:

By: _____

Date: _____

Print Name: Finance Director

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name: City Attorney

ATTEST:

By: _____

Date: _____

Print Name: City Clerk

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

City of Roseville, a municipal corporation

By: _____

Date: _____

Print Name: City Manager

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name: City Attorney

APPROVED AS TO SUBSTANCE:

By: _____

Date: _____

Print Name: Environmental Utilities Director

ATTEST:

By: _____

Date: _____

Print Name: City Clerk

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

San Juan Water District

By: _____

Date: _____

Print Name: General Manager

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Citrus Heights Water District

By: _____

Date: _____

Print Name: General Manager

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Fair Oaks Water District

By: _____

Date: _____

Print Name: General Manager

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Carmichael Water District

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

City of Sacramento, a municipal corporation

APPROVED AS TO FORM:

By: _____

Date: _____

Print Name: Deputy City Attorney

RECOMMENDED:

By: _____

Date: _____

Print Name: WATER FORUM Executive Director

By: _____

Date: _____

Print Name: Department of Utilities Director

APPROVED:

By: _____

Date: _____

Print Name: Assistant City Manager

For: City Manager

ATTEST:

By: _____

Date: _____

Print Name: Assistant City Clerk

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Sacramento Suburban Water District

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Golden State Water District

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

California American Water

By: _____

Date: _____

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This Interagency Agreement is executed as follows:

Sacramento County Water Agency,

an agency created pursuant to the Sacramento County Water Agency Act

By: _____

Date: _____

Print Name: Director, Department of Water Resources

DRAFT

Single Agreement: This Interagency Agreement may be signed in multiple counterparts, which together will constitute a single Interagency Agreement. This agreement is executed as follows:

Sacramento Area Flood Control Agency

By: _____

Date: _____

DRAFT

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Topic: Temporary Engineering Department Staffing

Date: June 3, 2025

Item For: Action

Submitted By: Greg Norris, Engineering Manager

Cathy Lee, General Manager

BACKGROUND

Since 2022, the Carmichael Water District (CWD) has been undertaking several substantial CIP projects to improve water reliability for its customers. The activity for several projects has peaked at concurrent times starting in 2023 and continuing through to at least 2026. To manage the projects, CWD was in need of a senior level engineer with similar project management experience. CWD hired a CalPERS retired annuitant with the appropriate skill set and experience in August 2023 at the Senior Engineer level. The present contract agreement is due to expire on June 30, 2025 and staff is requesting that this contract be renewed for a 1-year term from July 1, 2025 through June 30, 2026 at the same position level.

SUMMARY/DISCUSSION

The Engineering Department implements the District's capital improvement plan (CIP) projects and works with the Production and Distribution Departments to assist, evaluate, and coordinate with operational and maintenance activities. Ongoing projects the annuitant is supporting include: the La Sierra, Ladera, and Winding Way Well construction projects; Garfield Well electrical rehabilitation; and SCADA replacement project. The annuitant will also support Production and Distribution operations and maintenance activities as needed.

The annuitant is experienced in project management and delivery and Staff proposes renewing the annuitant's employment contract. The advantage of hiring a retired annuitant is to tap into a seasoned professional's knowledge and skill set to support CWD workload that is temporary yet critical. CalPERS does have strict restrictions for employing retired annuitants including a retiree's eligibility, types of work and position, duration, hours, and requires a written contract to demonstrate compliance with the restrictions. Additionally, per CalPERS policy, a retired annuitant is not intended to be a permanent employee and should be hired to fill relatively short term work gaps that are definable such as the purpose identified by CWD. The District can meet the maximum 960 hours requirement by having the retired annuitant work 2 to 3 days a week to implement the projects listed above and comply with all other CalPERS restrictions. Attached is the draft contract agreement between the District and a retired annuitant. If approved, the retired annuitant is available and eager to continue project work for the District, and it is intended that this will be the last year that the CWD uses the CalPERS retired annuitant opportunity for this service to support these projects.

FINANCIAL IMPACT

The retired annuitant will work slightly less than half time and there is funding proposed in the 2025-2026 budget to fund the position. Approximate cost to the District is \$80,000.

RECOMMENDATION

Staff recommends that the Board of Directors approve the attached Employment Agreement for Temporary Employment as a Retired Annuitant and authorize the General Manager to execute the agreement.

ATTACHMENT(S)

1. Employment Agreement for FY26

ATTACHMENT 1

AGREEMENT BETWEEN THE CARMICHAEL WATER DISTRICT AND KENNETH J. GLOTZBACH CONCERNING TEMPORARY EMPLOYMENT AS A RETIRED ANNUITANT

THIS AGREEMENT is made effective as of July 1, 2025, between the CARMICHAEL WATER DISTRICT (“District”), and Kenneth J. Glotzbach (“Annuitant”), who agree as follows:

RECITALS

- A. The District is a California special district providing water service for beneficial use to approximately eight square miles with a population of over 38,000. The District is an irrigation district established in accordance with the Irrigation District Law, California Water Code section 20500 and following.
- B. The District is currently recruiting for a Senior Engineer and the District is constructing three aquifer storage and recovery groundwater well projects, upgrading its SCADA system, requesting water rights modification, and evaluating and rehabilitating its raw water conveyance system to ensure adequate water supply for present and future needs.
- C. The District requires the assistance of a person with specialized skill and knowledge in the area of capital project management to assist in preparing the environmental, design, and construction documents.
- D. Annuitant is a retired annuitant under the California Public Employees’ Retirement System who has the specialized skills and knowledge of a Senior Engineer to assist the District with the work necessary and outlined above.

AGREEMENT

1. **Employment.** The District hereby employs Annuitant for the purposes described in the Recitals, subject to the terms and conditions of this Agreement. Annuitant hereby accepts such employment on and subject to the terms and conditions of this Agreement. In accordance with Government Code Section 7522.56 and Section 21224, Annuitant is employed only for the purpose and term specified in this Agreement.
2. **Term.** The term of this Agreement will begin on July 1, 2025 and expire on June 30, 2026, consistent with the parties’ intent that this Agreement will be of a limited duration for the time necessary for Annuitant to perform the specialized services required for preparation of the necessary infrastructure documentation required by law and the District. The District and Annuitant may adjust the term only by a written modification to this Agreement signed by both parties.
3. **Duties.** Annuitant’s duties under this Agreement will be as follows:
 - a. Under the general supervision of the General Manager and/or General Manager’s designee, assist in completing tasks necessary for design and construction of various infrastructure projects. Expected work will include: providing assistance to manage and retain services that will 1) prepare necessary environmental documents, reports, and

permits; 2) prepare engineering design documents; 3) advertise and bid construction ready documents; and 4) complete the necessary project construction.

- b. Other duties related to engineering and project management, as directed by the General Manager.

4. Work Hours. Annuitant's work performed under this Agreement generally will be limited to normal business hours. Work will be performed based on an as-needed basis not to exceed 960 hours in a fiscal year for all work performed under this Agreement and for any other CalPERS employer during the same period. Annuitant's work under this Agreement shall not result in Annuitant's total pay in a fiscal year exceeding \$78,112.51. Annuitant will record his work hours each week on a time sheet and promptly turn in his time sheet to the District's General Manager.

5. Pay and Benefits.

- a. For each hour of services rendered by Annuitant under this Agreement, the District will provide the Annuitant an hourly rate of the Senior Engineer at step 5 of the FY 25-26 salary schedule. Annuitant's rate of hourly pay is near but not exceeding the top pay range of the Senior Engineer position at the District on a monthly basis divided by 173.333.
- b. For the duration of this Agreement, the District will purchase and maintain workers' compensation insurance coverage for Annuitant as required by California law.
- c. Annuitant is not entitled to receive any health care, sick leave, holiday, CalPERS' contributions, OPEB contributions, or any other benefits provided under the District's personnel policies and procedures, including the Policy Manual, except those benefits specifically provided in this section or as the District may be required to provide Annuitant by law. If required, Annuitant will execute a waiver of health benefits. Annuitant acknowledges that Annuitant will make contributions to Social Security and Medicare under this Agreement.
- d. If the District's Senior Engineer rate of pay is adjusted during the fiscal year as the result of a salary survey performed by the District, the Annuitant's rate of pay will be adjusted to match the new hourly rate resulting from the survey upon adoption by the District's Board of Directors.

6. Other Terms and Conditions of Employment.

- a. Except as otherwise provided in this Agreement, Annuitant's employment will be governed by the District personnel policies and procedures, including the Policy Manual, as the same may be amended from time to time by the District Board of Directors. The District and Annuitant will comply with all applicable provisions of the District personnel policies and procedures. If any term or condition of this Agreement is inconsistent or in conflict with a term or condition of the personnel policies and procedures of the District, the provisions of this Agreement will govern.
- b. Annuitant's total hours of employment in each fiscal year in which he works for the

District shall not exceed of total of 960 hours for the District and all other CalPERS eligible employers. Once Annuitant has worked for 960 hours total in a single fiscal year for the District and any other CalPERS employers, the District will terminate Annuitant's employment for that fiscal year and, at its sole discretion, the District may terminate this Agreement as provided in Section 9 below. **It is Annuitant's responsibility to notify the District of his cumulative hours worked for other CalPERS eligible employers.**

- c. Annuitant agrees to notify the District if he accepts any other part-time employment with a CalPERS eligible employer. Annuitant's failure to do so will cause his immediate dismissal by the District. In addition, Annuitant's failure to report that he has accepted employment with another CalPERS employer while in the District's employ shall impose sole liability on Annuitant for any employer contributions that CalPERS may assess against the District for the time before the District becomes aware of Annuitant's other employment.

7. Annuitant's Representations and Warranties.

- a. Annuitant warrants that he has been retired for service from state service, as defined in the Public Employees' Retirement Law, for at least 180 days and that he therefore is eligible to be employed as a retired annuitant by the District.
- b. Annuitant represents that he is currently not employed by any other CalPERS employer.
- c. Annuitant acknowledges that he has received and read the CalPERS publication entitled "A Guide to CalPERS Employment After Retirement."
- d. Annuitant warrants that he has not received any unemployment insurance compensation arising out of prior public employment during the prior 12-month period prior to appointment.

8. At Will Employment. Annuitant acknowledges and agrees that his employment by the District under this Agreement is temporary and at will, and that nothing herein, express or implied, creates any right of permanent or regular employment by the District or creates an employment relationship under an express or implied contract providing for termination only for cause.

9. Termination. This Agreement may be terminated with or without cause by either party. Upon termination regardless of which party invokes this provision or cause, the District will have no obligation to Annuitant other than to pay Annuitant at the rate of pay for all hours actually worked up to the termination date. Annuitant will be required to return all work papers, work, electronic work, supplies, tools, office equipment, keys, and all other District property upon termination.

10. CalPERS Reporting. Consistent with the requirements of Government Code Section 21220(d) and (e), the District will enroll Annuitant in CalPERS solely for administrative recordkeeping purposes (Annuitant will remain in retired status) and will report both the hours worked by Annuitant and pay pursuant to this Agreement.

11. Entire Agreement. This writing constitutes the sole, entire, integrated and exclusive agreement between the parties respecting Annuitant's employment by the District, and any other contracts, contract terms, understandings, promises or representations not expressly set forth or referenced in this writing are null and void and of no force and effect.

12. Notices. Any notice to be given to Annuitant will be sufficiently served if given to him personally, or if deposited in the United States Mail, regular pre-paid mail, addressed to him at his most recent residence address as shown on the District payroll records. Any notice to be given to the District will be addressed to the District's General Manager and delivered or mailed to the District's offices.

13. Waiver. The waiver at any time by either party of its rights with respect to a default or other matter arising in connection with this Agreement will not be deemed a waiver with respect to any subsequent default or matter.

14. Construction and Interpretation. The District and Annuitant agree and acknowledge that this Agreement has been arrived at through negotiation, and that each party has had a full and fair opportunity to revise the terms of this Agreement. Consequently, the normal rule of construction that any ambiguities are to be resolved against the drafting party will not apply in construing or interpreting this Agreement.

CARMICHAEL WATER DISTRICT:

By: _____ Date: _____
Cathy Lee, General Manager

ANNUITANT:

By: _____ Date: _____
Kenneth J. Glotzbach



MEMO

DATE: May 30, 2025

TO: Special District Presiding Officer

FROM: José C. Henríquez, Executive Officer *(Signature)*
 Sacramento Local Agency Formation Commission

SUBJECT: Election of Special District Representatives to Sacramento LAFCo
 Nominations for Special District Commissioners (Regular and Alternate Seats)

The Special District Selection Committee is electing representatives to serve on LAFCo. The seats are:

- **Regular (Voting) Special District Representative:** Serves on the Commission as a full, voting member.
- **Alternate Special District Representative:** Serves on LAFCo in a non-voting capacity; however, the Alternate can vote whenever one of the Regular members is absent, recused or ineligible to vote.

Each seat serves a new 4-year term beginning in January 1, 2026.

Due to the size of the Special District Selection Committee, it has been difficult to establish a quorum when meeting in person. Therefore, pursuant to the provisions of Government Code §56332(f), the Executive Officer has determined that the business of the Special District Selection Committee will be conducted in writing.

Special District Commissioners, Regular and Alternate Seats

This Regular, voting seat is currently held by Gay Jones of Sacramento Metropolitan Fire Protection District. Her term will expire on December 31st, 2025. The Alternate seat is held by Charlea Moore from the Rio Linda Elverta Recreation & Park District. Her term will also expire on December 31st, 2025. Each seat has a term of office of four years.

Commissioners

*Sue Frost, Rich Desmond, County Members ■ Patrick Hume, Alternate
 Sean Loloe, Iva Walton, City Members ■ Katie Valenzuela, Jay Vandenburg, Alternates
 Chris Little, Public Member ■ Timothy Murphy, Alternate*

Lindsey Liebig, Gay Jones, Special District Members ■ Charlea Moore, Alternate

Staff

*José C. Henríquez, Executive Officer ■ Desirae Fox, Policy Analyst
 Nancy Miller, DeeAnne Gillick, Commission Counsel*

Nomination Requirements

The nomination period will be 62 days; all nominations are due in writing on or before 5:00 pm on July 31st, 2025. Nominations received after that date cannot be accepted and will be returned to your District. A nominee must be a Director from an independent special district within Sacramento County. To be valid, all nominations must include the following:

- 1) Name and district of the nominee;
- 2) Name of the nominating district; and
- 3) Signature of the Presiding Officer of the District's Board of Directors or the record of nomination made by majority vote at an official meeting of your District's Board (Resolution or Minute Order can be attached), certified by the Board Secretary, Board Clerk or District Manager.

Please submit a statement of qualifications (not to exceed one page) for each nominee.

Special District Representative Election (to be held after August 1, 2025)

Once the nomination period is closed, the Executive Officer will prepare and distribute, by certified mail or by email, one ballot listing valid candidates and voting instructions to each Independent Special District. The one-page statement of qualifications, if provided, will be included as submitted. The ballot will include the names of all nominees submitted for these positions. The Districts must return their ballot to the Executive Officer by the date specified in the voting instructions, which will be at least 30 days from the date the ballots were distributed. Any ballot received after the specified date will not be valid.

Within 14 days of the election date, the Executive Officer will announce the winner of the most votes.

If you have any questions, please contact the LAFCo office at (916) 874-6458.

Enclosure: Election Nomination Ballot

Government Code §56332



SACRAMENTO LOCAL AGENCY FORMATION COMMISSION
1112 I Street, Suite 100 • Sacramento, CA 95814 • (916) 874-6458
www.saclafco.org

SPECIAL DISTRICT NOMINATION

Special District Representative to LAFCo, Regular and Alternate

Position	Nominee's Name	Originating District

SIGNATURE OF PRESIDING OFFICER: _____
(Original Signature Required)

Note: *Presiding Officer is the Chair/President. Any other signature invalidates this ballot, unless accompanied by Meeting Minutes designating an alternate.*

PRINTED NAME OF PRESIDING OFFICER: _____
(Required)

NAME OF NOMINATING DISTRICT: _____

MINUTES ATTACHED (Optional): Yes No

NOMINEE IS RUNNING FOR POSITION: Regular (Voting) Alternate

Attest:

District Secretary, Clerk or General Manager

**Nominations must be received by LAFCO before
5:00 p.m. on July 31, 2025**

Return to:

Sacramento LAFCo (clerk@saclafco.org or at the address above)

Commissioners

Sue Frost, Rich Desmond, County Members ■ Patrick Hume, Alternate
Sean Loloe, Iva Walton, City Members ■ Katie Valenzuela, Jay Vandenburg, Alternates
Chris Little, Public Member ■ Timothy Murphy, Alternate
Lindsey Liebig, Gay Jones, Special District Members ■ Charlea Moore, Alternate

Staff

José C. Henríquez, Executive Officer ■ Desirae Fox, Policy Analyst
Nancy Miller, DeeAnne Gillick, Commission Counsel

GOVERNMENT CODE - GOV

TITLE 5. LOCAL AGENCIES [50001 - 57607] (*Title 5 added by Stats. 1949, Ch. 81.*)

DIVISION 3. CORTESE-KNOX-HERTZBERG LOCAL GOVERNMENT REORGANIZATION ACT OF 2000 [56000 - 57550] (*Heading of Division 3 amended by Stats. 2001, Ch. 388, Sec. 1.*)

PART 2. LOCAL AGENCY FORMATION COMMISSION [56300 - 56430] (*Part 2 added by Stats. 1985, Ch. 541, Sec. 3.*)

CHAPTER 2. Formation of Commission and Selection of Commissioners [56325 - 56337] (*Chapter 2 added by Stats. 1985, Ch. 541, Sec. 3.*)

56332. (a) The independent special district selection committee shall consist of the presiding officer of the legislative body of each independent special district. However, if the presiding officer of an independent special district is unable to participate in a meeting or election of the independent special district selection committee, the legislative body of the district may appoint one of its members as an alternate to participate in the selection committee in the presiding officer's place. Those districts shall include districts located wholly within the county and those containing territory within the county representing 50 percent or more of the assessed value of taxable property of the district, as shown on the last equalized county assessment roll. Each member of the committee shall be entitled to one vote for each independent special district of which he or she is the presiding officer or his or her alternate as designated by the governing body. Members representing a majority of the eligible districts shall constitute a quorum.

(b) The executive officer shall call and give written notice of all meetings of the members of the selection committee. A meeting shall be called and held under one of the following circumstances:

(1) Whenever the executive officer anticipates that a vacancy will occur within the next 90 days among the members or alternate member representing independent special districts on the commission.

(2) Whenever a vacancy exists among the members or alternate member representing independent special districts upon the commission.

(3) Upon receipt of a written request by one or more members of the selection committee representing districts having 10 percent or more of the assessed value of taxable property within the county, as shown on the last equalized county assessment roll.

(4) Upon the adoption of a resolution of intention pursuant to Section 56332.5.

(5) Upon receipt of a written request by one or more members of the selection committee notifying the executive officer of the need to appoint a member representing independent special districts on an oversight board pursuant to paragraph (3) of subdivision (j) of Section 34179 of the Health and Safety Code.

(c) The selection committee shall appoint two regular members and one alternate member to the commission. The members so appointed shall be elected or appointed members of the legislative body of an independent special district residing within the county but shall not be members of the legislative body of a city or county. If one of the regular district members is absent from a commission meeting or disqualifies himself or herself from participating in a meeting, the alternate district member may serve and vote in place of the regular district member for that meeting. Service on the commission by a regular district member shall not disqualify, or be cause for disqualification of, the member from acting on proposals affecting the special district on whose legislative body the member serves. The special district selection committee may, at the time it appoints a member or alternate, provide that the member or alternate is disqualified from voting on proposals affecting the district on whose legislative body the member serves.

(1) The executive officer may prepare and deliver a call for nominations to each eligible district. The presiding officer, or his or her alternate as designated by the governing body, may respond in writing by the date specified in the call for nominations, which date shall be at least 30 days from the date on which the executive officer mailed the call for nominations to the eligible district.

(2) At the end of the nominating period, if only one candidate is nominated for a vacant seat, that candidate shall be deemed appointed. This paragraph shall be operative only if the written notice of the meeting provided pursuant to subdivision (b) discloses that, if nominations are received for only one candidate by the end of the nominating period, the candidate shall be deemed appointed and the meeting may be cancelled.

(d) If the office of a regular district member becomes vacant, the alternate member may serve and vote in place of the former regular district member until the appointment and qualification of a regular district member to fill the vacancy.

(e) A majority of the independent special district selection committee may determine to conduct the committee's business by mail, including holding all elections by mailed ballot, pursuant to subdivision (f).

(f) If the independent special district selection committee has determined to conduct the committee's business by mail or if the executive officer determines that a meeting of the special district selection committee is not feasible, the executive officer shall conduct the business of the committee by mail. Elections by mail shall be conducted as provided in this subdivision.

(1) The executive officer shall prepare and deliver a call for nominations to each eligible district. The presiding officer, or his or her alternate as designated by the governing body, may respond in writing by the date specified in the call for nominations, which date shall be at least 30 days from the date on which the executive officer mailed the call for nominations to the eligible district.

(2) At the end of the nominating period, if only one candidate is nominated for a vacant seat, that candidate shall be deemed appointed. If two or more candidates are nominated, the executive officer shall prepare and deliver one ballot and voting instructions to each eligible

district. The ballot shall include the names of all nominees and the office for which each was nominated. Each presiding officer, or his or her alternate as designated by the governing body, shall return the ballot to the executive officer by the date specified in the voting instructions, which date shall be at least 30 days from the date on which the executive officer mailed the ballot to the eligible district.

(3) The call for nominations, ballots, and voting instructions shall be delivered by certified mail to each eligible district. As an alternative to the delivery by certified mail, the executive officer may transmit materials by electronic mail. All notices and election materials shall be addressed to the presiding officer, care of the clerk of the district.

(4) Nominations and ballots may be returned to the executive officer by electronic mail.

(5) Each returned nomination and ballot shall be signed by the presiding officer or his or her alternate as designated by the governing body of the eligible district.

(6) For an election to be valid, at least a quorum of the special districts must submit valid ballots. The candidate receiving the most votes shall be elected, unless another procedure has been adopted by the selection committee. Any nomination and ballot received by the executive officer after the date specified is invalid, provided, however, that if a quorum of ballots is not received by that date, the executive officer shall extend the date to submit ballots by 60 days and notify all districts of the extension. If ballots from a quorum of the districts have not been received at the end of the 60-day extension period, the executive officer shall extend the period to return ballots for a length of time at his or her discretion until a quorum is achieved, unless another procedure has been adopted by the selection committee. The executive officer shall announce the results of the election within seven days of the date specified.

(7) For a vote on special district representation to be valid, at least a quorum of the special districts must submit valid ballots to the executive officer by the date specified in the voting instructions, which date shall be at least 30 days from the date on which the executive officer mailed the ballot to the eligible district. If ballots from a quorum of the districts have not been received at the end of the 60-day extension period, the executive officer shall extend the period to return ballots for a length of time at his or her discretion until a quorum is achieved, unless another procedure has been adopted by the selection committee. By majority vote of those district representatives voting on the issue, the selection committee shall either accept or deny representation. The executive officer shall announce the results of the election within seven days of the date specified.

(8) All election materials shall be retained by the executive officer for a period of at least six months after the announcement of the election results.

(g) For purposes of this section, "executive officer" means the executive officer or designee as authorized by the commission.

(Amended by Stats. 2018, Ch. 86, Sec. 6. (AB 3254) Effective January 1, 2019.)

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Topic: FY 2025-26 Salary Schedule and Benefits

Date: June 8, 2025

Item For: Action

Submitted By: Cathy Lee, General Manager

BACKGROUND

District Policy 4040: Salary Range – Performance Step Program states:

“Every three (3) years, the Salary and Benefit survey will be reviewed and new averages calculated using the following agencies: Citrus Heights Water District, City of Folsom, City of Roseville, City of Sacramento, El Dorado Irrigation District, Elk Grove Water Service, Fair Oaks Water District, Placer County Water Agency, Sacramento County, Sacramento Suburban Water District, and San Juan Water District. Results of this exercise may result in adjustments in the salary ranges”.

The Agreement between Carmichael Water District and AFSCME Local 146 for District's represented staff will expire on June 30, 2025. District has contracted with Bryce Consulting to perform a new salary survey.

SUMMARY/DISCUSSION

Bryce Consulting's salary survey contains two main factors, total cash and total benefits, leading to total compensation. The comparative salary is based on total compensation. A significant portion of the total compensation is the employer's contribution towards medical premiums set by CalPERS. In the last three years or so, insurance plans in CalPERS underwent considerable annual increases in the 6 – 20% range for the popular plans and the adjustments were unpredictable. CalPERS is set to release the preliminary premiums for FY 25-26 to its Pension & Health Benefits Committee (PHBC) at its meeting on June 17, 2025. Represented staff and AFSCME have agreed to continue the negotiation process until the premium rates are released. As such, the salary adjustment for all staff on July 1 will be delayed and implemented retroactively at a later date until the new salary schedule can be developed and approved by the Board based on the salary survey and negotiations.

FINANCIAL IMPACT

The financial impact for salary and benefits are speculative and unknown at this time.

RECOMMENDATION

Staff recommends that the Board of Directors approve a delay in salary adjustment until July 2025 Board meeting.

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Carmichael Water District

Carmichael, California

2025-2026
Final Budget



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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
Ronald Davis, Division 1
Jeff Nelson, Division 3
Paul Selsky, Division 5

General Manager Cathy Lee

Management Team
Debbie Martin, CPA (Inactive), Finance Manager/Treasurer
Greg Norris, Engineering Manager
David Biagi, Production Superintendent
Lucas Campbell, Distribution Superintendent
Cecilia Dodge, Billing Supervisor

Senior Accountant Ben Strange

Prepared by the Finance Department
under direction of the General Manager

Fiscal Year
July 1, 2025 – June 30, 2026

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CARMICHAEL WATER DISTRICT

RESOLUTION 06162025-02

**A RESOLUTION ADOPTING THE CARMICHAEL WATER DISTRICT (DISTRICT)
FISCAL YEAR (FY) 2025-2026 ANNUAL BUDGET,
CONTINUATION OF THE FIVE-YEAR WATER RATE SCHEDULE
(INCLUDING WATER SURCHARGES),
FEE SCHEDULE, AND SALARY BANDS**

BE IT RESOLVED, that the Board of Directors hereby adopts the Carmichael Water District FY 2025-2026 Annual Budget, Salary Bands, and Fee Schedule. The Board of Directors further finds that the FY 2025-2026 Annual Budget including rate adjustment of 0.0%, Salary Bands, and Fee Schedule are necessary to meet operating expenses and maintain service within the District, including, but not limited to: 1) payment of debt service for capital projects; 2) manage capital improvement program; 3) meet water efficiency and regional planning goals; and 4) maintain prudent reserves. No expansion of service area is contemplated or financed in this budget, salary bands, water rate schedule, and fee schedule.

PASSED AND ADOPTED by the Board of Directors by the following vote:

Jeff Nelson	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Ronald Davis	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Mark Emmerson	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Ron Greenwood	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>
Paul Selsky	Aye	<input type="checkbox"/>	Nay	<input type="checkbox"/>	Absent	<input type="checkbox"/>	Abstain	<input type="checkbox"/>

Board Totals: **Ayes:** **Nays:** **Absent:** **Abstain:**

Passed Unanimously:
Motion Carried:
Motion Not Carried:

Signed after its passage this 16 day of June 2025:

Ron Greenwood, President
Board of Directors

ATTEST: _____

Cathy Lee,
Secretary

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GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished
Budget Presentation
Award*

PRESENTED TO

**Carmichael Water District
California**

For the Fiscal Year Beginning

July 01, 2024

Christopher P. Monell

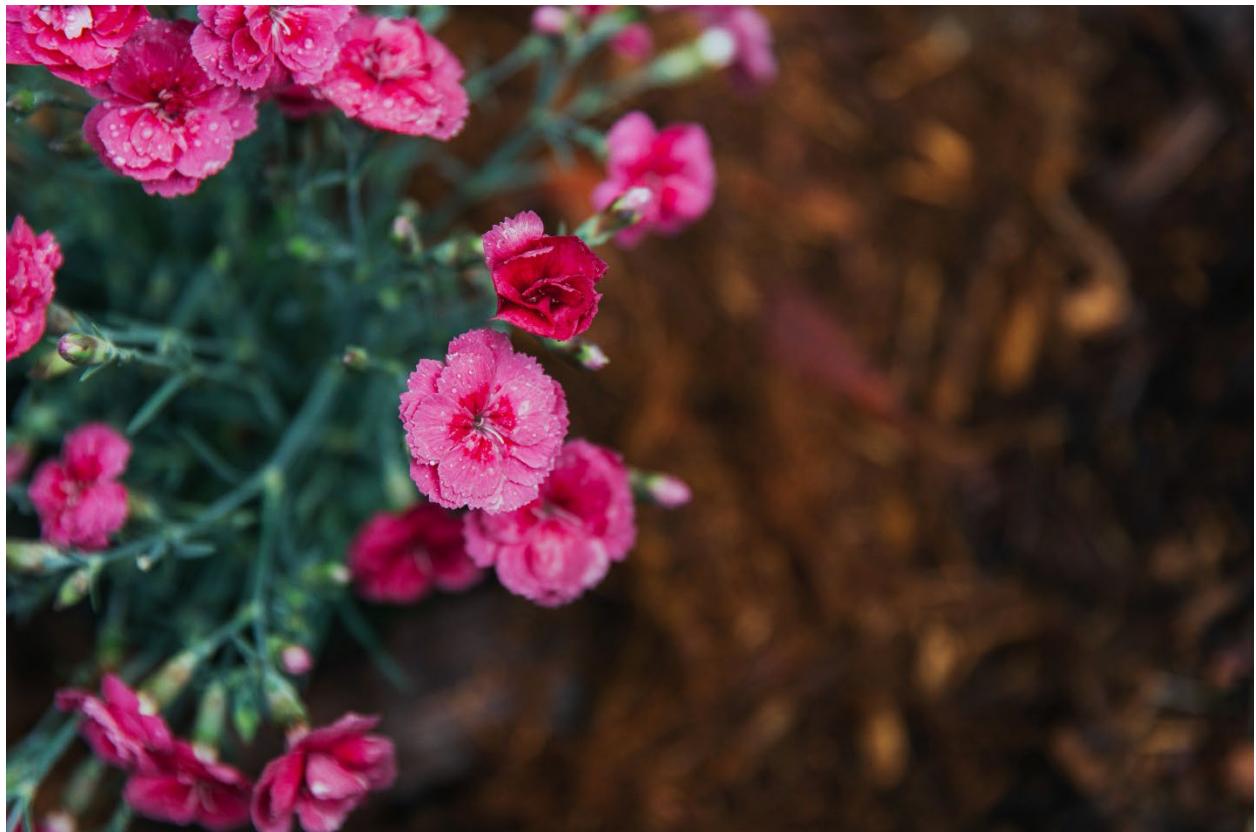
Executive Director

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Introduction

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Letter from the General Manager

June 12, 2025

Board of Directors
Carmichael Water District
7837 Fair Oaks Boulevard
Carmichael, CA 95608

To Carmichael Water District ratepayers, Honorable President, and Board of Directors:

It is our pleasure to present this award-winning budget document that provides detailed District financial information designed to provide deep understanding of both the District's current operational needs and future priorities. The following document supports the District's 50-year master plan and establishes the financial framework to support the District's Mission Statement:

"Committed to providing the highest quality water for the lowest feasible cost and to serving our customers with diligence, efficiency, and integrity".

BOARD OF DIRECTORS STRATEGIC PRIORITIES AND GOALS

The organizational priorities and goals provided in the budget reflects a collaborative effort by staff to align resources with the Board of Director's strategic priorities, while continuing to maintain fiscal responsibility. Currently, the Board of Directors is in the process of developing a written strategic plan to drive the Boards' vision for desired outcomes with purposeful planning in the following areas:

- Water rights reliability and supply sustainability,
- Fiscal responsibility
- Community and stakeholder engagement,
- Infrastructure resilience and modernization,
- Organization culture and workforce development.

With the priorities identified, the Board can then develop the specific objectives and targets to achieve each of the priorities. The 2025-26 budget has been developed to further the financial aspects of these priorities and are highlighted in the following detailed information.

PRIORITIZED INFRASTRUCTURE PROJECTS AND FUNDING SOURCES

With the strategic goals of infrastructure supply sustainability, resiliency, and modernization, and, as California continues to experience extreme droughts and modifies its priorities through the Bay-Delta Water Quality Control Plan, the District is embarking on an aggressive plan to add four new aquifer storage and recovery (ASR) wells in the next two to three years. The new ASR wells allow the District to store excess surface water underground when surface water is abundant during winter and rainy months as well as improve groundwater recharge and storage. ASR wells enhance the District's ability to manage water supply reliability and adapt to climate change conditions.

Notably, the District has successfully secured grant funding of \$12.8 million for three of the four ASR wells avoiding debt, preserving reserves, and impacting the future of rate considerations. These grant funded ASR wells include the La Sierra Well, the Ladera Well and the Winding Way Well. Construction of the three wells will continue this budget year, with La Sierra expected to be complete this budget year, followed by completion of Ladera and Winding Way the following budget year (FY 2026/27).

As a direct result of the increases in water rates approved by the Board of Directors effective January 1, 2021 continuing through this budget year, and ending December 31, 2025, the District has significantly increased capital infrastructure spending with several other high priority capital projects in the Production and Distribution Divisions. As mentioned previously, the District intends to build four ASR wells, with the fourth one funded by the water rate increases. This fourth ASR well will be replacing the 80 year-old Garfield Well.

Additional rate funded significant Production infrastructure projects this budget year include the continuation of the modernization and upgrading of the SCADA system at the Bajamont Water Treatment Plant with estimated completion now targeted for 2027-28, and the rollover of the Garfield Well generator and electrical improvement project from last fiscal year. New this year will be the kick off of the Ranney Collector Rehabilitation project. The Rehab/replacement of the Ranney Collectors laterals are a high priority for the District. This is an estimated \$30 million project for rehab/replacement of all three collectors and ongoing financial planning is occurring to secure the funding, either through rates, through setting aside of reserves, and grant funding opportunities. Financial planning for the Ranney Collectors is centered on the avoidance of debt.

The Distribution Division is proactively replacing leak-prone steel pipelines and has scheduled two major rate funded projects this budget year. These combined projects will be replacing approximately 4,200 feet of 8" to 12" steel pipeline as part of the Claremont Waterline and Fair Oaks Boulevard project packages. The Claremont project was budgeted in the current fiscal year but needed to be rolled to the new budget year for completion. The reserved funds will be reallocated from the current fiscal year to the new budget year for this project. Additionally, this budget year continues with the initial stages of the significant 10-phase effort to replace crucial aged transmission lines from the treatment plant and other mainlines. Design work will begin this new budget year with Phase 1 of the project from the treatment plant to Marshall Avenue. The phased projects are currently planned for rate funding, however, Staff is seeking grant funding opportunities. As funding, either grant or otherwise becomes available, progression of the project phases will be slated in future budget years accordingly.

Currently, the District is in the process of constructing the \$12 million La Vista Water Storage Tank and Booster Pump Station. The project is funded from the issuance of certificate of participation (COP) bonds and is scheduled for completion in 2025. This project replaces a 50 year old tank facility and pump station.

REGULATORY CHALLENGES AND CLIMATE EFFECTS

An increase in climate change driven drought conditions combined with new water conservation laws pose a significant risk to the District's revenue flow. The District received curtailment orders in 2014, 2015, and most recently in 2021 with a resulting 100% reduction in surface water supply. In response, the District implemented a 20% reduction requirement in water use per Stage 2 of the District's Water Shortage Contingency Plan (WSCP). The District's revenues are tied to customer's water demand and any water use reduction will result in a decline of revenue. In addition to the revenue reductions, the District will also experience an increase in expenses as a result of augmented public outreach and water conservation programs, as well as potential water purchase costs. To assist with balancing potential revenue gaps, the District adopted water shortage surcharges that can be applied as a percentage increase to the water usage rates in effect when a water shortage is declared by the Board of Directors and in response to State of California mandated water conservation measures. Water shortage surcharges are only available during emergency drought conditions and do not address long term strains on the District's revenue flow driven by new water efficiency standards.

SIGNIFICANT BUDGETARY ITEMS

Total revenue

Total revenues are budgeted at \$31.9 million this year, an increase of \$4.2 million more than last year's budget of \$26.3 million. The projected increase is built around three factors this year.

First, water sales are expected to increase by \$1.65 million. The 2025-26 Final Budget is currently developed with no new rate increases; however, the budget does incorporate the last six months (July through December) of the 2025 9.5% Board approved water rate increase that became effective January 1, 2025. Second, water consumption has been trending upward this year with current reports through May, 2025 showing an increase of about 10% more in usage this year compared to last year, equating to about \$.7 million more in consumption revenue. Given that current water supplies are ample with reservoirs and snowpacks at very comfortable levels, water consumption is likely to continue gently upward through the upcoming fiscal year. Revenue projections for consumption then for the Final Budget were projected conservatively to reflect only a moderate estimate of the current year's usage trend. Revenue projections may change with an upcoming budget modification as the District is undergoing a rate and fee charge study, comprehensive cost of service analysis, and complex financial planning review. Any changes to revenue as a result of this analysis will be developed in late fall when the results are presented to the Board of Directors.

Third, as was the case last year, this year's budget again incorporates substantial expected grant funding and other non-rate revenue sources. Current estimates, based on Capital Infrastructure Project (CIP) expenditure planning, estimates \$10.3 million in such revenue, an increase of \$2.55 million over last year. District staff were very successful in securing approximately \$12.0 million overall in grant funding for the La Sierra, Ladera, and Winding Way ASR wells. Ongoing funding for the current turf replacement program will continue.

The District will continue the comprehensive program for investing the reserves that are accumulating for long-term infrastructure replacements and repairs and intends to generate a minimum of about \$400,000 in investment income. Currently, the District has invested about \$15.3 million of accumulated capital project reserve funds in conservative interest earning investment accounts, in accordance with the District Investment Policy.

Operating expense budget

Total operating expenses for this budget year are estimated at \$10.2 million, edging up \$.5 million higher than the previous budget year. Operations and maintenance (O&M) expenses have increased by 4.6% over last year with several factors contributing to the increase.

Depending on the commodity or service, generalized inflationary increases are pressuring costs driving expenses up anywhere from 3% to 20%. New this year is a \$200,000 budgetary increase for contingency planning for unplanned Water Treatment Plant equipment replacements.

The last of the increase is attributable to labor and benefits. The Final Budget is prepared with the addition of an additional Senior Accountant to support the core functions of the Accounting Department. Additionally, the Board approved a 3% COLA to be effective July 1, 2025, so the salaries and benefits budgets have been developed with this rate. However, at the time of writing, there are several items in progress, particularly CalPERS' annual rates for medical insurance premiums that will impact the full development of the labor and benefits budget. The District is in negotiations with AFSCME Local 146 to secure a new contract as the current MOU expires on June 30, 2025. Adding to the complexity, the District policy requiring a three year rotating salary survey is underway and the result of the salary survey, in tandem with the 3% COLA, has yet to be determined. It is expected that a future budget amendment will be forthcoming as the labor and benefits items are settled and approved by the Board.

Capital improvement projects (CIP) budget

As described above, the CIP budget has been developed with the Board's strategic goals and objectives in mind by using the approved water rate increases and grant resources to invest in the District's aging infrastructure and improve water resiliency. Summarized descriptions of the significant projects for the Production and Distribution projects are detailed above. The CIP budget for this year is \$19.3 million, a \$5.8 million increase over last year. \$3.2 million of the increase can be attributed to multi-year rate funded projects with the remaining \$2.6 million increase occurring as a result of an increase in grant funded multi-year projects.

Reserves and debt service

As per Board policy, the budget provides for reserve funding by continuing with the funding for the membrane reserves (\$.2 million), filter skid replacement (\$.65 million), and Ranney Collector rehabilitation/replacement (\$.5million). This budget also continues with the goals of providing prefunding for the PERS unfunded liability in the amount of \$.3 million and OPEB of \$.2 million. Debt service for the Series A and B bonds amount to \$2.5 million for principal and interest.

Structural deficit

The 2025-26 Final Budget is a unique budget this year as it is currently reflecting a structural deficit of \$2.3 million. A couple of CIP projects (described above) are rolling over to the next budget year and they are the primary driver for the deficit that will require the use of unused capital reserves to be used as a funding source for the closure of the deficit. An unexpected increase in project costs as a result of a recent bid for the two planned Distribution Division Multi-year CIP projects caused an additional \$.6 million last minute increase to the already unbalanced budget developed during previous budget drafts. Further, as described in the previous paragraphs, the labor and benefits budgets are in flux at this time, as well as the analysis of the 3% Board approved COLA in tandem with the salary survey. Lastly, and finally, revenue is conditionally estimated as a rate study is underway with results expected in late fall. For these reasons, the budget is intentionally prepared with a structural deficit until such time as the several instrumental pieces of the budget are negotiated and settled.

CONCLUSION

The fiscal year 2025-26 budget focuses on continuing important long-range infrastructure replacement and water resiliency projects to insulate the District against the unknowns of climate change, regulatory threats, and unknown overall economic fluctuations. With cautious and careful long range planning, the District is working to protect and preserve resources, both in financial reserves and infrastructure assets. Expenditure and revenue controls are in place to ensure the District is using its trusted public resources to its fullest.

Preparation of the Budget was accomplished by the combined efforts of District staff. We appreciate the dedication and professionalism that the staff members bring to Carmichael Water District. We also wish to thank the Board of Directors for their leadership and continued interest in prudent fiscal management.

Respectfully submitted,



Cathy Lee, P.E.
General Manager



Debbie Martin, CPA (Inactive)
Finance Manager

History and Profile

Creation of the District

The origin of the District dates to July 3, 1915 when the Carmichael Colonies Improvement Club appointed a committee to investigate the possible formation of an irrigation district to address the growing water needs of the Carmichael Colony. The committee hired Albert Givan, Sacramento Civil Engineer, to study the engineering feasibility of the projects. The result of that study was the formation of the Carmichael Irrigation District and the filing for a 15 cubic foot per second water right from the American River. The District held its first official meeting on February 8, 1916. At this time, the District was governed by a three-member Board of Directors. Elected to the first Board of Directors were Fred T. Phelps, J.M. Jones, and Arch D. McDonell. The District was the first irrigation district established in Sacramento County under the Wright Irrigation Act of 1887. This lead the way for surrounding Colonies to pursue their own irrigation districts.



Responding to Growing Water Needs

The District changed its name to Carmichael Water District in the 1980's but remains organized under the laws governing irrigation districts. The governance of the District is now through a five- member Board of Directors with each director elected to represent a division of approximately equal population within the service area. Today's District has come a long way from servicing the original ten acre plots to now covering approximately eight square miles. The District currently employs trained staff with the responsibilities of providing water treatment and delivery, administration, financial services, engineering, field operations, maintenance services, water efficiency and public information services to the District's customers.

Since its formation, the District has used several water supply diversions off the American River which have been modified and improved to become the current infiltration diversions feeding the Bajamont Water Treatment Plant, which is the main source of water supply for District customers. Groundwater was also developed by the District prior

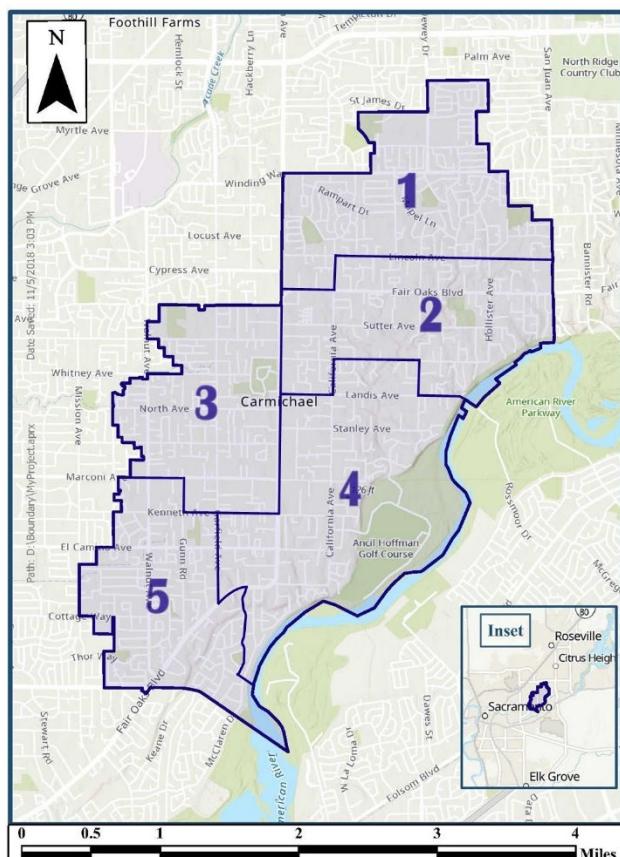
to World War II as part of a balanced conjunctive use portfolio management strategy and continues today with the District maintaining 4 groundwater wells with 3 of those utilized as primary wells.



Without a safe and reliable supply of public water, the Carmichael community could not have developed into the great place to live, work and play as it is today.

Profile

The District maintains over 160 miles of water lines within its approximately eight square mile service area. The District supplies an average of 2,940 million gallons of water annually to its approximately 40,000 customers located in the Carmichael Community. The governance of the District is through a five member elected Board of Directors with each director representing a division of approximately equal population within the service area.

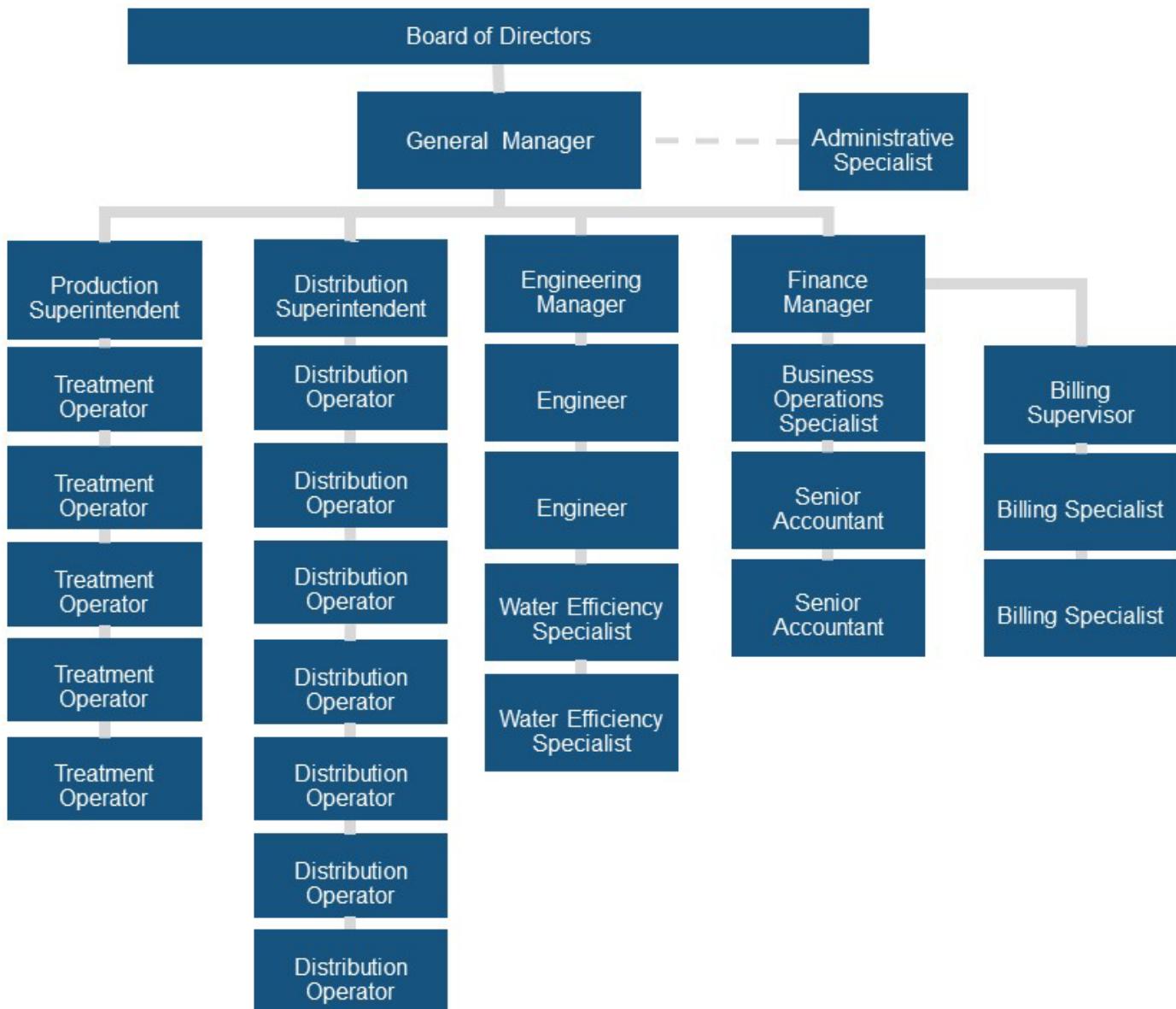


Water Sources

The District utilizes surface water from the American River and groundwater from District wells to meet the demand of District customers. The majority of the District's water is produced at the Bajamont Water Treatment Plant (WTP) which employs micro-filtration membrane technology to produce high quality water. Since the expansion of the WTP in 2008, the District has reduced the number of groundwater sources to 3 primary wells. The wells are operated seasonally, May through September. The District groundwater is of high quality and does not require additional treatment. The District routinely tests for over 140 contaminants to ensure safe and healthy drinking water for District customers. The District continues to meet or exceed all state and EPA regulatory requirements, and continues to deliver high quality water to their customers.



Organizational Structure





Financial Structure, Process and Policies

Fund Structure and Fund Description

Carmichael Water District is a special district organized under the State of California laws governing irrigation districts and uses a single enterprise fund to account for its operations and budget. The District uses just one major enterprise General Fund with a Revenue budget, Operation and Maintenance budget and Capital Improvement Budget.

Financial Overview

The Operations and Maintenance budget is segregated into three separate Divisions with distinct Departments as follows.

Administrative Services Division

Departments

- Board of Directors
- Office of the General Manager
- Engineering/Technical services
- Engineering/Public Outreach and Water Efficiency
- Finance/Accounting
- Finance/Customer Service
- General administration/Human Resources
- General administration/Information Technology
- General administration/Non departmental

Production Division

Departments

- Administration
- Treatment Plant Operations
- Well Operations

Distribution Division

Departments

- Administration
- Transmission and Distribution Repairs and Maintenance

Basis of Budgeting

The District's financial records are kept in accordance with Generally Accepted Accounting Principles (GAAP) for governmental funds. The District follows GAAP requirements using the full accrual basis of accounting. Therefore, revenues are recognized in the accounting period in which they are earned and operating expenses are recognized in the accounting period incurred.

The exceptions are as follows:

- a. Compensated absence liabilities are expected to be liquidated with current expendable financial resources, they are accrued as earned by employees (GAAP standard) as opposed to being expended when paid.
- b. Principal payments on Long Term Debt are applied to the outstanding liability on a GAAP basis, as opposed to being expended on a budget basis.
- c. Capital outlays are capitalized on a GAAP basis; however, on a budget basis, they are treated as expenditures.
- d. Depreciation expense is recorded on a GAAP basis but is not contemplated on the budget basis.
- e. Interest expenses are capitalized during construction on a GAAP basis, but are reported as an expense on a budget basis.
- f. Pension expense is budgeted based on employer contribution rates assigned by CalPERS. For financial statement reporting, pension expense is recorded based on the change in the net pension liability in accordance with the Governmental Accounting Standards Board (GASB), as determined by an actuarial valuation.
- g. Other post-employment benefits (OPEB) is budgeted based on the District's anticipated fiscal year contribution. For financial statement reporting, OPEB expense is recorded based on the change in net OPEB liability in accordance with GASB, as determined by an actuarial valuation.

Budget Process

The budget reflects the direction of the District and is the District's communication tool to the public. The budget represents guidelines established to address the District's goals and objectives. This document also demonstrates the District's ability to use financial resources for completing critical capital projects for current and future customers, as well as the District's commitment to meet its financial obligations. Throughout the year management staff plans out the goals of the District that support the District's mission, vision, and values.

The budget process timeline outlined below.



Budget Control

Throughout the budget period, management staff are responsible for monitoring their department's budget. The Finance Department provides tools for managers to review their budgets at any time. In addition to the budget process, Finance presents a monthly budget summary to the Board for review and approval. The budget summary updates the Board of all revenues, operational and capital expenditures, as well as reserve funding, debt servicing, and long-term liability prefunding.

There are times when funds may need to be transferred from one account to another. These are budget adjustments that are a reallocation of expenditures that were already included in the budget and do not affect total appropriation approved by the Board. In the case of an unplanned expenditure, the budget adjustment will be presented to the Board as a reallocation or for approval to increase the budget utilizing reserves.

Balanced Budget

A balanced budget is defined as a budget where revenue and other funding sources equal or exceed expenditures and other funding uses. The District budget is considered balanced after a full year of revenue and expenses have been incurred and recorded.

Financial Policies



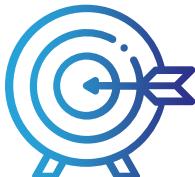
Internal Control Structure

District management is responsible for the establishment and maintenance of the internal control structure that ensures that the assets of the District are protected from loss, theft or misuse. The internal control structure also ensures that adequate accounting data are compiled to allow for the preparation of financial statements in conformity with GAAP. The District's internal control structure is designed to provide reasonable assurance that these objectives are met.



Investment Policy

The Board annually adopts an investment policy in January that conforms to state law, District ordinances and resolutions, and prudent money management. Investments are made under the terms and conditions of Section 53600-53684 and Sections 16429.1 to 16429.3 of the Government Code of the State of California. The criteria for selecting investments and the order of priority are: safety, liquidity, and return on investment. A monthly transactions report is presented to the Board in accordance with Section 53646(b) and 53607 of the Government Code



Risk Management

The District is a member of the Association of California Water Agencies (ACWA) / Joint Powers Insurance Authority (JPIA). The purpose of ACWA/JPIA is to arrange and administer programs of insurance for the pooling of self-insured losses and to purchase excess insurance coverage. The District participates in General Liability, Property, Automotive, Cybersecurity, Workers' Compensation, Public Officials' and Employees' Errors and Omissions, and Crime Coverage.



Asset Capitalization

The District's Asset Capitalization regulation ensures that the District's capital assets are acquired, safeguarded, controlled, disposed of, and accounted for in accordance with state and federal regulations, GAAP, internal controls, and audit requirements. The District capitalizes assets when the useful life is greater than one year, a minimum value of \$5,000, and the acquisition cost meets the capitalization threshold. Assets will be depreciated on the straight-line basis over their estimated useful life. Asset capitalization thresholds are detailed in the following table:

Asset capitalization: Threshold by Asset Type

Land	Capitalize
Transportation Equipment	\$ 5,000
Building and Improvements	10,000
Distribution Infrastructure	Capitalize
Information Technology	5,000
Machinery and equipment	5,000
Furniture and Fixtures	5,000
Pumping and Treatment	10,000
CIP's	Capitalize
Water Rights	Capitalize

Debt Policy

The District is committed to long-term financial planning, maintaining appropriate reserves levels and employing prudent practices in governance, management and budget administration. It is a policy goal of the District to protect ratepayers and constituents by utilizing conservative financing methods and techniques so as to obtain the highest practical credit ratings (if applicable) and the lowest practical borrowing costs

The District recognizes that a fiscally prudent debt policy is required in order to:

- a. Maintain the District's sound financial position.
- b. Ensure the District has the flexibility to respond to changes in future service priorities, revenue levels, and operating expenses.
- c. Protect the District's creditworthiness.
- d. Ensure that all debt is structured in order to protect both current and future ratepayers and constituents of the District.
- e. Ensure that the District's debt is consistent with the District's planning goals and objectives and capital improvement program or budget, as applicable.

Purchasing

The District's purchasing regulation defines the practices governing the procurement of supplies, materials, equipment, and services including construction and capital improvement projects. This regulation is the written rule and regulation required by California Government Code Section 54202 and also serves as the District's administrative procedure governing procurement activities. The District has established bid thresholds as follows:

Amount	Bid/Quote Requirement	Document Required	Approving Authority
Goods / Supplies / General Services			
\$0 - \$2,500.00	None	Record of Purchase (receipt, invoice or other documentation) or Purchase Order	Superintendent
\$0 - \$5,000.00	None	Record of Purchase (receipt, invoice or other documentation) or Purchase Order	Manager
\$5,000.01 \$15,000.00	- Informal (Verbal or Written Quotes)	Purchase Order or Agreement	Finance Manager
\$15,000.01 \$75,000.00	- Informal (Written Quotes)	Purchase Order or Agreement	General Manager
Over \$75,000	Formal (Bid)	Purchase Order or Agreement	District Board
Professional Services			
\$0 - \$75,000.00	None	Professional Services Agreement	General Manager
Over \$75,000	None	Professional Services Agreement	District Board
Public Works (Capital) Projects			
\$0 - \$25,000.00	None	Short Form Public Works Construction Contract	Manager/Superintendent
\$25,000.01 \$75,000.00	- Informal (Written Quotes)	Public Works Construction Contract (Short or Long Form depending on complexity and risks of work)	General Manager
Over \$75,000	Formal (Bid)	Long Form Public Works Construction Contract	District Board

In the case of an emergency affecting public health and safety or operations of the District, the General Manager has the authority to purchase necessary goods or services in order to resume service or maintain operation of the District. A full accounting of such emergency expenditures by the General Manager will be reported to the Board at the next regular Board meeting.

Reserve Policy (Directors Policy 9610)

The key to long-term financial stability is the ability to anticipate and prepare for significant financial obligations, to avoid and/or mitigate financial risk, and be able to respond responsibly and proactively to changing conditions and circumstances. The District has certain contractual, legal and other requirements to reserve cash and/or District capital, including debt covenants to satisfy specific claims on District assets or the District's earning capability.

Managing financial risk and providing stable funding to meet the District's long-term replacement and rehabilitation needs will assist the District in minimizing water rates over the long-term and help ensure continued reliable water service. The District's complete Reserve Policy is provided below:

POLICY NUMBER: 9610

9610.10 The key to long-term financial stability is the ability to anticipate and prepare for significant financial obligations, to avoid and/or mitigate financial risk and to be able to respond responsibly and proactively to changing conditions and circumstances.

9610.11 To achieve these goals, a portion of the Carmichael Water District's (District) net position, available resources, should be held in reserve for specified purposes. The District has certain contractual, legal and other requirements to reserve a portion of its available resources and/or District capital, including debt covenants to satisfy specific claims on District assets or the District's earning capability. Managing financial risk and providing stable funding to meet the District's long-term replacement and rehabilitation needs will assist the District in minimizing extra ordinary water rates adjustments over the long-term and help ensure continued reliable water service.

9610.12 This policy establishes reserves to minimize adverse annual impacts from anticipated and unanticipated District expenses to mitigate and minimize risk and provide a mechanism to help ensure funding for long-term capital improvement needs.

9610.20 The Reserve Structure

9610.21 Unrestricted Reserves: General Operating Fund – The General Operating Fund is the primary fund within the District. Most of the water system's revenues, including water rate revenues, flow into the General Operating Fund; all operating and maintenance costs, including debt service payments, are paid out of this fund. Funds are also transferred from the General Operating Fund to the Capital Fund to help pay for capital projects intended for new and replacement facilities.

9610.22 Board Designated Reserves: Capital Funds – Established by action of the Board of Directors (Board) and designated for specific purposes. This fund is utilized to fund capital and asset costs, for both new and replacement projects.

9610.23 Legally Restricted Reserves: Restricted Funds – Restrictions on the use of these funds are imposed by an outside source such as creditors, grantors, contributors, laws, or regulations governing use.

9610.30 Policy

9610.31 Unrestricted Reserves: General Operating Fund – The following reserve is established consistent with the 2015 Business Plan, to be included within the District's overall General Operating Fund.

9610.312 Operating Reserve: The purpose of the Operating Reserve is to provide sufficient funds for working capital and cash flow purposes, as well as funds for continued operation in the event of unplanned operating and maintenance expenditures. The District should maintain water rates and other revenues at such levels to maintain, at the end of each fiscal year, a minimum Operating Reserve balance equal to 50 percent of budgeted operating and maintenance costs, including debt service. This end-of-year balance is intended to ensure adequate working capital is available at the times that debt service payments are due, as well as to meet other ongoing cash flow needs throughout the year.

9610.313 This fund contains all operating and non-operating revenues not specifically allocable to other funds which may be used for the general purposes of the District. All operating and non-operating expenses identified and approved in the budget process, are financed from this fund. The use of the Operating Reserve is at staff's discretion for the purpose of meeting the District's financial obligations during each year.

9610.314 The Board should annually ensure that water rates and other charges are sufficient to meet or exceed the Operating Reserve target minimum balance at the end of each fiscal year.

9610.315 If at any time, during the course of normal operations, the Operating Reserve balance falls below 10 percent of budgeted operating and maintenance costs, including debt service, then the District should consider increasing the minimum year-end target amount, as well as prepare cash flow projections to verify that financial obligations will be met in the current year.

9610.32 Board Designated Reserves

9610.321 Capital Fund Reserves: The following reserves are established by action of the Board and designated for specific purposes. These funds are utilized to fund capital and asset costs, for both new and replacement projects consistent with the 2020 Business Plan. The Capital Fund Reserves contain three reserve components.

- a. Membrane Replacement Reserve: This is established to provide funds for the periodic replacement of membrane filters at the District's water treatment plant (WTP). Annual funding of this reserve is intended to reduce

the financial impacts of large (concentrated) membrane purchases, and smooth rate increases. Moneys in the Membrane Replacement Reserve should be used, at staff's discretion, only for purchase of new membrane filters at the District's WTP. The District will accumulate funds into this reserve balance at the rate of \$200,000 per annum.

b. Filter Skid System and Ranney Collector Replacement Reserve: This reserve is established to meet the needs of future replacement of 1) entire filtration process including all the skids with filter modules, support structures, and associated appurtenances, collectively the "filter" and 2). the Ranney Collectors (Collectors Numbers 1, 2, and 3). Annual funding of this reserve is intended to reduce the burden for future financing and smooth upward rate adjustments. Annual funding will continue until the funding and the reserve fund are abolished by the Board. Interest income earned on the accumulated funds will be allocated and contributed to the reserve fund.

Funds in the Filter Skid Replacement Reserve shall be used upon Board approval for implementation at staff's discretion, including but not limited to design, construction and purchase, of new filters at the District's WTP. The District will accumulate funds into this reserve balance at the rate of \$650,000 per annum through 2035 or until the completion of the Filter Skid Replacement Project whichever comes first.

Funds in the Ranney Collector Reserve shall be used, upon Board approval, for the design and construction and/or rehabilitation of the Ranney Collectors. The District will accumulate funds into this reserve at the rate of \$500,000 per annum.

c. Capital Replacement Reserve: This is established to provide funds in support of the District's on-going capital replacement program and to minimize or avoid the need for future long-term debt. This reserve balance is also intended to provide resources for eventual replacement of equipment, facilities, and infrastructure within the District.

- The District should seek to maintain an amount in the Capital Replacement Reserve sufficient to cover annual capital replacement program costs, as scheduled, with consideration of annual contributions to the reserve. Funds in the Capital Replacement Reserves should be used exclusively for capital projects planned and approved by the Board.
- The District should establish an annual transfer of funds from the General Operating Fund at a level sufficient to achieve the required target amount as identified in long-term financial planning analyses.
- Actual annual transfers should be determined based on near-term and long-term capital replacement needs, and not solely on immediate capital improvement project requirements.

d. Capital Facility Fees Reserve: The District collects capital facility fees from new development for capacity in the water system. This money is available to pay for capital facilities/expenditures that expand facilities in water system or otherwise extend the useful life of the existing facilities or assets. Water capital facilities fee revenue can be combined with the Capital Replacement Reserve and used for capital projects, provided it is

only spent on projects as explained above. The District staff will estimate, on a yearly basis, amount to be reserved in this reserve balance which will be based on the budgeted facility fees revenue.

e. Sacramento County (County) Impact Projects: This is established to provide funds for Sacramento County accelerated District requirements. County improvements require any permitted public utility to relocate its encroachment at the utility's expense within the time specified per Section 1463 of the Streets and Highways Code.

- When County funding comes available, the County projects are ready to go out to bid with little or no notice to the community and utilities. The County may receive accelerated federal grant funding money that may move certain projects ahead of their projected and/or scheduled dates. The District has established an annual budget for District required work for County Projects in its annual Capital Budget.
- The District should establish an annual transfer of funds from the General Operating Fund at a level sufficient to achieve the required target amount as identified in long-term financial planning analyses.
- Actual annual transfers will be determined by the staff for Board Approval based on both near-term and long-term County projects.

f. California Pension Retirement System (CalPERS) Unfunded Actuarial Liability (UAL) Pay-Down Reserve: The District recognizes its commitments to employees for retirement benefits and establishes a CalPERS UAL Pay-Down Reserve. The District will annually fund the reserve to pay-down pension amortization bases within the CalPERS until the unfunded liability is fully funded.

9610.33 Legally Restricted Reserves

9610.331 Debt-Related Funds and Reserves: The District recognizes that borrowing long-term funds for the purpose of enhancing, improving or acquiring infrastructure and facilities may be necessary. When the District determines that borrowing is necessary to fund such asset acquisitions, all funds borrowed should be accounted for in accordance with the covenants, terms and conditions as set forth in the bond agreement, Certificate of Participation Official Statement (COP's), Installment Sales Agreement or other similar documents. The following District reserve and fund categories are established to meet long-term debt covenants and to assist the District in its long-term debt obligations:

a. Rate Stabilization Reserve Fund: A Rate Stabilization Reserve Fund was established and should be maintained at a level of \$500,000 to provide funds for meeting the District's debt service coverage requirement. The District may deposit surplus Net Revenues transferred from the General Operating Fund attributable to a fiscal year, or moneys derived from any other legally available source, into the Rate Stabilization Reserve Fund. The District may, at any time, withdraw moneys from the Rate Stabilization Reserve Fund and deposit such amounts into the General Operating Fund. For purposes of debt service coverage, amount established as the Rate Stabilization

Reserve Fund shall be deducted from Net Revenues and moneys withdrawn from the Rate Stabilization Reserve Fund shall be added to Net Revenues.

- Use of the Rate Stabilization Reserve Fund may concurrently ensure financial and customer rate stability in responding to conditions including but not limited to:
 - Unforeseen operating and/or capital expenditures.
 - Revenue losses due to water shortages, drought or other conditions.
 - Natural or man-made disasters.
 - Major transmission or distribution main failures.
- The District's Business Plan includes a water shortage financial analysis and recommends a multi-prong financial strategy, which includes using a portion of money available in the Rate Stabilization Reserve Fund to help mitigate the financial impacts of a water shortage and reduced water sales that create an unplanned financial deficit.
- As described in the District's Business Plan, under water shortage conditions with mandatory water use restrictions, the Rate Stabilization Reserve Fund could be used in conjunction with water shortage rate surcharges. Conditions for utilization of such reserves and a plan for fund replenishment will be directed by the Board in conjunction with the budget approval.

b. Debt Service Reserve Fund: A Debt Service Reserve Fund has been established and is used to maintain the Reserve Requirement, as required by bond related documents. A Debt Service Reserve Fund is held and maintained by a Trustee for the District. Funding and usage of the Debt Service Reserve Fund must be consistent with debt covenants.

9610.332 OPEB Reserve Trust Account: The District recognizes its commitments to employees for post-employment benefits and establishes an OPEB Reserve Trust Account, (held by an outside trustee). The District will annually fund the Trust Account until the unfunded liability is fully funded.

9610.40 Conclusion

The District's Business Plan outlines the necessary reserves' targets needed to meet current and future obligations. Maintaining, regularly updating, and adhering to an appropriately constructed reserve policy is a good business practice recognized by the Government Finance Officers Association, and is among the factors considered by the credit rating and investment community when assessing the credit-worthiness of the District. Therefore, the adequacy of the target reserves and/or annual contributions will be reviewed annually during the budgeting and rate setting process and may be revised as necessary.

9610.41 Any additional revenue sources that become available may enable the District to:

- a. Fund depleted or unfunded reserves; and
- b. Reduce future rate increases when reserve targets are met.



Rates and Fees

Water Rate Schedule

Water rate schedule approved on December 19, 2020 (2021 Calendar year rates approved on January 19, 2021).

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						
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%	

5 YR HISTORY OF FIXED WATER RATES FOR 1" METER

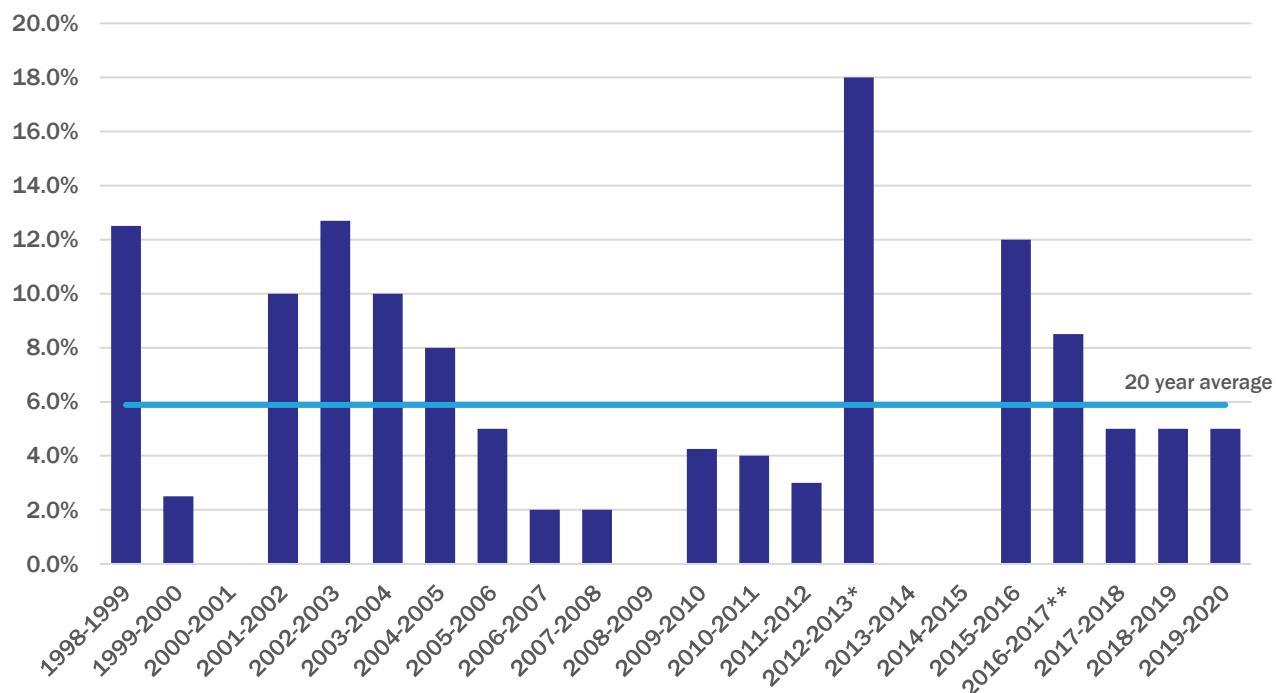


5 YR HISTORY OF PER UNIT RATES FOR 1" METER



Water Usage = CCF = 100 cubic feet = 748 gallons

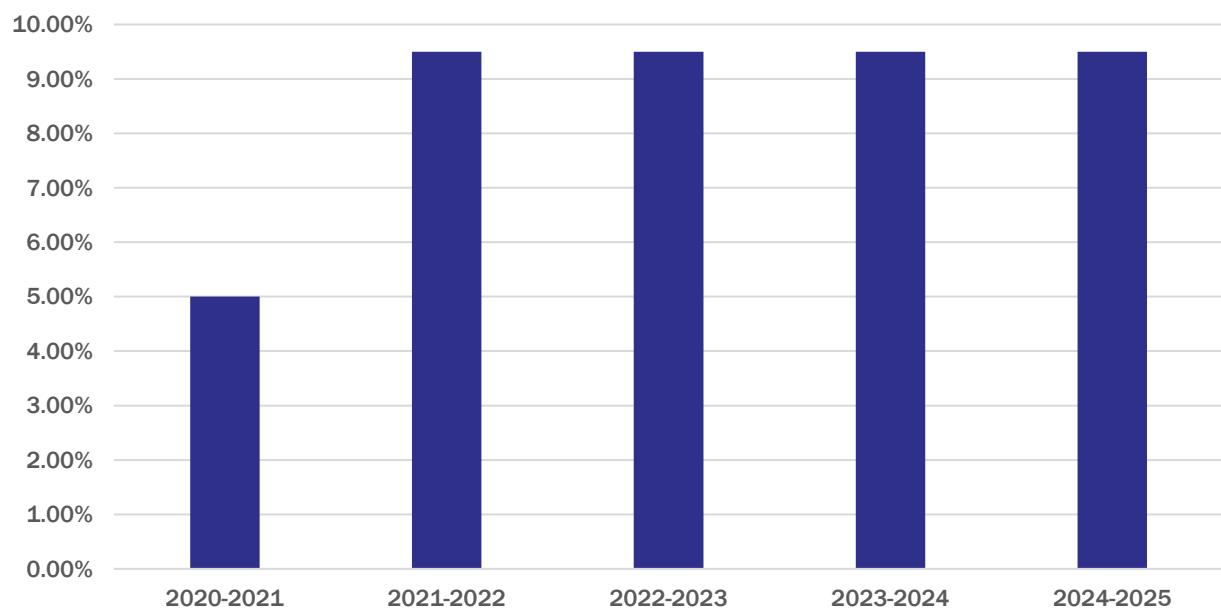
Historical Rate Increase - 1999-2020



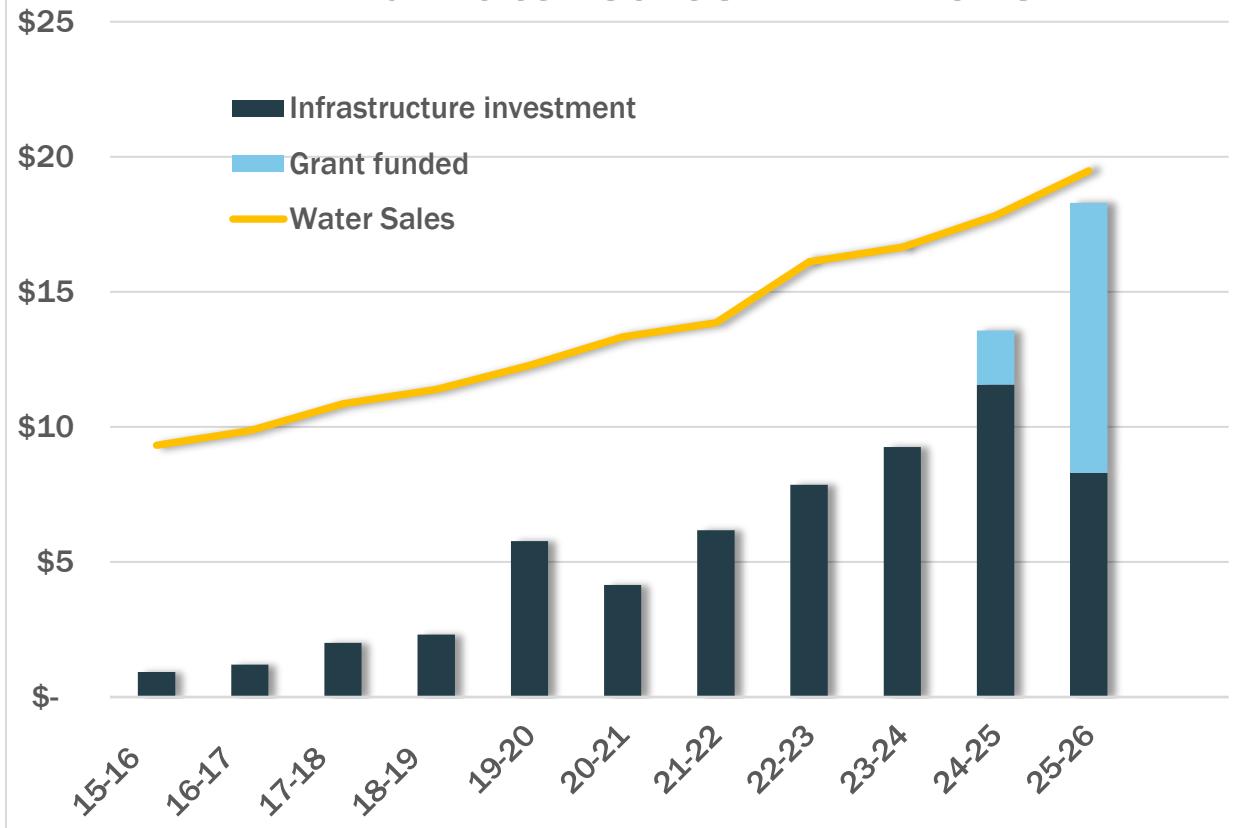
20 year average rate increase of 5.88%

* January 1, 2012 revenue increase of 18%

Rate Increase 2020-2025



Infrastructure investment And water sales in millions



Fee Schedule

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	0.83%
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
FIRE HYDRANT PERMIT		
Permit	Per Permit	\$ 133
Equipment Deposit	Per Permit	\$ 6,369
BACKFLOW		
Annual Test	Per Test	\$ 86
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
Meter Installation		****
	Per 1" Meter	\$ 713
	Per 1.5" Meter	\$ 1,186
	Per 2" Meter	\$ 1,249
WATER CONSERVATION VIOLATION		
	First Occurrence	-
	Second Occurrence	\$ 50
	Third Occurrence	\$ 200
	Fourth and Fifth Occurrence	\$ 500

* 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.

**** Meter sizes larger than 2" will be based on time & materials, using the Field Service Work fee rates.

Fee Schedule Definitions

BILLING & MISCELLANEOUS:

Owner-Tenant/Management Billing Agreement: Per agreement. Property owner must sign agreement for CWD to send billing to tenant or property manager. Property owner is ultimately responsible for charges & payment as stated in the Billing & Collections Regulation.

Tenant/User-AB2747 Billing Agreement: Charged to new Tenant/User's account per agreement. Tenant/User under this agreement must agree to the terms and conditions of service, and meet the requirements of the District's rules and tariffs.

Overpayment Refund Request: For each overpayment refund request. This charge is deducted from the credit for the fees associated with processing the refund check as opposed to a credit on customer's billing account.

Customer Payment Processing Error: Processing fee for transfer of payment to correct account.

Meter Re-read/Re-inspection Fee: For customer generated re-read of meter at service address. This charge is per service address. If at any time a re-read is a District error, the account will not be charged a re-read fee.

Meter Final/Closing Read Fee: For request of a final/closing read of meter at service address. Charged per occurrence.

Meter Test Fee: For customer generated meter test. If at any time a meter is found to be reading inaccurately, the test fee will not be charged.

COLLECTIONS:

Payment Returns/Chargebacks: For each returned payment from the bank for reason such as; process errors, invalid account number, closed account, fraudulent transactions, or non-sufficient funds (NSF).

Past Due Fee: Charged when account balance is 60 days past due.

Door Hanger Notification (Disconnect Notice, Payment Returns, etc.): For processing each collection.

Shut Off/Disconnection/Reconnection: For processing each water service connection that is shut off, disconnected or reconnected from/to service.

Lien/Lien Release: For each Lien or Release processed.

Lien Interest Fees: For each month per Liened Amount.

FIELD SERVICE WORK BY DISTRICT STAFF

Customer Assistance: The District will provide assistance to customers for the temporary shut off of water service for private repairs. The fees/rates listed will be used when billing for work performed by District staff according to the property classification. This fee is also assessed to a customer when the District must clear a customer's water meter service box of landscape material and/or debris if work had not been completed by the customer within a specified time period. Customer will be charged the greater of one hour or the actual time to clear the meter service box.

Emergency Work: The District will provide emergency response and assistance including but not limited to damage to District facilities. Work will be performed by

Fee Schedule Definitions- Continued

District staff using District owned equipment. If equipment other than District owned equipment is needed to facilitate repairs or replacements, the Contractor/Developer or Responsible Party will be liable for the actual rental cost in addition to the District's fees. Materials obtained or provided by the District shall be billed at cost plus 15% administrative fees. The fees/rates listed will be used when billing for work performed by District staff.

Tamper Fee: Cost associated with tampering, removal, or intentional damage to District facilities. Work will be performed by District staff using District owned equipment. If equipment other than District owned equipment is needed to facilitate repairs or replacements, the Contractor/Developer or Responsible Party will be liable for the actual rental cost in addition to the District's fees. Materials obtained or provided by CWD shall be billed at cost plus 15% administrative fees. The fees/rates will be used when billing for work performed by District staff. Additional collection fees may be applicable.

Denial of Access Fee: This fee is intended to assist the District in enforcing access for the proper operation and maintenance of its system, to enforce disconnection of service for non-payment for services received, and for the protection of public health. Additional fees may be applicable per the Fee Schedule and could include cost associated with animal control and law enforcement assistance.

Meter Downsize: For each downsize of a connection. This downsize opportunity is available to the first 100 connections that request the meter downsize during the fiscal year. Property owner must sign agreement with District to downsize and must agree to the terms and conditions of service.

Meter Upsize: For each upsize of a connection whether due to need, or if unsatisfied with downsize. Property owner must sign agreement with District to upsize and must agree to the terms & conditions of service.

Temporary Maintenance Shut/Lock Off (fire or demolition): For each water service shut/locked off from District due to fire or demolition. Must provide proof of uninhabitability from County. Account balance must be paid in full along with associated fees and charges.

Permanent Disconnection (vacant lot): For each water service fully disconnected from District due to property being a vacant lot. Account balance must be paid in full along with associated fees and charges.

FIRE Hydrant PERMIT, Meter Deposits, Rental, and Use Charges

Fire hydrants shall be used only by public fire protection agencies, District staff or other persons authorized by the District. The District shall permit water use provided through fire hydrants for construction, street cleaning and/or storm drain cleaning only by permit and only with use of an authorized Meter and Backflow Prevention Assembly.

Use of hydrant requires completion of permit, payment of fees, and signed agreement to comply with all permit conditions.

Fee Schedule Definitions- Continued

Rates: Hydrant service charge and consumptive charges are based on the current metered water rate schedule. See the Fiscal Year Water Rate Schedule for applicable service charge and consumptive rates.

Unauthorized Use: The District has the right to immediately terminate any unpermitted or other unauthorized use of a fire hydrant and no further use will be authorized except if permitted by the District. A permit for use of a fire hydrant may be revoked at any time at the discretion of the District.

BACKFLOW

Annual Test: The District will provide an annual backflow test to customers as per Carmichael Water District's Cross- Connection Control Program. Testing may require the District to have access to locked facilities. If access is not obtained or the customer is non-responsive, additional fees may apply. The fee per test is based on administrative and testing costs incurred. The same fee will be assessed regardless of the assembly size.

Repair: When it is determined that a backflow protection assembly has failed the annual test, the customer will be notified in writing and given 30 days to repair or replace the assembly. The customer is responsible for all necessary repairs, including replacement of the assembly. By the end of the 30 day period, the assembly must be retested to ensure the assembly is returned to proper operating condition.

Retest: When the assembly has been repaired or replaced the customer will notify the District to retest the assembly. The District will provide one re-test at no additional charge to the customer.

Failure to Respond, Repair or Replace: If the compliance date has passed without response, repair or replacement of the failed assembly, the District will begin the standard water shut off process with applicable fees (48 hour Notification, Disconnection, Reconnection – see Collections section).

NEW CONSTRUCTION SERVICES

The District will provide inspections for owner/developer initiated installation and connection of water services, water mains and fire hydrants. Invoiced Inspection and Plan Check/Fire Flow Fees shall remain valid for a period of twelve (12) months from invoice date. If fees are not paid within the twelve (12) month timeframe, the District has the right to recalculate the fees to include any applicable increase/decrease. If fees have been paid but construction has not been completed within the twelve (12) month timeframe, the District has the right to recalculate the fees to include any applicable increase/decrease. All fees are due prior to project approval.

Inspection: The fees/rates listed in this section shall be used when billing for inspections performed by District staff.

Plan Check/Fire Flow Fees: The District will provide Plan Check and Fire Flow Analysis for new construction and remodel projects. Minimum Plan Check and Fire Flow Analysis Fees shall be paid in advance. All fees must be paid before final plan

Fee Schedule Definitions- Continued

approval and signature by the District. Developments that require District review and approval shall be charged at the inspection fee rate, subject to the following minimums.

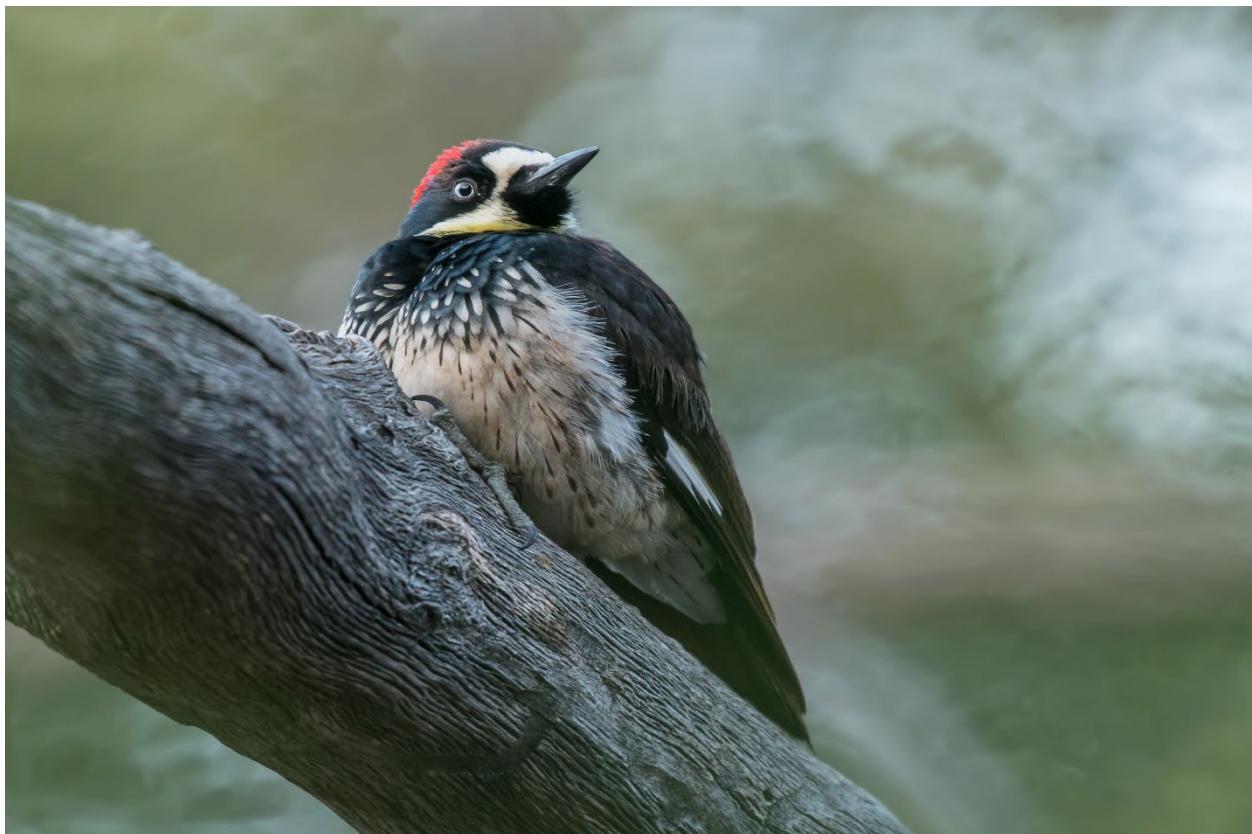
Capital Facilities Fees: The capital facilities fee (CFF) is a capacity charge related to capacity in the water system, including supply, treatment, storage, and distribution and charged for connecting a new service to the water system. The capital facilities fees are based on the 2015 Business Plan and Water Rate Study by The Reed Group, Inc. (including an annual cost of living adjustment) and were calculated based on the system buy-in methodology whereby the fee represents a proportionate share of the current value of water system capacity.

Note: The CFF is calculated as of the date that the CFF is paid and is valid for a period of twelve (12) months from date of payment. If, for any reason, the connection is not made and service commenced within twelve (12) months from the date of payment, the District has the right to recalculate the CFF and, if an increase results from such recalculation, such increased CFF shall be due and payable before connection is made or service is commenced, whichever is the earlier to occur. Once the CFF is paid, provided it has not expired as described above, the CFF apply only to, and stay with the legal parcel for which it was paid, and therefore cannot be applied to any other parcel or property and will not be refunded.

Meter Installation: Applies to each new residential and commercial connection requiring a new meter installation.

WATER CONSERVATION VIOLATION

Assessed by violation for failure to correct or eliminate water waste conditions.



Financial Summaries

Budget in Brief

Annual budgets are developed with estimates to project revenue, operations and maintenance expenses, and capital spending for a new fiscal year. To develop those estimates and projections, certain assumptions, known transactions, and other items of financial interest are taken into consideration to develop an all-encompassing financial road map that will drive the District's financial goals for the upcoming fiscal year. The following listing provides the assumptions, highlights and changes from the prior budget year that were used for the development of the budget for the upcoming fiscal year 2025-26 (July 1, 2025 to June 30, 2026):

Revenue

- 0% Water rate increase for January 2026. The budget includes the last six months of the January 1, 2025 9.5% rate increase.
- Water sales revenue is estimated conservatively to reflect a very slight uptick in demand over last year. Demand for water has been trending upward from prior years as water supplies stabilized and recovered from the multi-year drought.
- Water sales revenue, then, is projected to increase over last year by almost \$1.7M with the combined effects of the last rate increase and the increase in demand.
- A rate study is underway to evaluate the costs of service and required revenue needs for consideration of rates beginning January 1, 2026.
- Grant and ARTESIAN funding from last year roll over and increase by \$2.5M for a total of \$10.3M to support the construction of the multiple ASR Wells.

Operations and maintenance (O&M) expenditures

- O&M expenses reflect generalized inflationary increases ranging from 3% up to 20% depending on the type of expense. Insurance, software, power, utilities, and maintenance repairs, as examples, have all increased.
- Labor costs include the 3% Board approved COLA increase effective July 1, 2025.
- Staffing has been increased by one (1) position to add another Senior Accountant to the Finance Division.
- Audit costs are expected to increase to accommodate mandated Federal Single Audits for receipt of federal grant funds.

Capital expenditures

- Administration - LED Lighting project for Admin and the Warehouse
- Distribution - Claremont Pipeline rolls from prior year and Fair Oaks/California Pipeline Replacement is advanced to FY 2026 due to Sacramento County paving schedule
- Production – Continuation of ASR Wells construction, Garfield Well Generator and electrical upgrade, and SCADA upgrade.
- Collector 2 Rehab and Garfield ASR Well #4 projects begin
- La Vista Tank and Pump Station, funded by 2019 COP Bonds continue.

Budget in Brief (Continued)

0% 2026 Water rate increase - Last was effective January 1, 2025 (9.5%) Final budget includes the second half of the Jan 1, 2025 rate increase for the period July to December 2025		
Revenue	Final budget	% of revenue
Water revenue	19,550,500	61.22%
Outside boundary sales	1,452,476	4.55%
Miscellaneous and other income	182,500	0.57%
Grant/VA revenue	10,300,000	32.25%
Investment income	400,000	1.25%
Facilities fees	50,000	0.16%
Total revenue	31,935,476	100.00%
Less: Expenditures		
Labor costs (3% COLA effective 7-1-25)	4,715,423	14.77%
Services and supplies	5,436,831	17.02%
Total O&M	10,152,254	31.79%
CIP Rate funded	9,033,000	28.29%
CIP Reserve funded	400,000	1.25%
CIP Grant/VA funded	10,250,000	32.10%
Total CIP	19,683,000	61.63%
Debt service (Principal and interest)	2,491,566	7.80%
Total expenditures	(32,326,820)	101.23%
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		
Board designated/Undesignated reserves	-	0.00%
Total designated use of reserve funds	-	0.00%
Budget surplus/(deficit)	(2,291,344)	-7.17%

Budget Summary

FINAL BUDGET 2025-2026

Includes NO water rate increases

	2024-2025 Amended Budget	2024-2025 YTD actuals thru 2-28-25	2025-26 Final 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	1,452,476	476	0.03%
Total Outside boundary sales	1,452,000	682,490	1,452,476	476	0.03%
Facility fees	50,000	-	50,000	-	0.00%
Total Revenue	27,762,450	13,889,528	31,935,476	4,173,026	15.03%
EXPENDITURES					
O & M					
Administration (Plus (1) Senior Accountant)	3,959,749	2,048,157	4,345,270	385,521	9.74%
Production	3,588,694	2,107,955	3,840,196	251,502	7.01%
Distribution (Plus (1) Distribution Operator)	2,142,178	937,757	1,966,788	(175,390)	-8.19%
Total O&M	9,690,621	5,093,869	10,152,254	461,633	4.76%
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	616,500	283,992	670,000	53,500	8.68%
Distribution	3,220,000	537,216	6,188,000	2,968,000	92.17%
Total Capital funded by rates/grants	13,468,200	3,760,478	19,283,000	5,814,800	43.17%
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)	-	-	188,502	-100.00%
Facility fees	50,000	-	50,000	-	0.00%
Ranney Collector reserve - Accumulates in reserves	500,000	-	500,000	-	0.00%
Total reserve funding/(uses)	1,211,498	-	1,400,000	188,502	15.56%
Total expenditures, debt service, reserve funding/(uses)	27,762,450	11,214,592	34,226,820	6,464,370	23.28%
Budget surplus/(deficit)	\$ -	\$ 2,674,936	\$ (2,291,344)	\$ (2,291,344)	0.00%
Bond funded CIP	\$ 4,000,000	\$ 1,536,753	\$ 2,500,000	\$ (1,500,000)	-37.50%

Fund Balance Held in Reserve

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.

CARMICHAEL WATER DISTRICT RESERVE SUMMARY FY 2025-26

Reserve Category	Amended Budget Projected Year End Balance FY 2024-25	FY 2025-26 Funding of reserves	FY 2025-26 (Use of reserves)	Interest income	Projected Year End Balance FY 2025-26
<u>Minimum unrestricted reserves:</u>					
Operating reserve	\$ 6,291,376	\$ 230,534	\$ -	\$ -	\$ 6,521,910 ¹
<u>Board designated reserves</u>					
Capital replacement	13,775,213	5,814,800	390,925	19,980,938 ²	
Use of capital reserves	(188,502)	188,502	(2,291,344)	-	(2,291,344) ³
Membrane replacement	309,547	200,000	- 8,906	518,453 ⁴	
Filter skid replacement	2,703,328	650,000	77,782	3,431,110 ⁵	
Ranney Collector Rehab/Replace	500,000	500,000	14,386	1,014,386 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 Designated reserves per policy	\$ 24,129,125	\$ 7,833,836	\$ (2,491,344)	\$ 492,167	\$ 29,963,784
<u>Unrestricted reserves:</u>					
Total projected reserves	\$ 1,925,622	(7,833,836)	2,491,344	(492,167)	(3,909,037) ¹⁰
<u>Legally restricted reserves</u>					
Unspent bond proceeds 2019 COP Series A	3,501,580	(3,501,580)	-	-	-
State Capital grant funds received in advance	2,500,000	-	-	-	2,500,000 ¹¹
	6,001,580	(3,501,580)	-	-	2,500,000
<u>Other legally restricted reserves held in trust:</u>					
OPEB Reserve (CalPERS as trustee)	3,684,153	200,000	-	150,000	4,034,153 ¹²

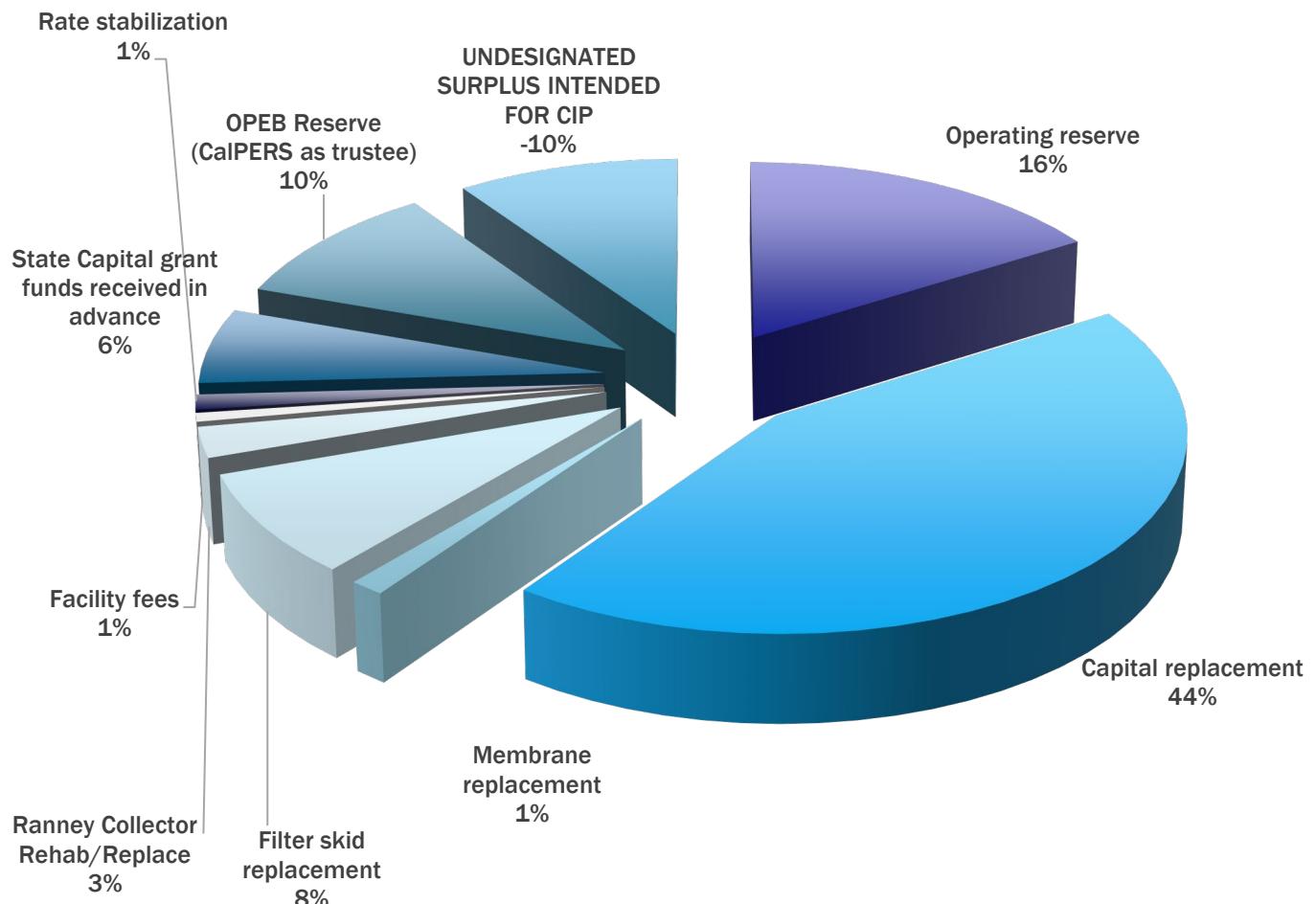
Footnote references:

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.

Footnote references, continued:

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 #9610.331 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. Negative balance indicates designations in excess of cash balances.
11. State funds received in advance for Winding Way
12. Board policy #9610.332: Annual funding until the OPEB (Retiree benefits) liability is fully funded, currently targeted at \$5,263,853 as of 6-30-23 per actuarial valuation. The trust is subject to market changes in value from the underlying investments in the trust pool.

Projected Reserves Year End Balance FY 2025-26



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Long Term Forecast, Available Funds, Use of Funds and Fund Balance

Long Term Forecast

	2024-2025 Amended Budget	2024-2025 YTD Actuals 2-28-25	2025-26 Final budget	2026-27 Estimated	2027-28 Estimated	2028-29 Estimated
Cash and cash equivalents	\$ 28,554,747	\$ 28,464,255	\$ 28,554,747	\$ 26,263,403	\$ 24,361,626	\$ 23,658,182
District revenue						
Water sales	17,820,000	12,487,634	19,480,000	20,064,400	20,666,332	21,286,322
Water Service fees and charges	80,000	37,197	70,500	72,615	74,793	77,037
Other service fees	134,000	104,329	149,000	153,470	158,074	162,816
Grant revenue	7,750,000	253,069	10,300,000	7,300,000	-	-
Interest income	400,000	274,940	400,000	412,000	424,360	437,091
Miscellaneous income	76,450	49,869	33,500	33,835	34,173	34,515
Total District revenue	26,260,450	13,207,038	30,433,000	28,036,320	21,357,733	21,997,781
Outside boundary sales						
GSWC Treatment and delivery	1,452,000	682,490	1,452,476	1,496,050	1,540,932	1,587,160
Total Outside Boundary Sales	1,452,000	682,490	1,452,476	1,496,050	1,540,932	1,587,160
Facility fees	50,000	-	50,000	50,000	50,000	50,000
Total Revenue	27,762,450	13,889,528	31,935,476	29,532,370	22,898,665	23,584,941
EXPENDITURES						
O & M						
Administration	3,959,749	2,048,157	4,345,270	4,475,628	4,609,897	4,748,194
Production	3,588,694	2,107,955	3,840,196	3,955,402	4,074,064	4,196,286
Distribution	2,142,178	937,757	1,966,788	2,025,791	2,086,565	2,149,162
Total O&M	9,690,621	5,093,869	10,152,254	10,456,821	10,770,526	11,093,642
Capital						
Capital funded by rates						
Administrative services	110,000	38,701	50,000	200,000	650,000	400,000
Production - Wells (Includes grant funded projects)	9,521,700	2,900,569	12,375,000	8,250,000	3,000,000	-
Production - WTP	616,500	283,992	670,000	1,673,000	1,150,000	4,000,000
Distribution	3,220,000	537,216	6,188,000	6,066,540	3,245,636	3,905,305
Total Capital funded by rates	13,468,200	3,760,478	19,283,000	16,189,540	8,045,636	8,305,305
Capital funded by reserves						
Membrane replacement (Unused goes to reserves)	200,000	177,405	200,000	200,000	200,000	200,000
Sacramento County Impact projects	200,000	6,420	200,000	200,000	200,000	200,000
Total Capital funded by reserves	400,000	183,825	400,000	400,000	400,000	400,000
Debt service, Other sources/uses of funds						
Series A/B Principal (CIP Projects/2010 Refi)	1,545,000	1,545,000	1,580,000	1,615,000	1,655,000	1,700,000
COP bond interest	947,131	631,420	911,566	872,786	830,946	786,252
PERS Unfunded actuarial liability	300,000	-	300,000	300,000	300,000	300,000
OPEB Liability funding	200,000	-	200,000	200,000	200,000	200,000
Total debt service, other fund sources/uses	2,992,131	2,176,420	2,991,566	2,987,786	2,985,946	2,986,252
Reserve funding/(Uses)						
Filter skid replacement	650,000	-	650,000	650,000	650,000	650,000
Ranney Collector	500,000	-	500,000	500,000	500,000	500,000
Membrane replacement	200,000	-	200,000	200,000	200,000	200,000
Facility fees	50,000	-	50,000	50,000	50,000	50,000
Capital replacement reserves	(188,502)	-	-	-	-	-
Total reserve funding/(uses)	1,211,498	-	1,400,000	1,400,000	1,400,000	1,400,000
Total expenditures, debt service, reserve funding/(uses)	27,762,450	11,214,592	34,226,820	31,434,147	23,602,109	24,185,199
Change in Working Capital-Excess (Deficiency)						
Operating cash	\$ -	\$ 2,674,936	\$ (2,291,344)	\$ (1,901,777)	\$ (703,444)	\$ (600,258)
Less: Board designated reserves (Without int inc Yrs 2-10)	\$ 28,554,747	\$ 31,139,191	\$ 26,263,403	\$ 24,361,626	\$ 23,658,182	\$ 23,057,924
Operating reserve	6,291,376	6,291,376	6,521,910	6,472,304	6,628,236	6,789,947
Capital reserves	13,586,711	13,586,711	19,980,938	16,189,540	8,045,636	8,305,305
Membrane reserves	309,547	309,547	518,453	718,453	918,453	1,118,453
Filter Skid replacement	2,703,328	2,703,328	3,431,110	4,081,110	4,731,110	5,381,110
Ranney Collector Rehab/replacement	500,000	500,000	1,014,386	1,514,386	2,014,386	2,514,386
Facility fees	238,163	238,163	288,330	338,330	388,330	438,330
Sacramento County impact projects	-	-	-	-	-	-
Rate stabilization	500,000	500,000	500,000	500,000	500,000	500,000
Total designated reserves (Per reserve Forecast)	24,129,125	24,129,125	32,255,128	29,814,123	23,226,152	25,047,532
Undesignated surplus for future CIP	\$ 4,425,622	\$ 7,010,066	\$ (5,991,725)	\$ (5,452,497)	\$ 432,031	\$ (1,989,607)

DEBT SERVICE COVERAGE

Bond funded CIP	4,000,000	2,147,753	-	-	-	-
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*Includes original budget and amendments approved by the Board through 3-31-25

Long Term Forecast (Continued)

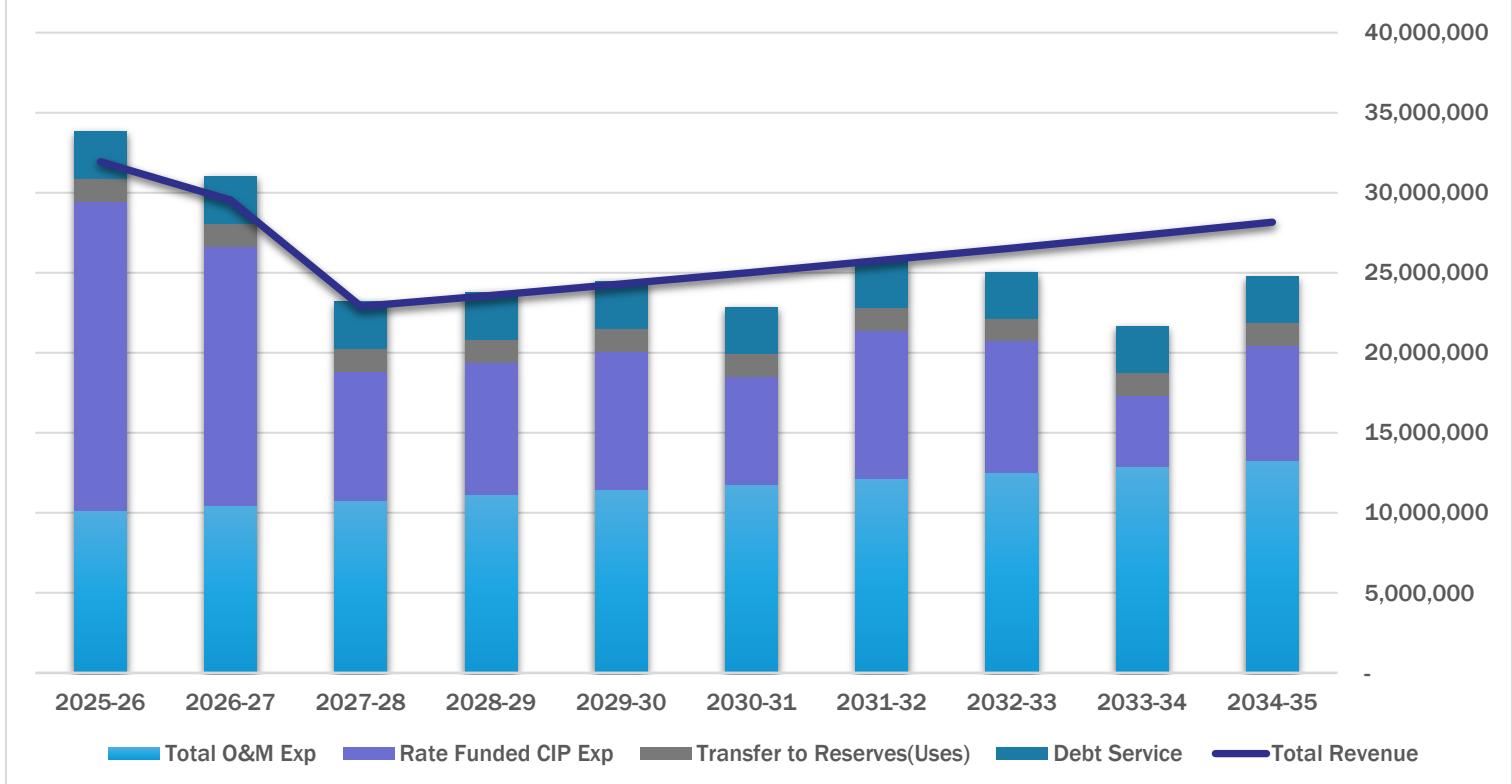
	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated
	\$ 23,057,924	\$ 22,478,210	\$ 24,240,540	\$ 23,882,941	\$ 24,981,166	\$ 30,241,405
Cash and cash equivalents						
District revenue						
Water sales	21,924,912	22,582,659	23,260,139	23,957,943	24,676,681	25,416,982
Water Service fees and charges	79,348	81,729	84,181	86,706	89,307	91,987
Other service fees	167,701	172,732	177,914	183,251	188,749	194,411
Grant revenue	-	-	-	-	-	-
Interest income	450,204	463,710	477,621	491,950	506,708	521,909
Miscellaneous income	34,860	35,209	35,561	35,917	36,276	36,638
Total District revenue	22,657,025	23,336,038	24,035,415	24,755,766	25,497,721	26,261,927
Outside boundary sales						
GSWC Treatment and delivery	1,634,775	1,683,818	1,734,332	1,786,362	1,839,953	1,895,152
Total Outside Boundary Sales	1,634,775	1,683,818	1,734,332	1,786,362	1,839,953	1,895,152
Facility fees	50,000	50,000	50,000	50,000	50,000	50,000
Total Revenue	24,291,799	25,019,856	25,769,747	26,542,129	27,337,674	28,157,079
EXPENDITURES						
O & M						
Administration	4,890,640	5,037,359	5,188,480	5,344,134	5,504,458	5,669,592
Production	4,322,174	4,451,840	4,585,395	4,722,957	4,864,645	5,010,585
Distribution	2,213,637	2,280,046	2,348,447	2,418,901	2,491,468	2,566,212
Total O&M	11,426,451	11,769,245	12,122,322	12,485,992	12,860,571	13,246,389
Capital						
Capital funded by rates						
Administrative services	60,000	-	-	-	40,000	-
Production - Wells (Includes grant funded projects)	360,000	-	-	-	200,000	3,000,000
Production - WTP	4,155,000	2,170,000	5,155,000	4,000,000	75,000	-
Distribution	4,085,564	4,596,431	4,127,924	4,240,062	4,172,864	4,196,350
Total Capital funded by rates	8,660,564	6,766,431	9,282,924	8,240,062	4,487,864	7,196,350
Capital funded by reserves						
Membrane replacement (Unused goes to reserves)	200,000	200,000	200,000	200,000	200,000	200,000
Sacramento County Impact projects	200,000	200,000	200,000	200,000	200,000	200,000
Total Capital funded by reserves	400,000	400,000	400,000	400,000	400,000	400,000
Debt service, Other sources/uses of funds						
Series A/B Principal (CIP Projects/2010 Refi)	1,745,000	1,750,000	1,840,000	1,930,000	2,030,000	2,110,000
COP bond interest	739,498	671,850	582,100	487,850	399,000	316,200
PERS Unfunded actuarial liability	300,000	300,000	300,000	300,000	300,000	300,000
OPEB Liability funding	200,000	200,000	200,000	200,000	200,000	200,000
Total debt service, other fund sources/uses	2,984,498	2,921,850	2,922,100	2,917,850	2,929,000	2,926,200
Reserve funding/(Uses)						
Filter skid replacement	650,000	650,000	650,000	650,000	650,000	650,000
Ranney Collector	500,000	500,000	500,000	500,000	500,000	500,000
Membrane replacement	200,000	200,000	200,000	200,000	200,000	200,000
Facility fees	50,000	50,000	50,000	50,000	50,000	50,000
Capital replacement reserves	-	-	-	-	-	-
Total reserve funding/(uses)	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000	1,400,000
Total expenditures, debt service, reserve funding/	24,871,513	23,257,526	26,127,346	25,443,904	22,077,435	25,168,938
Change in Working Capital-Excess (Deficiency)	\$ (579,714)	\$ 1,762,330	\$ (357,599)	\$ 1,098,225	\$ 5,260,239	\$ 2,988,140
Operating cash	\$ 22,478,210	\$ 24,240,540	\$ 23,882,941	\$ 24,981,166	\$ 30,241,405	\$ 33,229,545
Less Board designated reserves (Without int inc Yrs 2-10)						
Operating reserve	6,955,474	7,095,547	7,272,211	7,451,921	7,644,786	7,836,294
Capital reserves	8,660,564	6,766,431	9,282,924	8,240,062	4,487,864	7,196,350
Membrane reserves	1,318,453	1,518,453	1,718,453	1,918,453	2,118,453	2,318,453
Filter Skid replacement	6,031,110	6,681,110	7,331,110	7,981,110	8,631,110	9,281,110
Ranney Collector Rehab/replacement	3,014,386	3,514,386	4,014,386	4,514,386	5,014,386	5,514,386
Facility fees	488,330	538,330	588,330	638,330	688,330	738,330
Sacramento County impact projects	-	-	-	-	-	-
Rate stabilization	500,000	500,000	500,000	500,000	500,000	500,000
Total designated reserves (Per reserve Forecast)	26,968,318	26,614,258	30,707,415	31,244,262	29,084,929	33,384,923
Undesignated surplus for future CIP	\$ (4,490,108)	\$ (2,373,718)	\$ (6,824,474)	\$ (6,263,096)	\$ 1,156,476	\$ (155,378)

DEBT SERVICE COVERAGE

Bond funded CIP

*Includes original budget and amendments approved by the Board through 3-31-25

Long Term Forecast



Revenues

The District provides domestic water to an estimated service area population of 41,000 customers via approximately 11,947 water service connections in the Carmichael Water District service area.

The majority of the District's revenue comes from the water sales billed monthly to District customers.

GL account number	Account description	2024-25 Amended budget	2024-25 Year To Date Actuals 2/28/25	2025-26 Final budget	\$ Budget Increase/(Decrease)	% Budget Increase/(Decrease)
REVENUE						
<i>Water sales</i>						
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%
<i>Water service fees and charges</i>						
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%
<i>Other service fees</i>						
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%
<i>Grant revenue</i>						
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%
<i>Interest income</i>						
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%
<i>Miscellaneous revenue</i>						
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 sold)	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%
<i>Outside boundary sales</i>						
10-040100-06	Treatment and delivery for GSWC	1,452,000	682,490	1,452,476	476	0.03%
	Total outside boundary sales	1,452,000	682,490	1,452,476	476	0.03%
<i>Facilities fees</i>						
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	31,935,476	4,173,026	15.03%

In 2020, the District hired Hildebrand Consulting, LLC to complete a Business Plan, Water Rate, and Impact Fee Study (Study). The Study recommends annual water rate adjustments of 9.5% for each of the five years 2021 through 2025 in order to meet the funding requirements of the District. Capital Facilities, Plan Check, and Fire Flow Analysis Fee adjustments were also included in the Study. The Board approved the Study on December 15, 2020.

Below are the descriptions of each type of primary revenue:

Water Sales



The water sales revenue is based on the 2020 Business Plan projections and restructured water rates effective January 1, 2021 through December 31, 2025. The FY 2025-2026 water sales revenue incorporates the increased revenue associated with implementation of the 9.5% rate adjustment, effective January 1, 2025 through December 31, 2025.

Other Service Fees



Service fees are collected for additional charges outside of current rates to cover administrative costs, fire hydrant usage, plan check fees / fire flow and construction improvement standards fees. Fire hydrant use charges are the fees associated with construction water drawn from a hydrant and Sacramento County usage of hydrant water for sewer/storm drain clean out. Plan check fees are the fees collected for review of the plans by District staff for any/all construction within the District service area.

Interest Income



The interest income is the interest earned on the District's various surplus and reserve investment accounts held in LAIF, investment pools, money market interest or checking accounts. The COP 2019 Project Fund Interest has been the largest contributor to the District's interest income but is anticipated to decrease as the funds are used to pay for projects in construction. Accumulated reserve funds in anticipation of long-term construction projects have been invested and will provide the largest contribution of interest this budget year.

Miscellaneous Revenue



Miscellaneous revenue includes the fees associated with pipeline repair for damage caused by outside contractors and invoiced by the District for associated repair costs. It also includes other additional miscellaneous revenue such as recycling, reimbursement of water quality testing by L3Harris (Aerojet).



Facilities Fees

The facility fees are the fees collected per each unit of construction within the District and used for capacity development.



Outside Boundary Sales and Revenue

Golden State Water Company

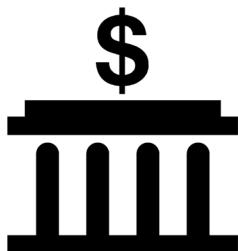
The District negotiated to sell 4.5 MGD or 5000 AF of capacity rights to Golden State Water Company (GSWC). Aerojet Rocketdyne, now L3Harris, purchased the capacity for GSWC due to the loss of groundwater supply from contamination.

The second portion of the agreement with GSWC for operational expense reimbursement includes: (a) the cost to treat the 4.5 MGD that is being delivered to GSWC through the American River Pipeline Project which was funded by Aerojet (L3Harris); and (b) GSWC's portion (based on 20.5% capacity purchased) of the annual capital improvements to the Bajamont Water Treatment Plant, intake structures, and membrane replacements.



ARTESIAN Agreement

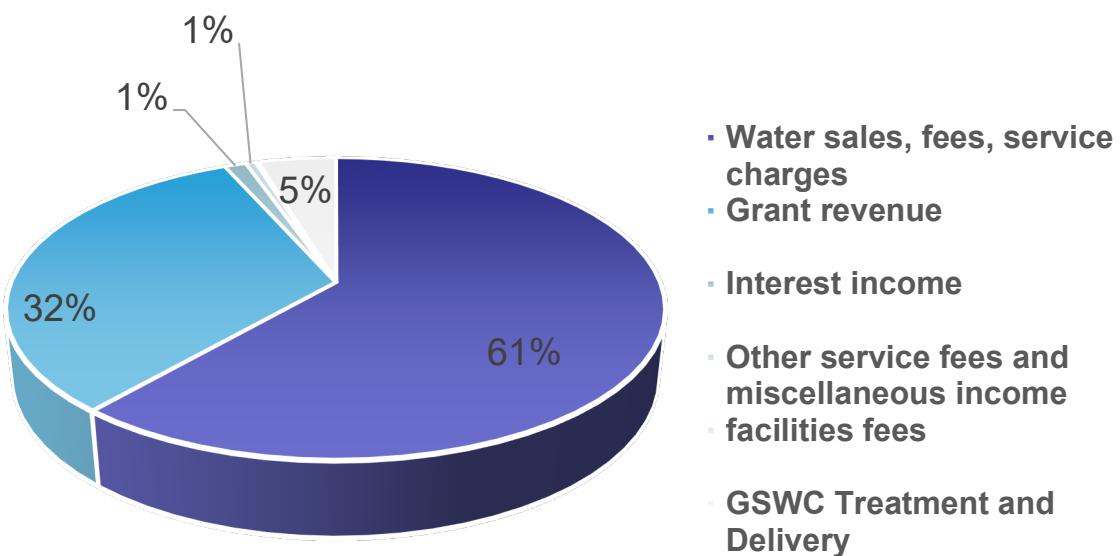
The District is participating with members and contracting agencies of the Regional Water Agency (RWA) to create the American River Terms for Ecosystem Support and Infrastructure Assistance Needs (ARTESIAN) Project for early implementation of the American River region's 2019 Voluntary Agreement proposal. Under this agreement, the District will receive funding for designated CIP projects in exchange for reduced surface water flows from the American River.



Grant Revenue

The District was awarded the Bureau of Reclamation funding for the WaterSMART Drought Response Program's Drought Resiliency Projects (DRP). This funding opportunity supports the implementation of drought mitigation projects that will build long-term resilience to drought. Additionally, the District was awarded funds from the California Department of Water Resources Drought Relief Grant Program, Turf Replacement Grant and RWA Advancing Water Efficiency Grant.

Revenue Sources



Debt and Long Term Funding

The District is continuing to maintain its long term funding plans this budget year in accordance with Board Policy # 9610 – Reserves. Accordingly, this year's budget provides for the annual funding of the capital fund reserves that includes funding for the membrane replacement fund, the filter skid replacement and Ranney Collector reserve and Sacramento County impact projects. Annual reserve contributions for the District's long-term obligations, also named in the Reserve policy, have been provided for in this budget with scheduled additional contributions to the OPEB liability trust fund and PERS Unfunded Actuarial Liability fund. Levels of funding requirements were considered and included in the 2020 Business Plan and Rate Study.

	2024-25	2024-25	2025-26		
Debt and Long Term Funding Liabilities	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
2019 Series A/B Interest	947,131	631,420	911,566	(35,565)	-4%
2019 Series B Principal	1,545,000	1,545,000	1,580,000	35,000	2%
Membrane Replacement	200,000	177,405	200,000	-	0%
Sacramento County Impact projects	200,000	6,420	200,000	-	0%
Filter Skid	650,000	-	650,000	-	0%
Ranney Collector	500,000	-	500,000	-	0%
PERS unfunded Actuarial Liability	300,000	-	300,000	-	0%
OPEB Liability	200,000	-	200,000	-	0%
Total	4,542,131	2,360,245	4,541,566	(565)	0%

2019 COP Debt information and Payment Schedule

In November 2019 the Carmichael Water District Financing Corporation issued the 2019 Water Revenue Certificates of Participation Series A (Series A Certificates) to finance the acquisition and construction of certain water storage, pumping, treatment, transmission and appurtenant facilities for the water supply and treatment and distribution system of the District; and to pay certain costs incurred in connection with the execution and delivery of the Series A Certificates, including an original issue premium of \$3,667,968, which is being amortized over the life of the Series A Certificates.

In November 2019, the Carmichael Water District Financing Corporation issued the 2019 Water Revenue Refunding Certificates of Participation Series B (Series B Certificates) to refund and defease the 2010 Water Revenue Refunding Certificates of Participation, and to pay certain costs incurred in connection with the execution and delivery of the Series B Certificates.

S&P Global Ratings assigned a municipal bond rating of "AA" to the certificates.

The payment schedule is as follows:

Installment payment schedule		Series A (Project account)				Series B (Refunding)			
Month - Due on	Year	Principal	Interest	Fiscal year Total	Principal balance due	Principal	Interest	Fiscal year Total	Principal balance due
Novembe	2025	357,800				1,580,000	107,372		
May	2026	357,800		715,600	16,510,000	1,615,000	88,594	1,775,966	6,715,000
Novembe	2026	357,800				1,655,000	88,594		
May	2027	357,800		715,600	16,510,000	1,700,000	68,592	1,772,186	5,100,000
Novembe	2027	357,800				1,745,000	46,754	1,770,346	3,445,000
May	2028	357,800		715,600	16,510,000	1,700,000	23,898	1,770,652	1,745,000
Novembe	2028	357,800				1,745,000	23,898	1,768,898	-
May	2029	357,800		715,600	16,510,000				
Novembe	2029	357,800							
May	2030	357,800		715,600	16,510,000				
Novembe	2030	1,750,000	357,800						
May	2031	314,050		2,421,850	14,760,000				
Novembe	2031	1,840,000	314,050						
May	2032	268,050		2,422,100	12,920,000				
Novembe	2032	1,930,000	268,050						
May	2033	219,800		2,417,850	10,990,000				
Novembe	2033	2,030,000	219,800						
May	2034	179,200		2,429,000	8,960,000				
Novembe	2034	2,110,000	179,200						
May	2035	137,000		2,426,200	6,850,000				
Novembe	2035	2,195,000	137,000						
May	2036	93,100		2,425,100	4,655,000				
Novembe	2036	2,280,000	93,100						
May	2037	47,500		2,420,600	2,375,000				
Novembe	2037	2,375,000	47,500	2,422,500	-				
TOTAL DUE		16,510,000	6,453,200	22,963,200		8,295,000	563,048	8,858,048	

2019 COP Debt information and Payment Schedule, Continued

The Series A Certificates and the Series B Certificates are jointly secured on a parity basis by the pledge of the revenues of the District's water system and certain funds and accounts created under the installment sale agreement and will be paid from said revenues and said funds and accounts without preference or priority with respect to one another. The obligation of the District to make such installment payments is a special obligation of the District payable solely from net revenues of the District's water system and said funds and accounts. The Installment Sale Agreement will require the District to fix, prescribe and collect rates fees and charges and manage the operation of the water system for each fiscal year so as to yield net revenues during such fiscal year equal to at least 120% of the annual debt service in such fiscal year ("Coverage ratio").

The Coverage Ratio for the 2025-26 Budget year is estimated to be 4.61, far in excess of the 120% coverage ratio required.

DEBT SERVICE COVERAGE	
REVENUES:	
Water sales, fees and charges	19,699,500
Outside boundary sales	1,452,476
Miscellaneous, other revenue	483,500
TOTAL REVENUES	21,635,476
LESS OPERATIONS AND MAINTENANCE EXPENSES:	
Administration	4,345,270
Production	3,840,196
Distribution	1,966,788
TOTAL EXPENSES	10,152,254
NET REVENUE	11,483,222
DEBT SERVICE	2,491,566
MINIMUM REQUIRED SERVICE 120%	2,989,879
ESTIMATED COVERAGE	460.88%

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Departmental Information

Position Summary Schedule

The District is a service-oriented organization that provides a high quality sustainable water supply. This would not be possible without innovative, self-managed staff that has pride of ownership for their work product and who provides exceptional customer service.

The table below shows the number of FTE's for a five year period. For the fiscal year 2025-2026 Budget, one position in Accounting will be added and one position from Production will be moved back to Distribution. The Floating position is not funded this budget year and the District will retain the Retired Annuitant for another year.

Division	2021-22	2022-23	2023-24	2024-25	2025-26
Department	FTE	FTE	FTE	FTE	FTE
Administration	15	13	13	13	14
Office of the GM		1	1	1	1
Engineering/Technical services		2	4	4	4
Engineering/Public outreach and Water efficiency		2	1	1	1
Finance/Accounting - One position added FY 2025/26		3	3	3	4
Finance/Customer service (Billing)		3	3	3	3
Human resources		1	1	1	1
General admin/Information Technology (Note 1)		1	-	-	-
Distribution	9	7	7	7.5	8
Distribution Superintendent/Operators		7	7	7	8
Distribution: Succession planning (Note 2)			-	0.5	-
Production	6	7	7	6	6
Production Superintendent/Operators (Note 1/3)		7	7	6	6
Floating position (Note 1) (Formerly IT Coordinator)		1.0	0.5	-	0.5
Temporary Retired Annuitant position (Engineering)	-	-	0.5	0.5	0.5
TOTAL AUTHORIZED POSITIONS	30.0	28.0	28.0	27.0	29.0

Note 1: Board approved changes to Authorized Positions FY 2023-24:

8/15/2023 Board approved employment of Retired Annuitant by contract, not included in the permanent position count

10/17/2023 Board approved Public Information Officer Position reclass to an Engineering position

- Engineering Division Position Count increases by 1 to 4 and Water Efficiency decrease to 1 from 2

IT Coordinator - Authorized as a Floating Position FY 2023-24

One position in Production was not funded in FY 2023-24 and will be removed from authorized position list

Note 2: Board approved changes to Authorized Positions FY 2024-25:

7/1/2024 Succession planning for Distribution Superintendent position used for floating position - Temporary increase.

Update for FYE 2024-25: 1/1/25 Distribution Superintendent retired, Floating position used for Retired Annuitant

Note 3: Board pending approval for Authorized Positions FY 2025-26:

7/1/25 Production Operator transferred back to Distribution

Other notes:

For the years ending, 2017 - 2020, employee count was 29

Salary Schedule

** 2025-26 Salaries to be determined pending negotiations

Carmichael Water District

Salary Schedule

FY2024-25 (5% COLA Adjustment 7/1/24)

NON-REPRESENTED EMPLOYEES						
Non-Exempt		Step 1	Step 2	Step 3	Step 4	Step 5
Accountant	Hourly	36,2604	38,0734	39,9771	41,9760	44,0748
	Monthly	6,285.14	6,599.39	6,929.36	7,275.84	7,639.63
	Yearly	75,421.63	79,192.67	83,152.37	87,310.08	91,675.58
Accountant, Senior	Hourly	42,9430	45,0902	47,3447	49,7119	52,1975
	Monthly	7,443.45	7,815.64	8,206.42	8,616.73	9,047.57
	Yearly	89,321.44	93,787.62	98,476.98	103,400.75	108,570.80
Billing Support Trainee	Hourly	Min. Wage	N/A	N/A	N/A	N/A
Billing Support 1	Hourly	16,1088	16,9142	17,7599	18,6479	19,5803
	Monthly	2,792.19	2,931.80	3,078.38	3,232.30	3,393.92
	Yearly	33,506.30	35,181.54	36,940.59	38,787.63	40,727.02
Billing Support 2	Hourly	18,6925	19,6271	20,6085	21,6389	22,7208
	Monthly	3,240.03	3,402.03	3,572.14	3,750.74	3,938.27
	Yearly	38,880.40	40,824.37	42,865.68	45,008.91	47,259.26
Billing Specialist 1	Hourly	24,0979	25,3028	26,5679	27,8963	29,2911
	Monthly	4,176.97	4,385.82	4,605.10	4,835.36	5,077.12
	Yearly	50,123.63	52,629.82	55,261.23	58,024.30	60,925.49
Billing Specialist 2	Hourly	30,5681	32,0965	33,7013	35,3864	37,1557
	Monthly	5,298.47	5,563.39	5,841.56	6,133.64	6,440.32
	Yearly	63,581.65	66,760.72	70,098.70	73,603.71	77,283.86
Communications Specialist 1	Hourly	30,8226	32,3637	33,9819	35,6810	37,4651
	Monthly	5,342.58	5,609.71	5,890.20	6,184.71	6,493.95
	Yearly	64,111.01	67,316.50	70,682.35	74,216.48	77,927.41
Communications Specialist 2	Hourly	37,4765	39,3503	41,3178	43,3837	45,5529
	Monthly	6,495.93	6,820.72	7,161.75	7,519.84	7,895.84
	Yearly	77,951.12	81,848.62	85,941.02	90,238.10	94,750.03
Engineer in Training	Hourly	33,5062	35,1815	36,9406	38,7876	40,7270
	Monthly	5,807.74	6,098.13	6,403.04	6,723.18	7,059.35
	Yearly	69,692.90	73,177.52	76,836.45	80,678.21	84,712.16
Engineer, Assistant	Hourly	47,2411	49,6032	52,0834	54,6876	57,4220
	Monthly	8,188.46	8,597.89	9,027.79	9,479.18	9,953.15
	Yearly	98,261.49	103,174.66	108,333.47	113,750.21	119,437.76
Engineer, Associate Civil	Hourly	55,9437	58,7409	61,6779	64,7618	67,9999
	Monthly	9,696.91	10,181.76	10,690.84	11,225.38	11,786.65
	Yearly	116,362.90	122,181.07	128,290.03	134,704.54	141,439.79
General Office Clerk	Hourly	Min. Wage	N/A	N/A	N/A	N/A
GIS Specialist	Hourly	37,2849	39,1491	41,1066	43,1619	45,3200
	Monthly	6,462.72	6,785.84	7,125.14	7,481.40	7,855.47
	Yearly	77,552.59	81,430.13	85,501.73	89,776.75	94,265.60
Inventory Specialist 1	Hourly	23,9401	25,1371	26,3940	27,7137	29,0994
	Monthly	4,149.62	4,357.10	4,574.96	4,803.71	5,043.90
	Yearly	49,795.41	52,285.17	54,899.52	57,644.50	60,526.75
Inventory Specialist 2	Hourly	30,3154	31,8312	33,4228	35,0939	36,8486
	Monthly	5,254.67	5,517.41	5,793.29	6,082.94	6,387.09
	Yearly	63,056.03	66,208.90	69,519.42	72,995.31	76,645.09
Public Information Assistant 1	Hourly	18,8069	19,7472	20,7346	21,7713	22,8599
	Monthly	3,259.86	3,422.85	3,594.00	3,773.69	3,962.38
	Yearly	39,118.35	41,074.18	43,127.97	45,284.30	47,548.59
Public Information Assistant 2	Hourly	24,1002	25,3052	26,5705	27,8990	29,2940
	Monthly	4,177.37	4,386.24	4,605.55	4,835.83	5,077.63
	Yearly	50,128.42	52,634.82	55,266.64	58,029.92	60,931.52
Water Efficiency Specialist 1	Hourly	27,7290	29,1155	30,5713	32,0999	33,7049
	Monthly	4,806.36	5,046.69	5,299.03	5,563.98	5,842.18
	Yearly	57,676.32	60,560.24	63,588.30	66,767.79	70,106.19
Water Efficiency Specialist 2	Hourly	35,0664	36,8197	38,6607	40,5937	42,6234
	Monthly	6,078.18	6,382.08	6,701.19	7,036.24	7,388.06
	Yearly	72,938.11	76,584.98	80,414.26	84,434.90	88,656.67

Salary Schedule (Continued)

**2025-26 Salaries to be determined pending negotiations

NON-REPRESENTED EMPLOYEES									
Exempt		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Administrative Specialist 1	Hourly	36.3945	38.2142	40.1249	42.1311	44.2377			
	Monthly	6,308.38	6,623.80	6,954.98	7,302.72	7,667.87			
	Yearly	75,700.56	79,485.54	83,459.79	87,632.69	92,014.42			
Administrative Specialist 2	Hourly	44.7762	47.0150	49.3658	51.8341	54.4258			
	Monthly	7,761.21	8,149.27	8,556.74	8,984.58	9,433.81			
	Yearly	93,134.50	97,791.20	102,680.86	107,814.93	113,205.66			
Billing Supervisor	Hourly	37.6440	39.5262	41.5025	43.5776	45.7565	48.0443	50.4465	52.9688
	Monthly	6,524.96	6,851.21	7,193.77	7,553.45	7,931.13	8,327.68	8,744.06	9,181.26
	Yearly	78,299.52	82,214.50	86,325.20	90,641.41	95,173.52	99,932.14	104,928.72	110,175.10
Distribution Superintendent*	Hourly	57.5046	60.3798	63.3988	66.5687	69.8971	73.3920	77.0616	
	Monthly	9,967.46	10,465.83	10,989.13	11,538.58	12,115.50	12,721.28	13,357.34	
	Yearly	119,609.57	125,589.98	131,869.50	138,462.90	145,385.97	152,655.36	160,288.13	
Engineer, Manager	Hourly	83.1076	87.2630	91.6262	96.2075	101.0179			
	Monthly	14,405.32	15,125.59	15,881.88	16,675.97	17,509.77			
	Yearly	172,863.81	181,507.04	190,582.50	200,111.60	210,117.23			
Engineer, Senior	Hourly	64.9913	68.2409	71.6529	75.2355	78.9973			
	Monthly	11,265.16	11,828.42	12,419.84	13,040.82	13,692.87			
	Yearly	135,181.90	141,941.07	149,038.03	156,489.84	164,314.38			
Finance Manager	Hourly	73.2350	76.8968	80.7416	84.7787	89.0176			
	Monthly	12,694.07	13,328.78	13,995.21	14,694.98	15,429.72			
	Yearly	152,328.80	159,945.34	167,942.53	176,339.70	185,156.61			
I.T. Coordinator	Hourly	49.0859	51.5402	54.1172	56.8231	59.6643			
	Monthly	8,508.22	8,933.64	9,380.32	9,849.34	10,341.81			
	Yearly	102,098.67	107,203.62	112,563.78	118,192.05	124,101.74			
Production Superintendent	Hourly	65.0570	68.3099	71.7254	75.3117	79.0773			
	Monthly	11,276.55	11,840.38	12,432.40	13,054.03	13,706.73			
	Yearly	135,318.56	142,084.59	149,188.83	156,648.34	164,480.78			
Public Information Officer	Hourly	50.7710	53.3096	55.9751	58.7739	61.7126			
	Monthly	8,800.31	9,240.33	9,702.35	10,187.48	10,696.85			
	Yearly	105,603.68	110,883.97	116,428.21	122,249.71	128,362.21			
General Manager (Contract)	Hourly	103.8885	N/A	N/A	N/A	N/A			
	Monthly	18,007.34	N/A	N/A	N/A	N/A			
	Yearly	216,088.08	N/A	N/A	N/A	N/A			

REPRESENTED EMPLOYEES									
Production		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Treatment Operator 1	Hourly	N/A	N/A	N/A	N/A				
	Monthly	N/A	N/A	N/A	N/A				
	Yearly	N/A	N/A	N/A	N/A				
Treatment Operator 2	Hourly	37.5618	39.1268	40.7571	42.4553				
	Monthly	6,510.71	6,781.98	7,064.56	7,358.92				
	Yearly	78,128.54	81,383.74	84,774.77	88,307.02				
Treatment Operator 3	Hourly	43.5831	45.3991	47.2907	49.2611				
	Monthly	7,554.40	7,869.18	8,197.06	8,538.59				
	Yearly	90,652.85	94,430.13	98,364.66	102,463.09				
Treatment Operator 4	Hourly	50.8202	52.9377	55.1434	57.4411				
	Monthly	8,808.84	9,175.87	9,558.19	9,956.46				
	Yearly	105,706.02	110,110.42	114,698.27	119,477.49				

Note: Monthly and Yearly Salaries are the average based on 2080 hours.

Exempt/Management Hourly Range = Yearly Range / 2080 hours.

Represented Employees' COLA was applied to each step for FY 24-25.

*Steps 6 & 7 of the Distribution Superintendent expire after FY 24-25

NOTE: Minimum wage increased to \$16.00 1/1/2024



Operations and Maintenance

Administrative Services Division

The Administrative Services Division provides leadership, general administrative direction and policy implementation. This division's staff works across all departments/disciplines of the District as well as senior management providing direction and support.

The major areas of responsibilities include the following functions as listed below:

- Board of Directors
- Office of the General Manager
- Engineering
- Finance
- Administrative Services
- Information Technology
- Water Efficiency



Administrative Services Division Budget Summary

The Administrative Services Division of Carmichael Water District provides the leadership, strategic directives and policy management for the District as well as the administrative services of the District.

The Division is separated into the following Departments with department budgets:

- Board of Directors
- Office of the General Manager
- Engineering/Technical Services
- Engineering/Water Efficiency
- Finance/Accounting
- Finance/Customer Service
- Human Resources
- General administration (Non-departmental expenses)
- General administration/Information Technology

The overall budget for the Division is presented below, by department:

Administrative Service	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Board of Directors	\$ 103,448	\$ 33,395	\$ 111,340	7,892	8%
General Managers Office	524,073	261,640	540,712	16,639	3%
Engineering/GIS	684,072	389,845	751,925	67,853	10%
Engineering -Outreach/Water Efficiency	300,313	99,505	317,012	16,699	6%
Finance- Accounting	645,889	345,724	861,837	215,948	33%
Finance- Customer Service	536,681	315,924	537,681	1,000	0%
Human Resources	222,102	91,504	224,583	2,481	1%
Information Technology	226,100	89,395	229,480	3,380	1%
General Administrative	717,071	421,225	770,700	53,629	7%
Total	\$3,959,749	\$2,048,157	\$4,345,270	\$ 385,521	70%

Each department has specific responsibilities, goals and objectives and is described in the following pages.

Board of Directors (Dept 20)

The Board of Directors provides District governance and shapes the District's strategy, oversees financial health, ensures legal compliance, and sets long-term goals. The Board interacts with the General Manager, providing oversight, direction and leadership to ensure strategic alignment and major initiatives are implemented. The Board is composed of five (5) publicly elected members who attend a minimum of 12 board meetings, board workshops, committee meetings, public hearings, and conferences.

	Amended budget	2024-25	2024-25	2025-26		
		Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)	
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 General Manager (Dept 21)

The Office of the General Manager is responsible for supporting the Board of Directors (Board) and implementing the direction and policy of the Board. The General Manager's Office provides leadership and professional management to the District's organizations and adheres to values that emphasize transparency, public service, and community stewardship. Activities include establishing strategies, goals, objectives, policies, and procedures, directing and coordinating department operations, supporting a productive and healthy workforce, implementing the District's long-term capital improvement program, directing the preparation and implementation of the District's financial program, and representing the District to federal, state, and local public agencies, the media, and private organizations.

	2024-25	2024-25	2025-26				
				Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/(Decrease)
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%	

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Received ACWA JPIA President's Award.
- Received ACWA Certificate of Excellence (ACE).
- Received a WaterSMART grant from U.S. Bureau of Reclamation (BOR) for distribution system efficiency assessment.
- Selected as 1 of 5 projects by Congressman Bera for FY 26 Community Project Funding
- Assembled a strong management staff.

GOALS FOR UPCOMING YEAR

- Implement a new Strategic Plan with the Board of Directors.
- Develop a new Business Plan and Water Rate Structure for the next 5 years to ensure financial stability for the District.
- Develop a Communications Plan/Strategy.
- Coordinate with external agencies to maximize the District's previously banked water in the Sacramento Regional Water Bank.

Office of the General Manager (Dept 21), Continued

PERFORMANCE MEASURES

- Develop organizational values and priorities consistent with the Strategic Plan
- Implement capital improvement projects (CIPs) in accordance with new water rate structures.
- Develop implementation strategies for Ranney Collectors rehabilitation.
- Update District's Rules and Regulations on easement rights, new development procedures and process, and fee structure.
- Create and launch new community events for public outreach to customers.

Engineering - Technical Services (Dept 22)

The Engineering Department supports the District in carrying out its mission statement of being "Committed to providing the highest quality water for the lowest feasible cost and to serving its customers with diligence, efficiency, and integrity." The Engineering Department contributes to the overall Mission by using an engineered approach that promotes public buy-in and conservation which leads to drought resilience and environmental sustainability. The current Team that makes up the Engineering Department is planned to remain the same for the upcoming year and is as follows:

Engineering Manager
Senior Engineer (PT)
Assistant Engineer
Assistant Engineer
Water Efficiency Specialist
GIS Specialist/Water Efficiency Specialist

The Engineering Department is charged with carrying out the following responsibilities:

- Executing Capital Improvement Projects
- Facilitating Public Information
- Performing asset Mapping and spatial Data Management
- Managing the District's GIS database
- Maintaining the standards and requirements for new connections
- Advising the District's Safety Committee
- Guiding Water Conservation efforts
- Reporting Water Use/Water Loss data to California State Water Agencies

		2024-25	2024-25	2025-26		
		Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/(Decrease)	% Budget Increase/(Decrease)
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	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%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Completed the construction of the new Winding Way well in March 2025 and the new Ladera well in January 2025.
- Executed the re-instatement contract for completion of the partially constructed LaVista Tank and Booster Pump project.

Engineering - Technical Services (Dept 22), Continued

- Executed On-Call Services contracts for District Landscaping, Facility Maintenance, and paving/grading.
- Destroyed the Ladera, Winding Way, and Barrett Road wells.
- Executed a contract for a generator installation and electrical upgrade for the Garfield well.
- Completed the design and contracting for the Claremont pipeline replacement project.
- Finalized purchase of land rights from the San Juan Unified School District for the Ladera and La Sierra ASR well sites.
- Completed the sale of the District's 1MW of transmission capability on the COTP.
- Installed new access door in front lobby at the Corporate Headquarters for security purposes.

NEAR TERM GOALS

- Complete the design of the District's Main Transmission Pipeline from the BWTP to California Ave.
- Complete construction of the top-side portions of the La Sierra, Ladera, and Winding Way ASR wells.
- Complete destruction of the old Dewey wells.
- Complete construction of the La Vista Tank and Booster Pump Station.
- Increase security of District property and employees.
- Begin design of the updated SCADA system.
- Complete design and construction of Main Waterline on Fair Oaks between California Avenue and Johnson Lane.
- Complete Construction of Claremont Avenue pipeline replacement project.

PERFORMANCE MEASURES

- Critical paths for Projects are identified and followed.
- Projects follow approved budgets and identify shortfalls in time to include into a mid-year budget adjustment.

Engineering - Water Efficiency (Dept 28)

The Public Outreach and Water Efficiency Department is responsible for all outreach of the District and supports the water efficiency efforts as mandated by law and by policy. Outreach efforts include seminars and attendance at schools and shows, responses to media requests, maintenance of the District's website, publication of the District's newsletter ("The Flow"), monitoring of developing legislation/regulations, and compliance reporting. Water efficiency efforts include monitoring and assistance of customer usage, performance of water efficiency surveys, meter reading, enforcement of efficiency standards, and ensuring compliance with regulatory agencies for water conservation. The Department's budget includes the salaries, benefits and employment taxes for the Water Efficiency Specialist, materials and supplies for outreach events, budgetary allocations for grant matches for turf replacement and other grant programs, and agency participation fees for water efficiency.

	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/(Decrease)	% Budget Increase/(Decrease)
Engineering/Public Outreach - To be eliminated in 2026					
28-103701-00 Printing/Mailing/Postage - 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- 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 Eng	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%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Partnered with home owners in 2024 to replace approximately 20,000 Square Feet of turf within the District through the District's Turf Replacement Program.
- Assisted 20 customers in identifying leaks in their water systems and provided rebates to them for the cost of the water that was lost. These rebates were provided through the District's Leak Exemption program after the cause of the leaks were repaired.
- Distributed approximately 75 cubic yards of mulch to District customers to promote water conservation.
- Facilitated Outreach to the public at the Nature Fest and Founders Day community events.
- Facilitated outreach to Deterding Elementary school students on water conservation.

GOALS FOR UPCOMING YEAR

- Expand the turf replacement program within the District
- Continue promoting water conservation through mulching
- Maintain past outreach activities and expand Public interaction by meeting with HOA and community groups



PERFORMANCE MEASURES

- Replace 5,000 square feet of turf.
- Meet all Water Use/Loss related reporting deadlines required for the District
- Conduct a mulch give away event for District customers and distribute 75 cubic yards
- Meet with 2 HOA groups and present current water conservation programs and opportunities.

Photo- Grass replaced with artificial turf and drought tolerant shrubs in mulched beds. (September 2023)

In order for the Team to complete its work, it relies on a staffing budget plus support for software, supplies, training and other professional services.

Finance - Accounting (Dept 23)

The Accounting department provides financial expertise and has several primary functions that serve and support the monetary activities of the District. The functions include accounting and auditing, budget preparation and monitoring, cash and treasury management, inventory management, cash receipting and cash disbursements, payroll processing, bond management and financial regulatory and compliance reporting. The budget includes the salaries, benefits, and employment taxes for the Finance Manager, the Senior Staff Accountant and Business Operations Specialist, along with professional accounting and auditing services, training, bank charges and payroll processing fees.

	2024-25	2024-25	2025-26	\$ 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%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Earned the Government Finance Officers Association (GFOA) Distinguished Budget Award for the 2024-25 budget year.
- Earned the GFOA Certificate of Achievement for Excellence in Financial Reporting for the District's Annual Comprehensive Financial Report (ACFR) for the 2023-2024 fiscal year.
- Developed the new General Ledger and Billing account structures to accommodate recording of transactions under the new revenue classifications for water budgeting and other compliance reporting mandates.
- Completed the development of the general ledger chart of account structure to facilitate the budget cost accounting for the new departments.
- Completed the formal bid for auditing services and selected the District's financial statement auditor for the next five years.

GOALS FOR THE UPCOMING YEAR

- Prepare the 2025-26 budget in accordance with the criteria for the Government Finance Officers Association (GFOA) Distinguished Budget Award

Finance - Accounting (Dept 23), Continued:

- Prepare and submit the 2024-25 ACFR in accordance with the criteria for the GFOA Certificate of Achievement for Excellence in Financial Reporting.
- Complete the bid for actuarial valuation services for the Other Post-Employment Benefits (OPEB).
- Convert the District's payroll system and related HR Platform to a new SaaS (Software as a Service) provider.
- Complete the required five (5) year Arbitrage liability calculation for the 2019 Certificates of Participation (COP) bonds.
- Complete the next five (5) year rate study and related financial planning for reserves and infrastructure requirements.

PERFORMANCE MEASURES:

- By December 31, 2025, submit the District's 2024-25 ACFR to the GFOA for the Certificate of Achievement for Excellence in Financial Reporting award
- Complete all stated "Goals for the Upcoming Year" on or before June 30, 2026.

Finance - Customer Service (Dept 24)

The Customer Service department strives to provide excellent customer service and support to District customers, employees, and contracted vendors. The Department's primary responsibilities include the processing of billing, payments, delinquency collections, and the review and monitoring of meter reading. Customer service also provides support to District customers as the initial point of contact and serves as a liaison in managing requests for:

The establishment of new water service
Modifications to existing service
Water Efficiency support

Water Service Calls
Meter services
Hydrant Meter Rentals

The Department budget includes the salaries, benefits, and employment taxes for the Billing Supervisor and two Billing Specialists, along with the related service fees for monthly billing services and payment processing.

		2024-25	2024-25	2025-26		
		Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
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%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Executed the revision of the billing codes to differentiate the recording of the water sales according to account type and use.
- Investigated, identified, and updated 509 Commercial Location Classifications to differentiate their Use Types for reporting purposes.

GOALS FOR UPCOMING YEAR

- Investigate and develop a plan to introduce a customer communication portal to be used by staff and customers alike for relaying such things as emergency water outages, billing, and collection focuses.
- Implement marketing efforts to increase electronic payments decreasing labor intensive paper check processing.

PERFORMANCE MEASURES

- Complete the implementation of the customer communication module by 6-30-26

Human Resources (Dept 25)

The Human Resources department manages the processes for employee recruitment and departures, employee relations, benefits management, workers' compensation management, illness/injury assistance, and training and regulatory compliance. The Department is committed to serving the employees by delivering District programs that keep them safe, informed, efficient and compliant. We also promote work place environments that are positive and engaging and where the most valued assets are the employees.

	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/(Decrease)	% Budget Increase/(Decrease)
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/Health and wellness	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%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- Updated District's policies and job descriptions in accordance with newly adopted regulations.
- Successfully recruited for vacant positions.

GOALS FOR UPCOMING FISCAL YEAR

- Broaden the areas of expertise and functions of current department to include safety, risk management, and employee training programs.
- Assist department managers in developing departmental procedural manuals to include departmental work items, safety Standard Operating Procedures (SOPs), and training needs, etc.
- Enhance the District's webpage to ensure applicable and up-to-date information and topics.
- Ensure compliance with new rules and regulations.

Human Resources (Dept 25), Continued

PERFORMANCE MEASURES

- Develop a Risk Control Manual per ACWA JPIA with information pertinent to Carmichael Water District.
- Evaluate employees' safety training needs with department managers and establish a safety training program housed within Human Resources.
- Complete Job Safety Analyses (JSA) for Distribution Department based on last two years of injuries, accidents, and new equipment.

General administration/Information Technology (Dept 26)

The Information Technology Department now operates as only a cost center within the scope of General Administration. The Department does not have any employees, however, the required daily operations are coordinated by the Finance Division. IT services are outsourced to a third party service provider with ongoing services that include remote and onsite Help Desk, cybersecurity, network monitoring and risk, network engineering services, product fulfillment and vendor software licensing management. Other services are provided on a Time and Materials basis as needed and are contracted separately by project. The Department's budget includes only those expenses required to support the District's daily operational technology efforts with hardware, software, professional managed services, contract services, and telecommunications.

	2024-25	2024-25	2025-26	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
			Amended budget	Year To Date Actuals 2/28/25	Final budget
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	20,380	5,380	35.87%
26-103705-05 Website maintenance	8,500	7,063	8,500	-	0.00%
Allocation of IT expenses to WTP	(43,100)	(28,736)	(49,000)	(5,900)	13.69%
Total Information technology	226,100	89,395	229,480	3,380	1.49%

General Administration (Dept 27)

This department holds the “non-departmental” type of expenses for the District and those that are used to provide for the ongoing operational expenditures of the Main Office. The budget includes the Dues and Memberships for key stakeholder agencies for the District, facility expenses for the Main Office, insurance, retiree medical, and general expenses, fees and permits for general operations. There is no staffing associated with this collection of expenses. Therefore, there are no goals, objectives or performance measures developed for this department, other than the required cost control efforts of the various staff members placed in charge of managing the various budgetary line items.

	2024-25	2024-25	2025-26	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Amended budget	Year To Date Actuals 2/28/25	Final budget			
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	15000.00%
27-102725-12 RWA Regional Water Bank	44,750	27,800	28,000	(16,750)	-37.43%
27-102725-01 RWA - Water efficiency (From Water Efficiency)	-		16,600	16,600	16600.00%
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 25-26)	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	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	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	5,500	1,400	10,500	5,000	90.91%
27-103165-00 Printing services	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	-	-	-	-	0.00%
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%
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%

Production Department

The Production Department of Carmichael Water District is responsible for the operation, maintenance, and repair of the Bajamont Water Treatment Plant (BWTP), five CWD groundwater well sites and two reservoirs. Operators in the Production Department are also responsible for monitoring water quality compliance with the California Surface Water Treatment Rule. This includes sampling through the WTP and Distribution system.

The Production Department's Budget is divided into three separate sections to accommodate the activities of the Department, enhance cost allocations for contracts, and grant administration: Administration, Treatment Plant Operations, and Well Operations.

The Production Department is committed to:

- Producing High-Quality drinking water while meeting or exceeding state standards
- Sustain a Production team that is highly trained, friendly and knowledgeable. With the ability to effortlessly interact and inform our customers
- Operate and maintain all assets at optimum efficiency and reliability
- Provide a safe Workplace for Production Staff.

Production	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Administration Department (Dept 30)	\$1,547,869	\$ 936,334	\$1,591,946	44,077	3%
Water Treatment Plant Operations Department (Dept 35)	1,602,275	943,347	1,825,500	223,225	14%
Well Operations Department (Dept 38)	438,550	228,274	422,750	(15,800)	-4%
Total	3,588,694	2,107,955	3,840,196	251,502	13%

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

- A new level device was installed in the raw water caisson to improve the trending accuracy of water levels, allowing better planning for production during high demand and mitigating nuisance alarms.
- Successfully rebuilt two of the three booster pumps at the Dewey booster station; this enhancement will improve the reliability of the booster station serving Zone 1.
- We rebuilt our four pressure-reducing valves and collaborated with Cla-Val Company to install flow and pressure monitoring equipment at each station. This will enable staff to monitor and adjust flows into Zone 3 more effectively.
- All staff are Backflow certified to meet compliance needs for the cross-connection program
- Continued evaluating defensible space at all properties by removing problem trees and clearing potential fuel sources.

Production Department, Continued

GOALS FOR THE UPCOMING YEAR

The Production Department's goals for the upcoming fiscal year are to improve process efficiency, accuracy and safety. The department intends to complete the projects below in FY 25/26.

- Full inspection and cleaning of the Dewey one million-gallon tank.
- Upgrade flow meter at Barrett School Well for a higher level of accuracy and reliability
- Replace two old booster pumps with three variable frequency drive (VFD) boosters at the La Vista reservoir for greater efficiency and flexibility of stored water use
- Replace two original Variable Frequency Drives (VFD) on Raw Water Pumps #111 & #112. These are the last two of eight original drives to be updated
- Continue Staff training to provide the highest level of service to our customers

PERFORMANCE MEASURES:

- Improved water quality with regular cleaning and inspections
- Track flow and pressure data through our pressure-reducing stations to better evaluate water loss. Allowing equal flow from each of the pressure stations, minimizing low chlorine residuals and poor water quality
- Analyze flow data from the Barrett School Well for more accurate production numbers
- Use VFD pumps to manage stored water effectively with flexible flow rates. Evaluate energy consumption from the new booster pumps to measure efficiency.
- Encourage and track staff to complete continuing education hours and seek training in relevant subjects

Production – Administration (Dept 30)

The Administration Department of Production includes those general expenses used to manage the daily operations of the Division that are not directly allocable to Treatment Plant and Well Operations. Such expenses include salaries, benefits and employment taxes for the Production Superintendent and five Treatment Operators, office supplies and expense, vehicle repairs and maintenance, Lab Supplies, etc.

Admin budget focused on training this year. All six of the Production staff maintain backflow prevention assembly general tester certification and two hold Cross Connection Specialist Certificates. These positions are imperative to safeguarding the distribution system from cross-connecting hazards.

Acquiring and retaining qualified staff for all allocated positions is a priority. In FY 24-25, the production administration budget maintained a full staff with over 60 years of

Production – Administration (Dept 30), Continued

combined experience. Production staff continue to advance their State Certification levels to provide the highest operational standards.

		2024-25	2024-25	2025-26		
		Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
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 - (50% Allocation)	110,500	79,727	120,000	9,500	8.60%
30-102303-00	Information Technology expense allocation	43,100	28,736	49,000	5,900	13.69%
	Total General expenses	204,550	135,161	222,200	17,650	8.63%
30-103189-00	Training/Certification/Travel/Meetings	7,000	1,775	7,000	-	0.00%
	Total Production Administration Department	1,547,869	936,334	1,591,946	44,077	2.85%

Production – Water Treatment Plant Operations (Dept 35)

The Treatment Plant Operations budget includes those directly allocable expenses that are specific to operating and managing the facility such as power, systems and facility repairs and maintenance, chemicals and water sampling. The Bajamont Water Treatment Plant is a 22 MGD microfiltration facility that requires specialized, highly trained staff. Operations staff must be able to maintain and troubleshoot various systems, including pneumatic valves, electric motors, and monitoring sensors. Staff must monitor water quality and filter performance throughout the system. From raw river water to filtered finish water, meeting all compliance goals.

Production – Water Treatment Plant Operations (Dept 35), Continued

	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Water Treatment Plant Operations Department (Dept 35)					
Facility expenses					
35-103145-00 Facility maintenance and expenses	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	202,500	58,713	142,500	(60,000)	-29.63%
35-103145-01 Equipment repair and replacement - New for 2026	-	-	200,000	200,000	200000.0%
35-102505-00 Contract services (Engineering/SCADA)	25,000	1,337	24,000	(1,000)	-4.00%
35-102901-00 Licenses, fees, and permits	71,875	46,890	83,700	11,825	16.45%
Total Production Water Treatment Operations D	1,602,275	943,347	1,825,500	223,225	13.93%

Production – Well Operations (Dept 38)

The Well Operations budget includes directly allocable expenses specific to operating and managing the District's wells, such as power, repairs, and maintenance.

Upkeep of the well site properties is an essential aspect of operations. Maintaining a hazard-free worksite is critical to staff safety and to preventing potential damage to aboveground equipment during storm events. The well operations budget is allocated to trimming and removing trees that are deemed an issue.

Sodium Hypochlorite is delivered to and stored at wells for disinfection. Staff are trained in proper chemical handling, and dual containment tanks are in place for the highest level of safety. All staff are HAZWOPER certified. Daily sampling of the distribution system ensures that we comply with state standards.

Knowledge of the distribution system and all assets that deliver water to district customers is an important aspect of well operations. Staff utilize training courses in pressure-reducing and flow control valves to ensure they can keep system pressures within the required range and protect infrastructure.

Production – Well Operations (Dept 38), Continued

		2024-25	2024-25	2025-26		
		Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
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%
38-297701-01	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	63,000	11,700	22.81%
35-106903-00	Water quality	14,500	5,207	14,500	-	-
35-102901-00	Licenses, fees, and permits (Sac County Environment)	5,000	3,898	4,000	(1,000)	-
	Total Production Well Operations Department	438,550	228,274	422,750	(15,800)	-3.60%

Distribution Department

The primary function of the Distribution Department is to deliver water to all system customers in sufficient quantity and at the appropriate pressure to meet both potable drinking water needs and fire protection requirements. This water must be safe, of acceptable quality, and delivered with minimal loss, all while maintaining cost-efficiency.

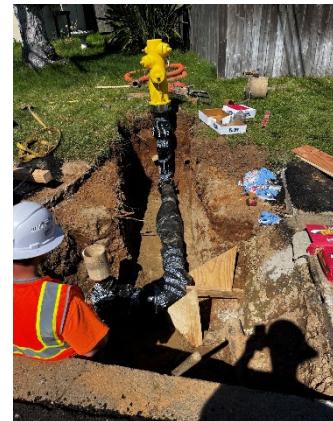
The Department is committed to providing responsive, around-the-clock customer service, staffed by highly trained and certified operators who bring extensive knowledge and experience to the field.

Operations & Maintenance (O&M) Responsibilities

The Distribution Department's operations and maintenance (O&M) responsibilities include a wide range of essential services to ensure the reliability and safety of the water distribution system. These include:

- Service line repairs
- Water main repairs
- Water valve repairs
- Fire hydrant repairs
- Valve exercising
- System flushing
- Small meter (\leq 2-inch) repairs and replacements
- Routine preventive maintenance activities

Capital Improvement Program (CIP) Functions



The Department's capital budget supports the Capital Improvement Program (CIP), which focuses on upgrading and expanding fixed assets. Key in-house services performed under the CIP include:

- Service line replacements
- Water main replacement projects
- Mainline valve replacements
- Fire hydrant replacements
- Blow-off replacements
- ARV replacements
- Installation and replacement of large meters (\geq 3-inch)

These capital projects are planned and executed to enhance the long-term performance, reliability, and sustainability of the water distribution system.

Distribution Department, Continued

GOALS AND ACCOMPLISHMENTS

RECENT ACCOMPLISHMENTS

O&M

- Customer Assistance - 995
- Mainline Repairs - 21
- Service Line Repairs - 59
- Mainline/Meter Valve Box Repairs - 33
- Main Line Valves Exercised - 224
- Fire Hydrant Inspection/Maintenance – 31

CIP

- Meter Body Replacements - 535
- Service Line Replacements - 103
- Main Line Valve Replacements - 5
- Fire Hydrant Replacements – 5
- Abandonment of approximately 620 feet of 1934 4-inch steel main located in the backyard area between Francis Way and Kenneth Avenue.



GOALS FOR UPCOMING YEAR

- Develop a plan for “in-house” mainline upgrade projects and abandon water mains that have reached end-of-life, selecting projects that align with current crew size and capabilities.
- Coordinate with Sacramento County on proposed AC overlay projects to upgrade aging infrastructure prior to paving, avoiding future maintenance and added pavement restoration costs.
- Repair and/or replace water service lines, water mains, fire hydrants, mainline valves, and other key infrastructure components as needed.
- Maintain and document repairs on all vehicles and equipment to extend lifespan and ensure reliability.
- Deliver water to all system customers in adequate quantity and pressure for domestic, commercial, and fire protection use, with minimal system loss.
- Respond to customer service requests promptly and provide assistance as required to resolve concerns.
- Complete the annual Water Leak Detection and Pinpointing Survey to reduce water loss and improve system efficiency.
- Inspect and oversee new construction and Capital Improvement Program (CIP) waterline projects to ensure quality and compliance.

PERFORMANCE MEASURES

Distribution Department, Continued

- Evaluate the Distribution Department's effectiveness and cost savings from in-house mainline replacement projects and determine whether current staffing and equipment are sufficient for future needs.
- Inspect, maintain, and document fire hydrants; upgrade a minimum of 10 dry or wharf hydrants to wet barrel models to improve functionality and fire suppression.
- Exercise, flush, GPS-locate, and document mainline valves to ensure proper operation, accurate location data, and long-term reliability; replace non-functioning or broken valves.
- Identify commercial meters that require replacement and upgrade to ultrasonic models to enhance reading accuracy and improve system accountability.

	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
Distribution					
Administration Department (Dept 40)	\$ 220,200	\$ 48,699	\$ 169,500	(50,700)	-23%
Transmission and Distribution Department (Dept 45)	1,921,978	889,058	1,797,288	(124,690)	-6%
Total	2,142,178	937,757	1,966,788	(175,390)	-30%

Distribution- Administration (Dept 40)

The Administration department of Distribution includes those general expenses used to manage the daily operations of the Division that are not directly allocable to Transmission and Distribution repairs and maintenance. Such expenses include tools, uniforms, contract and inspection services and licenses, fees and permits.

	2024-25	2024-25	2025-26		
	Amended budget	Year To Date Actuals 2/28/25	Final budget	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)
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	27,600	8,173	20,000	(7,600)	-27.54%
40-102901-00 Licenses, fees and permits (Encroach permits, Air Qu	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%

Distribution- Transmission and Distribution Maintenance and Repairs (Dept 45)

The Transmission and Distribution Repairs and Maintenance Budget includes salaries, benefits and employment taxes of the Construction Superintendent and six (6) Distribution operators. It also includes those directly allocable expenses used for repairs composed primarily of parts and then road restoration related expenses.

	2024-25	2024-25	2025-26	\$ Budget Increase/ (Decrease)	% Budget Increase/ (Decrease)	
			Amended budget	Year To Date Actuals 2/28/25	Final budget	
Transmission and Distribution Department (Dept 45)						
<i>Personnel</i>						
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%



Capital Improvements

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

	2024-25 Amended budget	2024-25 YTD Actuals 2/28/25	2025-26 Final budget	\$ Budget increase (decrease)	% Budget increase (decrease)
Funded by Rates					
Budget year capital projects	\$ 960,000	\$ 435,761	\$ 978,000	\$ 18,000	1.88%
Multi-Year capital projects	4,808,200	579,669	8,055,000	3,246,800	67.53%
Total Rate funded capital projects	5,768,200	1,015,430	9,033,000	3,264,800	56.60%
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	\$ 15,018,200	\$ 3,944,303	\$ 20,833,000	5,814,800	38.72%
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 Capital Budget
Budget Year Capital Project Detail

	2024-25 Amended budget	2024-25 YTD Actuals 2/28/25	2025-26 Final 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 - Roll over to 2026	90,000	-	90,000	-	0.00%
Total Production capital projects	90,000	-	90,000	-	0.00%
Distribution					
Service truck replacements - Rollover to 2026	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	\$ 978,000	\$ 18,000	1.88%
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 Capital Budget
Multi-year Capital Improvement Project Detail

		2024-25	2024-25	2025-26	\$ Budget	% Budget	
		Amended budget	YTD Actuals 2-28-25	Final budget	increase (decrease)	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%	
10-011113-02	HVAC/EVAC Replacements (2 Units/ea)	50,000	-	-	(50,000)	-100.00%	
10-011105-09	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	0.00%	
10-011105-04	Collector 2 Rehab	-	-	100,000	100,000	100000.00%	
10-011105-30	WTP Building rehab: Lab rehab, gutters	29,000	-	150,000	121,000	417.24%	
10-011105-35	WTP Compressors: Air regulator	14,500	-	-	(14,500)	-100.00%	
10-011105-01	WTP Roof replacement	233,000	232,627	-	(233,000)	-100.00%	
Wells							
10-011105-02	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%	
10-011105-37	Dewey Tank/booster pump station rehab (Pump and motor)	-	-	150,000	150,000	150000.00%	
10-011105-38	Dewey Tank Fence replacement	-	-	75,000	75,000	75000.00%	
10-011105-36	Well equipment replacements	21,700	-	-	(21,700)	-100.00%	
10-011106-20	Garfield Generator	1,400,000	112,595	1,400,000	-	0.00%	
10-011105-39	Garfield ASR Well #4	-	-	500,000	500,000	500000.00%	
	Total Production	2,448,200	452,057	2,955,000	506,800	20.70%	
Distribution							
Mainline Projects							
10-011106-21	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	2,650,000	400,000	17.78%	
10-011106-22	Fair Oaks Blvd MLRP	-	-	1,700,000	1,700,000	1200000.00%	
10-011106-23	Garfield / Angelina	-	-	250,000	250,000	250000.00%	
10-011106-24	Lincoln/FOB/Caminata	-	-	200,000	200,000	200000.00%	
	Total Distribution	2,250,000	88,911	5,050,000	2,800,000	124.44%	
	Total Rate funded multi-year projects	\$ 4,808,200	\$ 579,669	\$ 8,055,000	\$ 3,246,800	67.53%	
Funded by Grants							
Production							
10-011105-25/2	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							
10-011106-01-0	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%	

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Appendix A – Capital Improvements Projects Plan Fiscal Year 2025-26

Carmichael Water District's (District) Capital Improvement Projects (CIP) Plan is a comprehensive ten-year plan that is approved by the Board of Directors (Board). The CIP identifies current and future fiscal requirements and is the basis for determining annual capital budget expenditures. Capital improvements are major projects undertaken by the District for the procurement, construction, or installation of facilities or related equipment intended to improve, preserve, or enhance District services.

The CIP Plan is a dynamic and fluid document that takes preliminary engineering and construction cost estimates in tandem with the Water Rate Study and Water Rate Adjustments set by the Board of Directors annually to best evaluate and approximate future projects.

The following summarizes major program areas with project funding included in the 2026-2036 CIP. Detailed information on the CIPs receiving funding within the ten-year plan is shown on project detail sheets with projects presented by Division: Administrative services, Production, and Distribution. The projects are categorized and summarized first by rate funded projects and then by grant funded projects.

Risk Analysis Approach

Background

The goal of the Capital Improvement Projects (CIPs) Priority Assessment is to establish a consistent and documented system that can aid the District staff in assessing the risk of the infrastructure and determining the priority of future projects. The risk assessment is a scoring matrix that will provide a ranking system. Having a quantifiable and consistent system in place allows the District to update project priorities to account for changing conditions or new information/observations and to show the reasoning behind these shifting priorities. The foundation of the analysis is based on typical engineering practices, EPA criteria guidelines, and industry standards and approach for asset management and determining asset risk management and criticality. Using these parameters in approaching and designing this system, staff utilized the EPA metrics that factor into a project's priority based on the risk of potential failure and impact to the District in the event of a failure.

To do this, staff developed a risk-based approach, with the principles of the approach being built upon the probability of failure and the consequences of such failure for each existing infrastructure asset. The process began with the District's 2015 Master Plan, which included a list of 50-year CIPs reflecting programmatic impacts, and was further refined to a 10-Year Priority list. The 10-Year Priority List is used as a reference to compare the accuracy of the system while continually refining the scoring rubric. This refining process will be an on-going effort in order to maintain a CIP priority list that best aligns with the District's rationale for project priorities and the revenues available for the projects.

Risk Based Approach

The priority assessment is based on a risk analysis developed from a perspective of Probability of Failure (PoF) of a certain infrastructure and the Consequence of Failure (CoF). The combination of these two elements create a matrix to be used as a strategy for prioritizing projects and as a tool to guide staff to evaluate an infrastructure's replacement, rehabilitation, or additional monitoring. Figure 1 shows an example of the matrix with different risk assessments and illustrates the priorities of the CIPs depending on where they lie in the matrix. The next sections will detail the criteria that CWD staff have developed to define the Probability of Failure and Consequences of Failure.

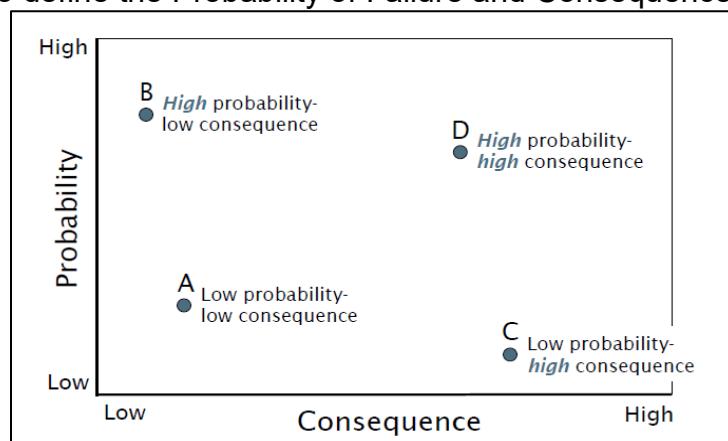


Figure 1. Example Risk Matrix

Source: *Fundamentals of Asset Management Session 6-Determine Business Risk ("Criticality")*, EPA (2017)

Probability of Failure

CWD staff developed the following criteria based on the industry standards and recommendations for asset management. The criteria defines and describes the CIP's probability of failure. Table 1 details the criteria, definitions, and the scoring and weighting as described in the methodology.

Criteria	Score					Weight (%)
	1 - Very Low	2 - Low	3 - Moderate	4 - High	5 - Very High	
Distress Indicators						25
Corrective Maintenance Performed	None	< once in 10 years	< once in 5 years	Every other year	Annually	20
Material/Product Quality	Excellent	Good	Average	Fair	Poor	15
Industry Service Life Remaining	> 90%	90% - 60%	59% - 46%	45% - 15%	< 15%	15
Environmental Conditions (Location/Security)	Secure and Protected		Partially Secure/Protected		Exposed to Harsh Conditions	10
Current Standard Compliance					Non Compliant	10
Pressure Zone	45-60		61-70		>71	5

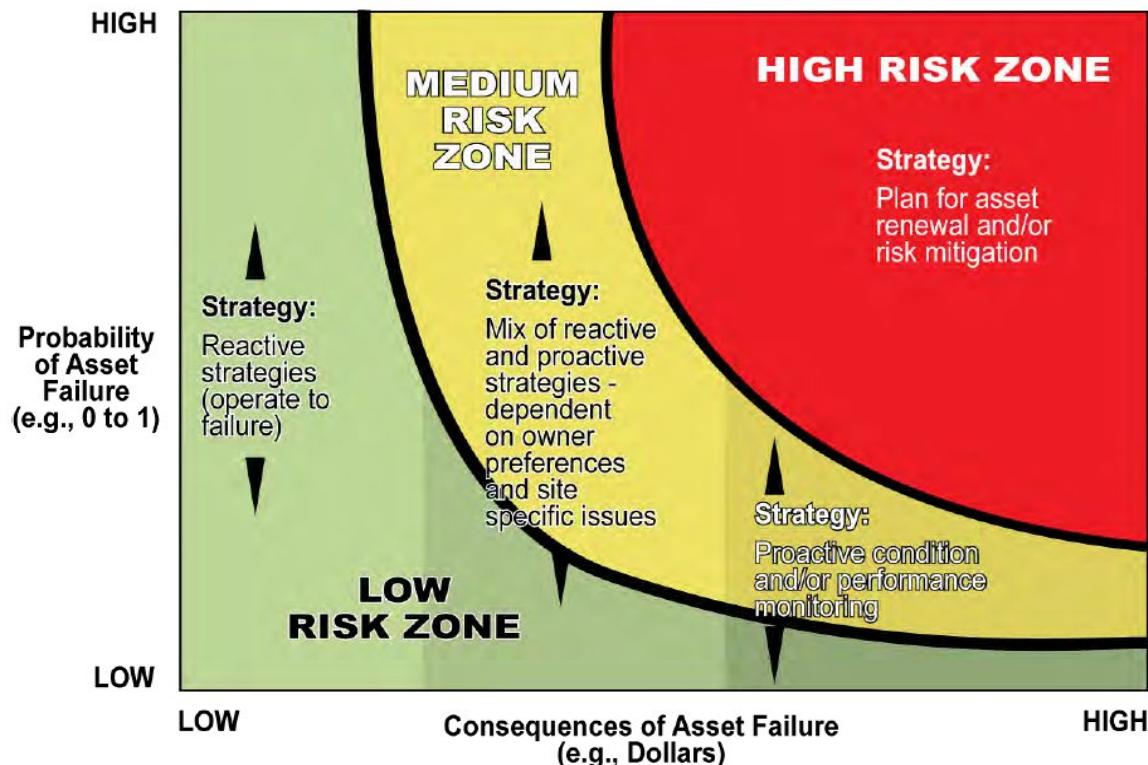
Consequences of Failure

CWD staff developed the following criteria based on the industry standards and recommendations for asset management. The criteria defines and describes the CIP's consequences and impacts of failure. Table 2 details the criteria, definitions, and the scoring and weighting as described in the methodology.

Criteria	Score					Weight (%)
	1 - Very Low	5 - Low	10 - Moderate	50 - High	100 - Very High	
Environmental/Public Health Impact	Low Impact		Moderate Environmental Impact		Sensitive Environmental/Public Health Impacted	25
Magnitude of Service	< 5	5 - 25	>25	Essential	System Wide	20
Difficulty of Repair	Very Low (easy access)	Low (limited access)	Moderate	High (busy roads, more time required)	Very High (private property, major streets/intersections, requires specialty services)	20
Redundancy			Redundant		Single Point of Failure (0%)	20
Transportation/Business Impact	Local Road (residential)	Collector Road (Residential)	Collector Road (Mixed-use)	Arterial Road (Mixed-use)	Arterial Road/Intersection (Commercial)	15

Applying The Assessment Criteria

The result of the assessment and risk analysis is a ranking of the projects that is used for prioritizing more critical assets and projects as part of the CIP planning. The rankings are graphically shown on a risk matrix, which will further inform, guide, and assist in developing risk mitigation strategies for the District. Figure 2 relates the resulting risk matrix to management and mitigation planning.



The basis of the system is asset management, thus it is an examination of the District's existing asset or infrastructure from a risk management viewpoint. For projects that are engineering studies or construction/procurement of a new asset and not replacement of an existing asset, the scoring system does not fully apply to these types of projects. As such, when scoring these types of projects, staff considered the related asset or infrastructure that the project is associated with. Thus, the probabilities and consequences of failure of the related asset or infrastructure is scored and not necessarily the project.

Table 3 details the projects that lie within the "High Risk Zone", therefore these projects have been identified as critical infrastructure projects, hence it is important to plan corrective actions and/or risk mitigation at this time.

These projects are identified as critical because they have elevated scores under the criteria for the probability of failure and consequences of failure. The elevated probability of failure for these projects is mainly due to the assets or infrastructure are reaching or have reached their useful life expectancy and best practices dictate a necessity to evaluate these types of assets for replacement or rehabilitation. In addition, the assets are requiring more upkeep and corrective maintenance to maintain the asset in working condition. The elevated consequences of failure for these projects is mainly due to how the infrastructure operates within the District's system as a whole. In the event of a failure, these assets would affect a large customer base. In addition, failure of these assets could cause stoppages or breakdowns in subsequent infrastructure leading to more widespread outages and failures.

Table 3. Identified Critical Capital Improvement Projects	
Department	Project
Distribution	San Juan Water Line Project
	Glenbrook et al Water Line Project
	Homewood et al Water Line Project
Production	SCADA Improvement w/ PLC & Instrumentation Upgrades
	BWTP Intake Capacity Assessment and Maintenance (Ranney)
	La Sierra Well ASR Well (Engle/Garfield)

Financial Considerations

It is recommended that District Staff regularly reference this plan when making programmatic decisions. Furthermore, it is suggested that staff must annually evaluate the District's financial strategy that starts by considering the latest Business Plan Update and Water Rates and the annual fiscal year budget set by the Board of Directors. The 10-Year Business Plan Update outlines the projected revenue, expenditures, and planned system maintenance along with the water rates (typically in 5-year increments) to support the activities. From there, staff assesses the annual projects and budget available to complete the work. This is a fluid process as other competing needs may arise during the formation of the annual budget such as revenue shortages or increases (i.e.: curtailment, drought conditions, mandatory water use reductions, outside boundary sales, etc.) or unplanned expenditures (i.e.: asset failure, regulatory requirements, Sacramento County impact projects, etc.). Financial considerations may be highly influenced by other factors dictating a necessity to reassess the priority annually. At this time the projected financial cost of the program is approximately \$5M dollars per year, but this financial cost is established by scheduling of the projects which can be accelerated and/or decelerated at the discretion of the Board in consideration of District priorities.

Next Steps

For the CIP Priority Assessment, staff will continually evaluate and refine the scoring system to best represent the District's project priorities. The current project costs are preliminary estimates, and it is the District's intent to develop, refine, and improve this program and its project estimates to better aid in forecasting future project priorities and other needs to ensure that the District is pursuing projects that are aligned with the District Mission Statement to provide the highest quality water for the lowest feasible cost while serving our customers with diligence, efficiency and integrity.

CIP 10 YEAR PROJECTION

PROJECT DESCRIPTIONS	Amended budget 4-21-25	Final budget			
2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	
ADMIN					
Vehicle, Office equipment replacement	60,000	-			
District wide security improvements - Lobby access door/ADA required improvements		50,000			
LED Lighting replacement					
Master plan update	50,000			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			200,000	400,000	400,000
Financial system/Customer service software replacement/Asset management software					
ADMIN TOTALS	110,000	50,000	200,000	650,000	400,000
DISTRIBUTION					
Service truck replacements (FY 2024-25 Veh #13:2001 Dodge 3500 and #33:2016 Ford F550) - Rollover to 2026	180,000	180,000	90,000	90,000	90,000
Other Distribution equipment (2025-26 Vac Trailer)	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
Fair Oaks Boulevard MLRP		1,700,000			
WTP Transmission lines (west) - WTP to Marshal Phase 1 (1940's to 1950's Pipe replacement)		250,000	1,700,000		
WTP Transmission lines (west) - Marshall to California Phase 2 "					
WTP Transmission lines (west) - Stanley to Duncan Phase 3 "				250,000	1,800,000
WTP Transmission lines (west) - Stanley to Sutter Phase 4 "				250,000	950,000
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/Calamet/DeJohn/Vonda/Home (~4300<10")					300,000
Continental/Claire/Dr/San Juan/Interite FOWD @ Continental (~3000<10")					
Claremont/Jeffrey/Coda (~4300<10")					
Garfield/Angelina (1900lnft)					
Kenneth from FOB East to CA					
Caminata (Lincol/FOB/Caminata)					
Van Alstine					
Glancy/ Fairchild					
DISTRIBUTION TOTALS	3,120,000	5,938,000	4,766,540	3,245,636	3,905,305
PRODUCTION					
Vehicle replacement (Veh #38, 2018 F150) - Rollover to 2026	90,000	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)		80,000			
WTP TREATED Water Drives (4)					
Chemical Tanks Replacement		100,000		50,000	
Collector 2 Rehabilitation New project: (2026-29)			300,000	300,000	1,000,000
Collector 1 Rehab					150,000
Electrical Switchgear and Generator Replacement					3,000,000
WTP Building rehab (Exterior and interior): Lab rehab, then exterior gutters, etc.	29,000	150,000			
WTP Compressors: Air regulator (Purchase and install)	14,500				
6 Block skid replacement Tertiary			350,000		
WTP Roof replacement					
Communication tower			83,000		
WELLS:					
ASR Study Water Right Petition(all wells)					
Garfield Well - Generator and Surge protector					
Willow Park Well pump replacement and electrical rehab					
Well equipment replacements (Barrett School well Magmeter, Pressure reducing station security hatch)					
Dewey tank and booster pump station rehab (pump and motor)					
Dewey Tank Fence replacement					
Dewey Tank Paint					
Garfield Well Replacement- ASR Well #4 (>80 Years old)					
La Vista Well Replacement -ASR Well #5					
Dewey Well Demolition					
Barrett Road Well Demolition					
Filter Skid Replacement (Reserve Funds)					
PRODUCTION TOTALS	2,538,200	3,045,000	3,923,000	4,150,000	4,000,000
RATE FUNDED FUNDED PROJECTS TOTAL	5,768,200	9,033,000	8,889,540	8,045,636	8,305,305
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	13,468,200	19,283,000	16,189,540	8,045,636	8,305,305
RESERVE FUNDING					
County projects (Annual funding per policy, does not accumulate)	200,000	200,000	200,000	200,000	200,000
Filter skid replacement (Annual funding per policy, accumulates in reserves)	650,000	650,000	650,000	650,000	650,000
Membrane replacement expense (Annual funding per policy, accumulates in reserves)	200,000	200,000	200,000	200,000	200,000
Ranney collector replacement (Annual funding per policy, accumulates in reserves)	500,000	500,000	500,000	500,000	500,000
TOTAL RESERVE FUNDING	1,550,000	1,550,000	1,550,000	1,550,000	1,550,000
GRAND TOTAL CIP AND RESERVE FUNDING	15,018,200	20,833,000	17,739,540	9,595,636	9,855,305
2019 COP BOND FUNDING					
La Vista Tank and booster pump station	4,000,000	2,500,000	2,000,000		
TOTAL BOND FUNDING	4,000,000	2,500,000	2,000,000	-	-
GRAND TOTAL	19,018,200	23,333,000	19,739,540	9,595,636	9,855,305

CIP 10 YEAR PROJECTION (Continued)

							Grand total
2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-36	FYE 2026-2033
-	-	-	-	40,000	-	-	40,000
60,000	-	-	-	-	-	-	50,000 250,000 60,000 1,000,000
60,000	-	-	-	40,000	-	-	1,400,000
90,000 695,564	90,000 716,431	90,000 737,924	90,000 760,062	90,000 782,864	90,000 806,350	830,540	630,000 810,000 7,915,218 1,700,000 1,950,000 2,050,000 1,200,000 3,700,000 3,300,000 3,300,000 3,300,000 3,300,000 2,650,000 2,250,000 2,250,000 200,000 3,300,000 3,300,000
300,000	3,400,000 300,000	3,000,000 300,000	3,000,000 300,000	3,000,000	300,000	3,000,000	-
3,000,000							2,650,000 2,250,000 2,250,000 200,000 3,300,000 3,300,000
4,085,564	4,596,431	4,127,924	4,240,062	4,172,864	4,196,350	3,830,540	47,105,218
2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	2035-36	
90,000							270,000 50,000
75,000 80,000	80,000	75,000 80,000		75,000		75,000	1,700,000 300,000 320,000 50,000 7,700,000 7,000,000 3,150,000 150,000 - 350,000 - 83,000 - 500,000 1,400,000 360,000 - 150,000 75,000 1,000,000 4,500,000 5,200,000 - - 2,000,000
4,000,000	2,000,000	4,000,000	3,000,000				
360,000							
1,000,000	1,000,000						2,000,000
4,515,000	2,170,000	5,155,000	4,000,000	275,000	3,000,000	2,075,000	36,308,000
8,660,564	6,766,431	9,282,924	8,240,062	4,487,864	7,196,350	5,905,540	84,813,218
							4,000,000 6,000,000 6,000,000
-	-	-	-	-	-	-	16,000,000
							1,550,000
-	-	-	-	-	-	-	1,550,000
8,660,564	6,766,431	9,282,924	8,240,062	4,487,864	7,196,350	5,905,540	102,363,218
200,000 650,000 200,000 500,000	200,000 650,000 200,000 500,000	200,000 650,000 200,000 500,000	200,000 650,000 200,000 500,000	200,000 650,000 200,000 500,000			1,800,000 5,850,000 1,800,000 4,500,000
1,550,000	1,550,000	1,550,000	1,550,000	1,550,000	-	-	13,950,000
10,210,564	8,316,431	10,832,924	9,790,062	6,037,864	7,196,350	5,905,540	116,313,218
							4,500,000
-	-	-	-	-	-	-	4,500,000
10,210,564	8,316,431	10,832,924	9,790,062	6,037,864	7,196,350	5,905,540	120,813,218

District Master Plan

(FY 2024-2028)

PROJECT INFORMATION

Department	Engineering
Project Manager	Engineering Manager
Project Description	This project will provide an updated Master Plan document for District to utilize in managing assets, liabilities, and financial strategies.

Project Objectives and Justification Establish an updated Master Plan to guide the District on managing infrastructure replacement, long-range asset liabilities, and financial considerations. This project analyzes the District's approach to infrastructure replacement and liabilities and develops a strategy for resolving the long-term sustainability of the District. This will be used in tandem with the District's Business Plan and Rate Study.

Permits Required

<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	Totals
Expenditures						
Cost						\$ -
Engineering		\$ 250K				\$ 250,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals		\$ 250K				\$ 250,000
Funding						
Revenues		\$ 250K				\$ 250,000
Grants						\$ -
Other						\$ -
Funding Totals		\$ 250K				\$ 250,000

HVAC Replacement/Update

PROJECT INFORMATION

Department	Engineering
Project Manager	Finance Manager
Project Description	This project repair/replace/update the building HVAC and the District's corporate headquarters.

Project Objectives and Justification The objective of this project is to update HVAC equipment as required to reduce total operational costs in terms of energy usage and maintenance costs.

Permits Required

<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Cost					\$ 60K	\$ 60,000
Engineering					\$	-
County Permits and Inspections					\$	-
Construction Management					\$	-
Land Acquisition and Easements					\$	-
Environmental CEQA					\$	-
Contingency					\$	-
Expenditure Totals					\$ 60K	\$ 60,000
Funding						
Revenues					\$ 60K	\$ 60,000
Grants					\$	-
Other					\$	-
Funding Totals					\$ 60K	\$ 60,000

Enterprise Asset Management System/Resource Tool

PROJECT INFORMATION

Department	Engineering
Project Manager	Engineering Manager/Finance Manager
Project Description	This project will provide staff with software to more efficiently manage the District's assets, capital improvement projects, liabilities, and financial strategies.
Project Objectives and Justification	The objective of this project is to provide staff with an asset management tool to better track, evaluate, and plan for capital improvement projects that combines the District's financial strategies and Master Plan all in one software package.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Cost		\$ 200K	\$ 400K	\$ 400K		\$ 1,000,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals		\$ 200K	\$ 400K	\$ 400K		\$ 1,000,000
Funding						
Revenues		\$ 200K	\$ 400K	\$ 400K		\$ 1,000,000
Grants						\$ -
Other						\$ -
Funding Totals		\$ 200K	\$ 400K	\$ 400K		\$ 1,000,000

Production Equipment Replacement: Compressor

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This is a multi-phase preventative maintenance project to replace the third of three compressors. The previous two were fully replaced 2017 and 2019.

Project Objectives and Justification The original compressor was installed in 2001 when the water treatment plant was commissioned and has exceeded its operational life. The replacement will be a new oil-less VFD compressor which has an estimated life expectancy of 20 years. This will help ensure the BWTP's water reliability by providing improvements, upgrades and/or the replacement of aging equipment with current industry standards.

Permits Required

<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes The estimated project start date is July 2022 with an estimated completion date of June 2023.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs		\$ 50K				\$ 50,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals		\$ 50K				\$ 50,000
Funding						
Revenues		\$ 50K				\$ 50,000
Grants						\$ -
Other						\$ -
Funding Totals		\$ 50K				\$ 50,000

SCADA/PLC Upgrade

PROJECT INFORMATION

Department	Production
Project Manager	Production/Engineering
Project Description	<p>This project consists of upgrading the PLC's and SCADA system at the Bajamont Water Treatment Plant (BWTP). This will include a technical owner's representative to develop a design-build contract. Then use a Progressive Design Build format to contract the work for Software Integration.</p> <p>GL #22-102520-00</p>
Project Objectives and Justification	<p>The BWTP automation and system controls are reaching their useful life with the PLC's no longer supported by the manufacturer. Up-to-date automation controls are essential to the safe and effective treatment and delivery of water to Carmichael Water District customers. A study will be performed to determine the improvements and upgrades. The improvement and upgrade will have estimated life expectancy of 20</p>
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input checked="" type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	The estimated project start date is July 2021 with an estimated completion date of June 2024.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs						\$ -
Engineering	\$ 250K	\$ 800K	\$ 650K			\$ 1,700,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 250K	\$ 800K	\$ 650K			\$ 1,700,000
Funding						
Revenues	\$ 250K	\$ 800K	\$ 650K			\$ 1,700,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 250K	\$ 800K	\$ 650K			\$ 1,700,000

Chemical Tanks Replacement

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This project involves the replacement of the two fiberglass 6000 gallon sodium hypochlorite storage tanks in the Bajamont Water Treatment Plant (BWTP). Move up from 2029 to 2025 based on inspection (Oct 2022) Tanks were re-lined 2016-2018 expected 10 year life.
Project Objectives and Justification	The original chemical tanks were installed in 2000 when the BWTP was commissioned. They were first rehabilitated in 2019 and 2021. This project will provide updated storage tanks for chemical disinfection. Due to the age of the assets, the tanks are approaching their end of service life and require full replacement.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	
Expenditures						
Construction Costs			\$ 50K			\$ 50,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals			\$ 50K			\$ 50,000
Funding						
Revenues			\$ 50K			\$ 50,000
Grants						\$ -
Other						\$ -
Funding Totals			\$ 50K			\$ 50,000

Willow Park Well pump replacement and electrical rehab

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent/Engineering Manager
Project Description	This project involves the replacement of the pump infrastructure and updating the electronics and VFDs at the Willow Park Well.
Project Objectives and Justification	This project involves the replacement of the pump asset of the Willow Park Well that will ensure water reliability by replacing aging infrastructure. Willow Park Well was installed in 1993. When replaced or rehabilitated it will have an estimated life expectancy of 30 to 40 years. The replacement or rehabilitation of the Willow Park Well will help ensure water reliability by providing water system improvements, upgrades and/or the replacement of aging equipment.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Project Schedule	

PROJECT EXPENDITURES & FUNDING

Description	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs				\$ 360K		\$ 360,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals				\$ 360K		\$ 360,000
Funding						
Revenues				\$ 360K		\$ 360,000
Grants						\$ -
Other						\$ -
Funding Totals				\$ 360K		\$ 360,000

Dewey Tank Site

PROJECT INFORMATION

Department	Production
Project Manager	Production/Engineering
Project Description	This project involves several components to the Dewey Site including: electrical upgrades, re-coating the water storage tank, and replacing the perimeter fence.
Project Objectives and Justification	Dewey Tank was previously rehabilitated in 1997. It is currently showing signs of visible corrosion on the outside of the tank and the pump stations have met their life expectancy. This project will evaluate the Dewey Tank for corrosion and propose options for rehabilitation. The perimeter fence will be replaced with a modern fence that maintains site security. Electrical controls will be upgraded to ensure that Dewey Tank complies with current industry standards.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit

Project Schedule

PROJECT EXPENDITURES & FUNDING						
Description	Expenditures & Funding Schedule					
	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	FY 2027-2028	Totals
Expenditures						
Construction Costs			\$ 200K			\$ 200,000
Engineering			\$ 15K			\$ 15,000
County Permits and Inspections						\$ -
Construction Management			\$ 5K			\$ 5,000
Land Acquisition and Easements						\$ -
Environmental CEQA			\$ 5K			\$ 5,000
Contingency						\$ -
Expenditure Totals			\$ 225K			\$ 225,000
Funding						
Revenues			\$ 225K			\$ 225,000
Grants						\$ -
Other						\$ -
Funding Totals			\$ 225K			\$ 225,000

Membrane Replacements (FY 2025-2030)

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This project consists of systematically replacing aged membranes at the Bajamont Water Treatment Plant (BWTP).

Project Objectives and Justification The membranes are replaced on a schedule each year based on useful life. The replacement of membranes at the end of their useful life will improve water quality, water volume, and water pressure. On average the membranes are replaced every 12 years. The installation schedule is staggered based on operational life, and so multiple replacements do not occur at the same time.

Permits Required

<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000
Funding						
Revenues	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000

Membrane Replacements (FY 2027-2031)

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This project consists of systematically replacing aged membranes at the Bajamont Water Treatment Plant (BWTP).

Project Objectives and Justification The membranes are replaced on a schedule each year based on useful life. The replacement of membranes at the end of their useful life will improve water quality, water volume, and water pressure. On average the membranes are replaced every 12 years. The installation schedule is staggered based on operational life, and so multiple replacements do not occur at the same time.

Permits Required

<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	FY 2031-2032	
Expenditures						
Construction Costs	\$ 166K	\$ 153K	\$ 153K	\$ 170K	\$ 200K	\$ 842,450
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 166K	\$ 153K	\$ 153K	\$ 170K	\$ 200K	\$ 842,450
Funding						
Revenues	\$ 166K	\$ 153K	\$ 153K	\$ 170K	\$ 200K	\$ 842,450
Grants						\$ -
Other						\$ -
Funding Totals	\$ 166K	\$ 153K	\$ 153K	\$ 170K	\$ 200K	\$ 842,450

Garfield Well Construction

PROJECT INFORMATION

Department	Engineering/Production
Project Manager	Engineering Manager/Production Superintendent
Project Description	This project is to engineer and construct an Aquifer Storage and Recovery (ASR) well to ensure water supply reliability for the District.

Project Objectives and Justification The objective of an ASR well is to store excess surface water when available and use the water during a curtailment or dry years. The District's current wells do not have this capability. This project would also provide groundwater supply during "normal" water years as part of regular operations. The project would provide the District additional water supply for reliability and potential savings in costs of water.

Permits Required

<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input checked="" type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	FY	FY	FY	FY	FY	Totals
	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	
Expenditures						
Construction Costs		\$ 2.00M	\$ 1.80M			\$ 3,800,000
Engineering	\$ 480K					\$ 480,000
County Permits and Inspections	\$ 10K					\$ 10,000
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA	\$ 10K					\$ 10,000
Contingency			\$ 200K			\$ 200,000
Expenditure Totals	\$ 500K	\$ 2.00M	\$ 2.00M			\$ 4,500,000
Funding						
Revenues	\$ 500K	\$ 2.00M	\$ 2.00M			\$ 4,500,000
Grants						\$ -
Other	.					\$ -
Funding Totals	\$ 500K	\$ 2.00M	\$ 2.00M			\$ 4,500,000

Winding Way ASR Well Construction

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This project is to engineer and construct an Aquifer Storage and Recovery (ASR) well to ensure water supply reliability for the District. GL #10-011105-28
Project Objectives and Justification	The objective of an ASR well is to store excess surface water when available and use the water during a curtailment or dry years. The District's current wells do not have this capability. This project would also provide groundwater supply during "normal" water years as part of regular operations. The project would provide the District additional water supply for reliability and potential savings in costs of water.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	This well project is not currently budgeted in the 10-year CIP. Scheduling and scope will be determined based on funding available.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 2.90M	\$ 2.90M				\$ 5,800,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management	\$ 100K	\$ 100K				\$ 200,000
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 3.00M	\$ 3.00M				\$ 6,000,000
Funding						
Revenues	\$ 3.00M	\$ 3.00M				\$ 6,000,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 3.00M	\$ 3.00M				\$ 6,000,000

Ladera ASR Well Construction

PROJECT INFORMATION

Department	Engineering/Production
Project Manager	Engineering Manager/Production Superintendent
Project Description	This project is to engineer and construct an Aquifer Storage and Recovery (ASR) well to ensure water supply reliability for the District.
Project Objectives and Justification	The objective of an ASR well is to store excess surface water when available and use the water during a curtailment or dry years. The District's current wells do not have this capability. This project would also provide groundwater supply during "normal" water years as part of regular operations. The project would provide the District additional water supply for reliability and potential savings in costs of water.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 2.90M	\$ 2.90M				\$ 5,800,000
Engineering	\$ 100K	\$ 100K				\$ 200,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 3.00M	\$ 3.00M				\$ 6,000,000
Funding						
Revenues						\$ -
Grants	\$ 3.00M	\$ 3.00M				\$ 6,000,000
Other						\$ -
Funding Totals	\$ 3.00M	\$ 3.00M				\$ 6,000,000

Ranney Intake Rehab (2025-2031)

PROJECT INFORMATION

Department	Production
Project Manager	Engineering/Production
Project Description	This item covers the necessary work to restore the capacity of the Ranney collectors back to their original design capacity to the extents feasible. This includes planning, design and construction of any one or combination of alternatives. Currently, no changes in configuration to the collectors is anticipated, thus minimizing environmental impacts.
Project Objectives and Justification	The laterals in the three Ranney Collectors were cleaned in 2023. Although there was some improvement in flow, flow rates are still below original design. The final report by Lane-Christensen provides alternatives for improving flows. In the highest demand periods of operation, the Ranney collectors fall behind on supply to the treatment plant forcing the treatment plant to reduce production. Note that additional work is
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	The estimated project start date is July 2022 with an estimated completion date of December 2023.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule						
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	Totals
Expenditures							
Construction Costs				\$ 1.00M	\$ 4.00M	\$ 2.00M	\$ 7,000,000
Engineering	\$ 90K	250000	300000				\$ 640,000
County Permits and Inspections							\$ -
Construction Management							\$ -
Annual Set-Aside for Future Construction	\$ 500K	\$ 500K	\$ 500K	\$ 500K	\$ 500K	\$ 500K	\$ 3,000,000
Environmental CEQA	\$ 10K	\$ 50K					\$ 60,000
Contingency							\$ -
Expenditure Totals	\$ 600K	\$ 800K	\$ 800K	\$ 1.50M	\$ 4.50M	\$ 2.50M	\$ 10,700,000
Funding							
Revenues	\$ 600K	\$ 800K	\$ 800K	\$ 1.50M	\$ 4.50M	\$ 2.50M	\$ 10,700,000
Grants							\$ -
Other							\$ -
Funding Totals	\$ 600K	\$ 800K	\$ 800K	\$ 1.50M	\$ 4.50M	\$ 2.50M	\$ 10,700,000

Ranney Intake Rehab (2031-2036)

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This project consists of systematically replacing aged membranes at the Bajamont Water Treatment Plant (BWTP).

Project Objectives and Justification The membranes are replaced on a schedule each year based on useful life. The replacement of membranes at the end of their useful life will improve water quality, water volume, and water pressure. On average the membranes are replaced every 12 years. The installation schedule is staggered based on operational life, and so multiple replacements do not occur at the same time.

Permits Required	<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
	<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
	<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
	<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2031-2032	FY 2032-2033	FY 2033-2034	FY 2034-2035	FY 2035-2036	Totals
Expenditures						
Construction Costs	\$ 3.80M	\$ 2.80M				\$ 6,600,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management	\$ 100K	\$ 100K				\$ 200,000
Annual Set-Aside for Future Construction	\$ 500K	\$ 500K	\$ 500K	\$ 500K	\$ 500K	\$ 2,500,000
Environmental CEQA						\$ -
Contingency	\$ 100K	\$ 100K				\$ 200,000
Expenditure Totals	\$ 4.50M	\$ 3.50M	\$ 500K	\$ 500K	\$ 500K	\$ 9,500,000
Funding						
Revenues	\$ 4.50M	\$ 3.50M	\$ 500K	\$ 500K	\$ 500K	\$ 9,500,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 4.50M	\$ 3.50M	\$ 500K	\$ 500K	\$ 500K	\$ 9,500,000

Garfield Well Upgrades

PROJECT INFORMATION

Department	Production
Project Manager	Production/Engineering
Project Description	Project upgrades the well components with a back up generator and new matching electrical controls.
Project Objectives and Justification	Improves water reliability by reducing risk of failure due to equipment malfunction or non-operation during extended power outage.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	The project started in FY 20/21 is complete as of April 2022.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 1.20M					\$ 1,200,000
Engineering	\$ 100K					\$ 100,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency	\$ 100K					\$ 100,000
Expenditure Totals	\$ 1.40M					\$ 1,400,000
Funding						
Revenues	\$ 1.40M					\$ 1,400,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 1.40M					\$ 1,400,000

La Vista Project - Tank and Booster Pump Station

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent/Engineering Manager
Project Description	The La Vista Tank and Booster Pump Station Project will construct a new 3.0 MG welded steel water storage tank and booster pump station an demolition of the existing La Vista storage tank.
Project Objectives and Justification	The existing tank and booster pump station were constructed in 1971 and is in poor condition. Due to the age, it is becoming difficult to maintain the facility. Additionally, the existing pumping capacity is not sufficient to fully utilize the nominal capacity of the tank. The project replace the existing assets with new facilities including, but not limited to: new storage tank, piping, aboveground booster pump station, standby generator, instrumentation and controls, and site improvements.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	The project began design in FY 2019/2020. The construction phase began in FY 2021/2022 with an estimated substantial completion date of 2023.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 2.00M	\$ 1.90M				\$ 3,900,000
Engineering	\$ 200K	\$ 100K				\$ 300,000
County Permits and Inspections						\$ -
Construction Management	\$ 300K					\$ 300,000
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 2.50M	\$ 2.00M				\$ 4,500,000
Funding						
Revenues						\$ -
Grants						\$ -
Other	\$ 2.50M	\$ 2.00M				\$ 4,500,000
Funding Totals	\$ 2.50M	\$ 2.00M				\$ 4,500,000

District Wide - ASR Well Study

PROJECT INFORMATION

Department	Engineering	
Project Manager	Engineering	
Project Description	This Project consists of an analysis that evaluates the performance of ASR well activity within the District. Real data will be collected from the LaSierra ASR well and combined with other available data to determine optimum rates and effects of groundwater recharge.	
Project Objectives and Justification	The information from the analysis will be compiled into a report that will be used to petition the State of California to store water in the ground using water diverted under CWD water rights and permit.	
Permits Required		
	<input type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
	<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
	<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
	<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit
Notes		

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs						\$ -
Engineering	\$ 250K	\$ 250K				\$ 500,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 250K	\$ 250K				\$ 500,000
Funding						
Revenues	\$ 250K	\$ 250K				\$ 500,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 250K	\$ 250K				\$ 500,000

Electrical Switchgear and Generator/Breaker Maintenance

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This is a project to purchase a standby generator to assist in operating a groundwater source during a power outage.
Project Objectives and Justification	This is a project to help ensure that an alternate water source is available in the event of a power outage. Currently, four of five well sites do not have standby power. Standby generators will ensure emergency power is available to continue operations in the event of a power outage.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2024-2025	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	Totals
Expenditures						
Construction Costs					\$ 2.80M	\$ 2,800,000
Engineering				\$ 150K		\$ 150,000
County Permits and Inspections						\$ -
Construction Management					\$ 200K	\$ 200,000
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals				\$ 150K	\$ 3.00M	\$ 3,150,000
Funding						
Revenues				\$ 150K	\$ 3.00M	\$ 3,150,000
Grants						\$ -
Other						\$ -
Funding Totals				\$ 150K	\$ 3.00M	\$ 3,150,000

Water Treatment Plant-Raw Water Maintenance

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This is a multi-year replacement project to rehab/replace raw water pumps starting in 2021.
Project Objectives and Justification	The original Water Pumps were installed in 2000 when the water treatment plant was commissioned. Good maintenance practice dictates these pumps should be pulled and rehabilitated to ensure that BWTP water pumps continue operating at a high level and ensure water treatment reliability. This project is consistent with the CWD Master Plan.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	This project estimates funding requirements for periodic pump rehabilitation from FY2022 through FY2024.

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule						Totals
	FY 2028-2029	FY 2029-2030	FY 2030-2031	FY 2031-2032	FY 2032-2033	FY 2033-2034	
Expenditures							
Construction Costs		\$ 75K		\$ 75K		\$ 75K	\$ 225,000
Engineering							\$ -
County Permits and Inspections							\$ -
Construction Management							\$ -
Land Acquisition and Easements							\$ -
Environmental CEQA							\$ -
Contingency							\$ -
Expenditure Totals		\$ 75K		\$ 75K		\$ 75K	\$ 225,000
Funding							
Revenues		\$ 75K		\$ 75K		\$ 75K	\$ 225,000
Grants							\$ -
Other							\$ -
Funding Totals		\$ 75K		\$ 75K		\$ 75K	\$ 225,000

La Vista ASR Well

PROJECT INFORMATION

Department	Production
Project Manager	Production/Engineering
Project Description	The La Vista Tank and Booster Pump Station Project Will be fully completed in 2026. The on-site well will be then upgraded by redrilling and upgrading it to ASR capability.
Project Objectives and Justification	As part of the La Vista Tank and Booster Pump Station Project, the ASR well was identified as a critical to the District meeting its water supply goals.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule

Description	FY 2029-2030	FY 2025-2026	FY 2032-2033	FY 2033-2034	FY 2034-2035	FY 2035-2036	Totals
Expenditures							
Construction Costs					\$ 2.80M	\$ 1.80M	\$ 4,600,000
Engineering				\$ 180K			\$ 180,000
County Permits and Inspections				\$ 10K			\$ 10,000
Construction Management					\$ 100K	\$ 100K	\$ 200,000
Land Acquisition and Easements							\$ -
Environmental CEQA				\$ 10K			\$ 10,000
Contingency					\$ 100K	\$ 100K	\$ 200,000
Expenditure Totals				\$ 200K	\$ 3.00M	\$ 2.00M	\$ 5,200,000
Funding							
Revenues				\$ 200K	\$ 3.00M	\$ 2.00M	\$ 5,200,000
Grants							\$ -
Other							\$ -
Funding Totals				\$ 200K	\$ 3.00M	\$ 2.00M	\$ 5,200,000

Water Treatment Plant-Treated Water Maintenance

PROJECT INFORMATION

Department	Production
Project Manager	Production Superintendent
Project Description	This is a multi-year project to rehab/replace four (4) treated water pumps at the Bajamont Water Treatment Plant (BWTP)

Project Objectives and Justification The original treated water pumps were installed in 2000 when the BWTP was commissioned. Good maintenance practice dictates these pumps should be pulled and rehabilitated to ensure the pumps continue operating at a high level. The rehabilitations of the water pumps will help ensure they can run continuously in order to treat water reliably. This project is consistent with the CWD Master Plan.

Permits Required

<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule						
	FY 2025-2026	FY 2029-2030	FY 2030-2031	FY 2031-2032	FY 2032-2033	FY 2033-2034	Totals
Expenditures							
Construction Costs	\$ 80K	\$ 80K	\$ 80K	\$ 80K			\$ 320,000
Engineering							\$ -
County Permits and Inspections							\$ -
Construction Management							\$ -
Land Acquisition and Easements							\$ -
Environmental CEQA							\$ -
Contingency							\$ -
Expenditure Totals	\$ 80K	\$ 80K	\$ 80K	\$ 80K			\$ 320,000
Funding							
Revenues	\$ 80K	\$ 80K	\$ 80K	\$ 80K			\$ 320,000
Grants							\$ -
Other							\$ -
Funding Totals	\$ 80K	\$ 80K	\$ 80K	\$ 80K			\$ 320,000

LaSierra ASR Well

PROJECT INFORMATION

Department	Engineering/Production
Project Manager	Engineering/Production
Project Description	This project is to engineer and construct an Aquifer Storage and Recovery (ASR) well to ensure water supply reliability for the District.
Project Objectives and Justification	The objective of an ASR well is to store excess surface water when available and use the water during a curtailment or dry years. The District's current wells do not have this capability. This project would also provide groundwater supply during "normal" water years as part of regular operations. The project would provide the District additional water supply for reliability and potential savings in costs of water.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	The District has received grant award notices \$2M from Reclamation and \$4M from California DWR. The project is in design and environmental permitting.

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 3.80M					\$ 3,800,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management	\$ 200K					\$ 200,000
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 4.00M					\$ 4,000,000
Funding						
Revenues						\$ -
Grants	\$ 4.00M					\$ 4,000,000
Other						\$ -
Funding Totals	\$ 4.00M					\$ 4,000,000

Fair Oaks Mainline Replacement

PROJECT INFORMATION

Department	Distribution	
Project Manager	Distribution Superintendent	
Project Description	Sacramento County requires any permitted public utility to relocate assets at the utility's expense per Section 1463 of the Streets and Highways Code. This item is specific to the installation of approx. 700 feet of DIP along FO from California Ave to Johnson and some misc side streets prior to County scheduled road overlay.	
Project Objectives and Justification	The District has established an annual budget for District required work for Sacramento County projects in its Distribution budget. When funding comes available, the County projects are ready to go out to bid with little or no notice to the community or utilities. The District reserves these funds for the County projects and the work involved to relocate existing utilities.	
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Cost	\$ 1.20M					\$ 1,200,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 1.20M					\$ 1,200,000
Funding						
Revenues	\$ 1.20M					\$ 1,200,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 1.20M					\$ 1,200,000

County Projects (Miscellaneous) (FY 2027-2031)

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution Superintendent
Project Description	Sacramento County requires any permitted public utility to relocate assets at the utility's expense per Section 1463 of the Streets and Highways Code.

Project Objectives and Justification The District has established an annual budget for District required work for Sacramento County projects in its Distribution budget. When funding comes available, the County projects are ready to go out to bid with little or no notice to the community or utilities. The District reserves these funds for the County projects and the work involved to relocate existing utilities.

Permits Required

<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	FY 2031-2032	
Expenditures						
Cost	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,200,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,200,000
Funding						
Revenues	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 200K	\$ 1,000,000

District Main Transmission Line Upgrade (7 Phases)

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/ Engineering
Project Description	This project consists of installing large transmission lines that move water from the Treatment plant out to the district mainlines and laterals. Pipe diameters for these lines range from 10 to 14 inches.
Project Objectives and Justification	The installation of the new water lines will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule						
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	Totals
Expenditures							
Construction Costs		\$ 1.30M		\$ 2.55M		\$ 3.20M	\$ 7,050,000
Engineering	\$ 230K		\$ 460K		\$ 280K	\$ 280K	\$ 1,250,000
County Permits and Inspections	\$ 10K		\$ 20K		\$ 10K	\$ 10K	\$ 50,000
Construction Management		\$ 100K		\$ 100K		\$ 100K	\$ 300,000
Land Acquisition and Easements							\$ -
Environmental CEQA	\$ 10K		\$ 20K		\$ 10K	\$ 10K	\$ 50,000
Contingency		\$ 100K		\$ 100K		\$ 100K	\$ 300,000
Expenditure Totals	\$ 250K	\$ 1.50M	\$ 500K	\$ 2.75M	\$ 300K	\$ 3.70M	\$ 9,000,000
Funding							
Revenues	\$ 250K	\$ 1.50M	\$ 500K	\$ 2.75M	\$ 300K	\$ 3.70M	\$ 9,000,000
Grants							\$ -
Other							\$ -
Funding Totals	\$ 250K	\$ 1.50M	\$ 500K	\$ 2.75M	\$ 300K	\$ 3.70M	\$ 9,000,000

Homewood Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/ Engineering
Project Description	This project consists of installing ~4,300 feet of new DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances.

Project Objectives and Justification The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.

Permits Required

<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2027-2028	FY 2028-2029	FY 2029-2030	FY 2030-2031	FY 2031-2032	
Expenditures						
Construction Costs			\$ 2.84M			\$ 2,840,000
Engineering		\$ 275K				\$ 275,000
County Permits and Inspections		\$ 20K				\$ 20,000
Construction Management			\$ 100K			\$ 100,000
Land Acquisition and Easements						\$ -
Environmental CEQA		\$ 5K				\$ 5,000
Contingency			\$ 60K			\$ 60,000
Expenditure Totals		\$ 300K	\$ 3.00M			\$ 3,300,000
Funding						
Revenues		\$ 300K	\$ 3.00M			\$ 3,300,000
Grants						\$ -
Other						\$ -
Funding Totals		\$ 300K	\$ 3.00M			\$ 3,300,000

Continental/Claire Dr Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing ~3,000 feet of new DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances.

Project Objectives and Justification The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.

Permits Required

<input checked="" type="checkbox"/> CEQA Exemption	<input type="checkbox"/> 401 Water Quality Certification
<input type="checkbox"/> CEQA Negative Declaration (ND)	<input type="checkbox"/> 404 USACE Clean Water Act
<input type="checkbox"/> CEQA Mitigated ND	<input type="checkbox"/> 408 USACE Consultation
<input type="checkbox"/> CEQA Environmental Impact Report	<input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2028-2029	
Expenditures						
Construction Costs	\$ 2.20M					\$ 2,200,000
Engineering						\$ -
County Permits and Inspections						\$ -
Construction Management	\$ 50K					\$ 50,000
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 2.25M					\$ 2,250,000
Funding						
Revenues	\$ 2.25M					\$ 2,250,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 2.25M					\$ 2,250,000

Claremont/Coda Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing ~4,300 feet of new DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances. Potential for environmental impact reports due to proximity to the Corp of Engineer's levee.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					Totals
	FY 2028-2029	FY 2029-2030	FY 2030-2031	FY 2031-2032	FY 2032-2033	
Expenditures						
Construction Costs		\$ 2.96M				\$ 2,960,000
Engineering	\$ 410K					\$ 410,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA	\$ 100K					\$ 100,000
Contingency						\$ -
Expenditure Totals	\$ 510K	\$ 2.96M				\$ 3,470,000
Funding						
Revenues	\$ 510K	\$ 2.96M				\$ 3,470,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 510K	\$ 2.96M				\$ 3,470,000

Garfield/Angelina Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/ Engineering
Project Description	This project consists of installing ~2,500 feet of new 12-inch DIP, ~1,500 feet of new 8-inch DIP, new fire hydrants, meter relocations, and upgrading water services and appurtenances, abandonment of backyard water lines, and re-looping the system to existing water lines. This project is a contingency supplement for the La Vista Tank Project - Angelina Pipeline.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit

Notes

PROJECT EXPENDITURES & FUNDING

Description	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	FY 2027-2028	Totals
Expenditures						
Construction Costs				\$ 1.99M		\$ 1,990,000
Engineering			\$ 230K			\$ 230,000
County Permits and Inspections			\$ 10K			\$ 10,000
Construction Management				\$ 10K		\$ 10,000
Land Acquisition and Easements						\$ -
Environmental CEQA			\$ 10K			\$ 10,000
Contingency						\$ -
Expenditure Totals			\$ 250K	\$ 2.00M		\$ 2,250,000
Funding						
Revenues			\$ 250K	\$ 2.00M		\$ 2,250,000
Grants						\$ -
Other						\$ -
Funding Totals			\$ 250K	\$ 2.00M		\$ 2,250,000

Van Alstine Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing new 8-inch DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2030-2031	FY 2031-2032	FY 2032-2033	FY 2033-2034	FY 2034-2035	Totals
Expenditures						
Construction Costs					\$ 2.80M	\$ 2,800,000
Engineering				\$ 280K		\$ 280,000
County Permits and Inspections				\$ 10K		\$ 10,000
Construction Management					\$ 100K	\$ 100,000
Land Acquisition and Easements						\$ -
Environmental CEQA				\$ 10K		\$ 10,000
Contingency					\$ 100K	\$ 100,000
Expenditure Totals				\$ 300K	\$ 3.00M	\$ 3,300,000
Funding						
Revenues				\$ 300K	\$ 3.00M	\$ 3,300,000
Grants						\$ -
Other						\$ -
Funding Totals				\$ 300K	\$ 3.00M	\$ 3,300,000

Caminata Mainline Replacement Project

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing new 8-inch DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances along Caminata in the FOB and Lincoln neighborhood.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs	\$ 150K					\$ 150,000
Engineering	\$ 50K					\$ 50,000
County Permits and Inspections						\$ -
Construction Management						\$ -
Land Acquisition and Easements						\$ -
Environmental CEQA						\$ -
Contingency						\$ -
Expenditure Totals	\$ 200K					\$ 200,000
Funding						
Revenues	\$ 200K					\$ 200,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 200K					\$ 200,000

Kenneth Ave Mainline Replacement Project

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing new 8-inch DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances along kenneth Ave from FOB to California Ave.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Description	Expenditures & Funding Schedule					
	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2029-2030	Totals
Expenditures						
Construction Costs			\$ 1.80M			\$ 1,800,000
Engineering		\$ 230K				\$ 230,000
County Permits and Inspections		\$ 10K				\$ 10,000
Construction Management			\$ 100K			\$ 100,000
Land Acquisition and Easements						\$ -
Environmental CEQA		\$ 10K				\$ 10,000
Contingency			\$ 100K			\$ 100,000
Expenditure Totals		\$ 250K	\$ 2.00M			\$ 2,250,000
Funding						
Revenues		\$ 250K	\$ 2.00M			\$ 2,250,000
Grants						\$ -
Other						\$ -
Funding Totals		\$ 250K	\$ 2.00M			\$ 2,250,000

Glancy/Fairchild Neighborhood System Upgrade

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/Engineering
Project Description	This project consists of installing new 8-inch DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input checked="" type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2031-2032	FY 2032-2033	FY 2033-2034	FY 2034-2035	FY 2035-2036	Totals
Expenditures						
Construction Costs					\$ 2.80M	\$ 2,800,000
Engineering				\$ 280K		\$ 280,000
County Permits and Inspections				\$ 10K		\$ 10,000
Construction Management					\$ 100K	\$ 100,000
Land Acquisition and Easements						\$ -
Environmental CEQA				\$ 10K		\$ 10,000
Contingency					\$ 100K	\$ 100,000
Expenditure Totals				\$ 300K	\$ 3.00M	\$ 3,300,000
Funding						
Revenues				\$ 300K	\$ 3.00M	\$ 3,300,000
Grants						\$ -
Other						\$ -
Funding Totals				\$ 300K	\$ 3.00M	\$ 3,300,000

Garfield/Engle Transmissions Pipeline (EPA STAG Grant)

PROJECT INFORMATION

Department	Distribution
Project Manager	Distribution/ Engineering
Project Description	This project consists of installing ~9,000 feet of new 12-inch DIP water line, ~2,700 feet of new 8-inch DIP water line, new fire hydrants, meter relocations, and upgrading water services and appurtenances.
Project Objectives and Justification	The installation of the new water main will improve water quality, water volume, water pressure, water reliability, and fire safety by providing water system improvements and upgrading and/or replacing aging infrastructure. The original water main was made of steel and was installed around the 1940s. It is being replaced with new class 52 ductile iron pipe water main which has an estimated life expectancy of 100 years.
Permits Required	<input type="checkbox"/> CEQA Exemption <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> CEQA Negative Declaration (ND) <input type="checkbox"/> 404 USACE Clean Water Act <input checked="" type="checkbox"/> CEQA Mitigated ND <input type="checkbox"/> 408 USACE Consultation <input type="checkbox"/> CEQA Environmental Impact Report <input type="checkbox"/> CDFW LSAA Permit
Notes	

PROJECT EXPENDITURES & FUNDING

Expenditures & Funding Schedule						
Description	FY 2025-2026	FY 2026-2027	FY 2027-2028	FY 2028-2029	FY 2028-2029	Totals
Expenditures						
Construction Costs		\$ 1.29M				\$ 1,290,000
Engineering	\$ 225K					\$ 225,000
County Permits and Inspections	\$ 5K					\$ 5,000
Construction Management		\$ 10K				\$ 10,000
Land Acquisition and Easements						\$ -
Environmental CEQA	\$ 20K					\$ 20,000
Contingency						\$ -
Expenditure Totals	\$ 250K	\$ 1.30M				\$ 1,550,000
Funding						
Revenues	\$ 250K	\$ 1.30M				\$ 1,550,000
Grants						\$ -
Other						\$ -
Funding Totals	\$ 250K	\$ 1.30M				\$ 1,550,000

Topic: Public Hearing - Required Report on Public Health Goals

Date: May 29, 2025

Item For: Action

Submitted By: David Biagi, Production Superintendent

BACKGROUND

Section 116470(b) of California Health and Safety Code requires a water purveyor serving more than 10,000 service connections to prepare a Public Health Goal Report every three years, and to hold a public hearing sometime after the report is prepared, for the purpose of accepting and responding to public comment.

The triennial report compares the District's drinking water quality with Public Health Goals (PHGs) adopted by California Environmental Protection Agency's (CEPA's) Office of Environmental Health Hazard Assessment (OEHHA) and with Maximum Contaminant Level Goals (MCLGs) adopted by the United States Environmental Protection Agency (USEPA). PHGs and MCLGs are not enforceable standards and there are no mandates to meet them.

SUMMARY/DISCUSSION

Attached is the final draft report prepared by staff comparing the District's drinking water quality with PHGs adopted by the OEHHA and with MCLGs adopted by the USEPA based on Association of California Water Agencies (ACWA) guidelines. There were five (5) constituents: Arsenic, Tetrachloroethylene (PCE), Hexavalent Chromium, Uranium and Perchlorate included in the PHGs Report. The intent of the report is to provide information to the public in addition to the Annual Consumer Confidence Report (CCR), as attached in Attachment 2, available to each customer. As detailed in the annual CCR, the District's water system complies with all of the required health-based drinking water standards and maximum contaminant levels, and there are no recommendations for additional actions.

FISCAL IMPACT

N/A

RECOMMENDATION

Staff recommends that the Board of Directors open a public hearing to gather comments on the draft 2025 Public Health Goal Report, and if no significant changes, accept the attached Public Health Goal Report.

ATTACHMENT(S)

1. 2025 Public Health Goal Report, draft
2. 2024 Annual Consumer Confidence Report

**CARMICHAEL WATER DISTRICT
REPORT ON WATER QUALITY
RELATIVE TO PUBLIC HEALTH GOALS
JUNE 2025**

BACKGROUND

Provisions of the California Health and Safety Code, Title 22, Section 116470, specify that every three years water utilities larger than 10,000 service connections are required to prepare a special report if their water quality measurements have exceeded any Public Health Goals (PHGs). PHGs are non-enforceable goals established by the California Environmental Protection Agency's (EPA's) Office of Environmental Health Hazard Assessment (OEHHA). The law also requires that where OEHHA has not adopted a PHG for a constituent, the water suppliers are to use the Maximum Contaminant Level Goals (MCLGs) adopted by USEPA. Constituents with a California primary drinking water standard and for which either a PHG or MCLG has been set are to be addressed.

There are a few constituents that are routinely detected in water systems at levels usually well below the drinking water standards for which no PHG nor MCLG has yet been adopted by OEHHA or USEPA including Total Trihalomethanes. The District will address these constituents in a future required report after PHG adoption.

This report provides the information required by law for a detected constituent in Carmichael Water District's water supply between 2022 and 2024 at a level exceeding an applicable PHG or MCLG,. Included is the numerical public health risk associated with each constituent, the best treatment technology available that could be used to reduce the constituent level, and an estimate of the cost to install that treatment if it is appropriate and feasible.

WHAT ARE PHGs

PHGs are non-enforceable goals set by the California OEHHA, which is part of California EPA and are based solely on public health risk considerations. A PHG is the level that poses no significant health risk if consumed for a lifetime. None of the practical risk-management factors that are considered by the USEPA or the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW) in setting drinking water standards (such as MCLs) are considered in setting the PHGs. These factors include analytical detection capability, treatment technology available, and benefits and costs. The PHGs are not enforceable and are not required to be met by any public water system. MCLGs are the federal equivalent to PHGs.

WATER QUALITY DATA CONSIDERED

All of the water quality data collected by our water system in 2022-2024 for purposes of determining compliance with drinking water standards was considered. The 2022 and 2023 Consumer Confidence Reports, which were delivered to customers in June of 2023 and 2024, respectively, summarized data collected in 2022 and 2023. The 2024 Consumer Confidence Report is scheduled to be delivered in late June 2025. The Consumer Confidence Report also contains useful definitions for PHG, MCLG, MCL, microgram per liter, and milligram per liter.

GUIDELINES FOLLOWED

The Association of California Water Agencies (ACWA) formed a workgroup that prepared guidelines for water utilities to use in preparing this required report. We used the ACWA guidelines in preparing our report.

BEST AVAILABLE TREATMENT TECHNOLOGY AND COST ESTIMATES

Both the USEPA and California Division of Drinking Water (DDW) adopt what are known as Best Available Technologies (BAT), which are the best-known methods of reducing contaminant levels to the Maximum Contaminant Level (MCL). Cost can be estimated for such technologies. However, since many PHGs and all MCLGs are set much lower than the MCL, it is not always possible or feasible to determine what treatment is needed to further reduce a constituent downward to or near the PHG or MCLG, many of which are set at zero. Estimating the costs to reduce a constituent to zero is difficult. In some cases, installing treatment to try to further reduce very low levels of one constituent may have adverse effects on other aspects of water quality.

CONSTITUENTS DETECTED THAT EXCEED A PHG OR A MCLG

The following is a discussion of constituents that were detected in one or more of our drinking water sources at levels above the PHG, or if no PHG, above the MCLG:

Arsenic:

The PHG for Arsenic is 0.004 micrograms per liter (ug/L or parts per billion). The MCL or drinking water standard for arsenic is 10 ug/L. CWD detected arsenic levels not exceeding the MCL in the discharge from two (2) District Wells. The samples taken in 2023 were:

Willow Park Well – 2.5 ug/L
Winding Way Well – 2.9 ug/L

OEHHA has determined that the health risk associated with arsenic is an increased risk of cancer. Numerical health risk data provided by OEHHA determined the health risk associated with the PHG is one (1) excess case of cancer in a million people and the health risk associated with the MCL is two and a half (2.5) excess cases of cancer in 1,000 people over lifetime of exposure.

The BAT for arsenic is Activated Alumina, Coagulation/Filtration, Lime Softening, Ion Exchange and Reverse Osmosis. Of the technologies listed above, all are expensive and would require more extensive consultation beyond the scope of this report, but for purposes of this report, ion exchange will be selected. If ion exchange treatment were considered for the well discussed above the annualized capital and O&M costs could range from approximately \$299,000 to \$817,000 per year. That would result in an assumed increased cost for each customer ranging from \$25 to \$69 per year. Since the arsenic level is below the MCL the district will continue monitoring Willow Park Well for any changes in arsenic levels.

The cost to purchase additional land required for any of the chosen technologies would be estimated at \$1M.

Tetrachloroethylene (PCE):

The PHG for PCE is 0.06 micrograms per liter (ug/L or parts per billion). The MCL or drinking water standard for PCE is 5 ug/L. CWD detected PCE at discharges from three (3) District Wells. Two of the wells sampled exceeded the MCL in one of the twelve quarterly samples. The average of the quarterly samples taken at La Vista and Garfield Wells within the three-year period 2022-24 were:

La Vista Well – 2.6 ug/L
Garfield Well – 2.7 ug/L

The average of the samples taken at Winding Way Well within the three-year period 2022-24 was:

Winding Way Well – 1.7 ug/L

Six follow up samples are taken following the exceedance samples. The average of those follow up samples must be below the MCL to maintain compliance. The average of the six samples were:

La Vista Well – 3.4 ug/L
Garfield Well – 2.2 ug/L

OEHHA has determined that the health risk associated with tetrachloroethylene (PCE) is an increased risk of cancer. Numerical health risk data provided by OEHHA determined the health risk associated with the PHG is one (1) excess case of cancer in a million people and the health risk associated with the MCL is eight (8) excess cases of cancer in 100,000 people over a lifetime of exposure.

The (BAT) for PCE to reduce the level below the MCL is either Granular Activated Carbon (GAC) or Packed Tower Aeration. Since the PCE average levels at the two district wells are below the MCL, a GAC system would likely be required to reduce the levels below the PHG. It should be pointed out these are theoretical calculations and rough cost estimates. If GAC treatment were considered for the three (3) wells discussed above the annualized capital and O&M costs could range from approximately \$0.97 million to \$2.03 million per year. That would result in an assumed increased cost for each customer ranging from \$82 to \$172 per year. Currently the district proactively monitors all wells quarterly to measure any significant changes in PCE levels.

Hexavalent Chromium:

The PHG for Hexavalent Chromium is 0.02 micrograms per liter (ug/L or parts per billion). The MCL or drinking water standard for Hexavalent Chromium is 10 ug/L. CWD detected Hexavalent Chromium at levels not exceeding the MCL in the discharges from one (1) District Well. The sample taken at the well in 2024 was:

La Vista Well - 1.4 ug/L

OEHHA has calculated a cancer risk associated with exposure to Hexavalent Chromium if that exposure continues for an entire lifetime. Continual exposure to 0.045 nanograms per cubic meter (ng/m³) of Hexavalent Chromium from all sources combined for 30 years could increase cancer risk to 25 in a million. Exposure over shorter periods of time would be associated with much lower cancer risks.

The BAT for Hexavalent Chromium is Coagulation/Filtration, Ion Exchange and Reverse Osmosis. Of the technologies listed above, all are expensive and would require more extensive consultation beyond the scope of this report, but for purposes of this report, ion exchange will be selected. If ion exchange treatment were considered for the well discussed above the annualized capital and O&M costs could range from approximately \$301,000 to \$807,000 per year. That would result in an assumed increased cost for each customer ranging from \$25 to \$68 per year. Since the Hexavalent Chromium level is below the MCL, the District will continue monitoring La Vista Well for any changes in Hexavalent Chromium levels.

Uranium:

The PHG for Uranium (U) is 0.43 picoCuries per liter (pCi/L). The MCL or drinking water standard for Uranium is 20 pCi/L. CWD detected Uranium at levels not exceeding the MCL in the discharges from one (1) District Well. The sample taken at the well in 2023 was:

Barrett School – 2.8 pCi/l

OEHHA's August 2001, "Public Health Goals for Chemicals in Drinking Water: Uranium" summarizes the health effects observed from studies involving human exposure to high levels of U. Non-carcinogenic effects include kidney and liver disease. Lung cancer is the main type of cancer associated with exposure to high levels of U. USEPA has classified U as a "Class A" carcinogen, even though there is no direct evidence that it is carcinogenic in humans. The health effects discussed above appear to be associated with the emission of ionizing radiation from radioactive daughter products. The health effects language in Appendix 64465-C of Title 22, California Code of Regulations states that: "Some people who drink water containing uranium in excess of the MCL over many years may have kidney problems or an increased risk of getting cancer." The numerical health (cancer) risk for drinking water with U at the MCL is 5 in 100,000. The numerical health (cancer) risk for drinking water with U at the PHG is 1 in 1,000,000.

The BAT for Uranium is Coagulation/Filtration, Ion Exchange, Lime Softening and Reverse Osmosis. Of the technologies listed above, all are expensive and would require more extensive consultation beyond the scope of this report, but for purposes of this report, Reverse Osmosis will be selected. If Reverse Osmosis treatment were considered for the well discussed above the annualized capital and O&M costs could range from approximately \$229,000 to \$1.9 million per year. That would result in an assumed increased cost for each customer ranging from \$19 to \$161 per year. Since the Uranium level is below the MCL, the district will continue monitoring Barrett School Well for any changes in Uranium levels.

Perchlorate:

The MCL for Perchlorate is 6 ppb, the PHG is 1 ppb and the capability for laboratory detection level for reporting (DLR) is 1 ppb. Perchlorate both is naturally occurring and a man-made contaminant that is found in groundwater, surface water and soil. Perchlorate-based chemicals are also used in the construction of highway safety flares, fireworks, matches, pyrotechnics, explosives, and common batteries. CWD detected Perchlorate at levels not exceeding the MCL in the discharges from two (2) District Well. The average of the quarterly samples taken at Winding and Garfield Wells within the three-year period 2022-24 were:

Winding Way Well – 1.1 ug/L

Garfield Well – .32 ug/L

OEHHA has determined that perchlorate is associated with endocrine toxicity. However, OEHHA has not identified a cancer risk at the PHG.

The BAT for Perchlorate is Ion Exchange. The technology is expensive and would require more extensive consultation beyond the scope of this report, but for purposes of this report, Ion Exchange will be selected. If Ion Exchange treatment were considered for the well discussed above the annualized capital and O&M costs could range from approximately \$357,000 to \$976,000 per year. That would result in an assumed increased cost for each customer ranging from \$30 to \$83 per year. Currently the district proactively monitors all wells quarterly to measure any significant changes in perchlorate levels.

RECOMMENDATIONS FOR FURTHER ACTION

The drinking water quality of CWD meets all DDW, and USEPA drinking water standards set to protect public health. To further reduce the levels of the constituents identified in this report that are already significantly below the health-based MCLs established to provide “safe drinking water”, additional costly treatment processes would be required. The effectiveness of the treatment processes to provide any significant reductions in constituent levels at these already low values is uncertain. The health protection benefits of these further hypothetical reductions are not at all clear and may not be quantifiable. Therefore, no action is proposed.



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

Board of Directors

Division 1: Ron Davis
Division 2: Mark Emmerson
Division 3: Jeff Nelson
Division 4: Ron Greenwood
Division 5: Paul Selsky

2024 Consumer Confidence Report

Protect Our Source Water!!

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Dispose of medications properly; utilize medicine take-back programs.



About This Report

In 2024, as in years past, **Carmichael Water District** (District) met all U.S. Environmental Protection Agency (USEPA) and State Water Resources Control Board (State Board) drinking water health standards. Once again, we are proud to report that our system has not violated any maximum contaminant level (MCL) or any other water quality standards. This brochure is a snapshot of the District's 2024 water quality. Also included are details about where your water comes from, what it contains, and how it compares to State Board standards.

The District routinely tests for over 140 contaminants, both regulated and aesthetic, to ensure safe and healthy drinking water for our customers. While the District is required to list in this Consumer Confidence Report only those contaminants that were detected above the reporting levels, a complete listing of all tested constituents, as required by state and federal regulations, is available in the District's 2024 Annual Water Quality Report which is available on our website, www.carmichaelwd.org or at our main office.

High Quality Drinking Water is Carmichael Water District's Top Priority

Demonstrating their commitment to public health protection and the public's right-to-know about local environmental information, the USEPA and the State Board require water suppliers to provide annual drinking water quality reports to its customers. This publication summarizes the most recent testing and includes a comparison of detectable contaminants in your drinking water against established federal and state standards.

This year's report concludes that, once again, your drinking water meets or exceeds all federal and state drinking water standards.

Carmichael Water District 2024 Consumer Confidence Report

This report contains important information about your drinking water.

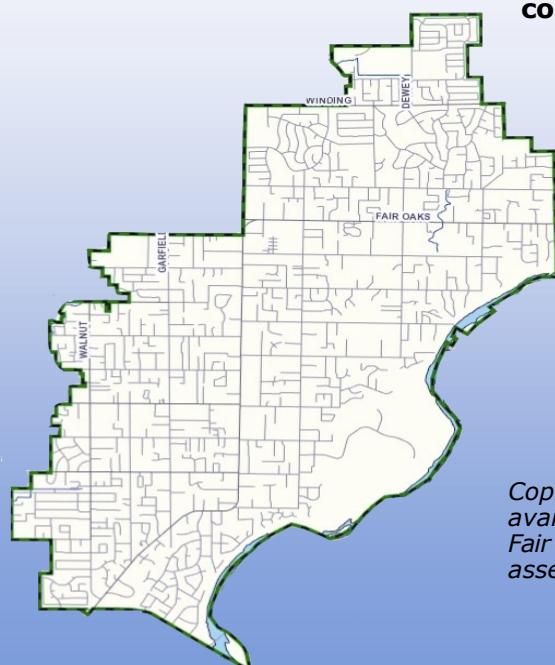
Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Public Meetings

The Carmichael Water District Board of Directors typically meets at 6:00 pm on the third Monday of each month at the Carmichael Water District office. Meeting dates and times are posted at our website. The public is welcome to attend.

Water Efficiency

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Our website, www.carmichaelwd.org, is the best place for information regarding tips and our free water efficiency programs. If you prefer you can call our office at (916) 483-2452.



Copies of the complete Source Water Assessment and Sanitary Survey are available for inspection at the Carmichael Water District (District) office, 7837 Fair Oaks Blvd., Carmichael, CA, 95608. You may request a summary of the assessment be sent to you by contacting the District at (916) 483-2452.

Where Does Our Water Come From?

The District's approximately 44,000 customers receive on average 75 percent of their water from the American River (surface water) and 25 percent from District's groundwater wells during normal water supply conditions. During drought years, and when subject to surface water curtailments, the District relies more heavily on groundwater supplies than surface water. The District's current groundwater sources are from 4 primary wells. The wells are operated seasonally, May through September. Our water is tested for more than 140 contaminants on a regular basis. Water samples are subject to the most up-to-date testing methods and then are retested for accuracy. Samples are then measured against state and federal standards to ensure quality.

The State Board requires water providers to conduct a Source Water Assessment to help protect the quality of future water supplies. This assessment describes where a water system's drinking water comes from, the types of polluting activities that may threaten source water quality and an evaluation of the water's vulnerability to those threats.

Groundwater and Surface Water Assessment

To meet the State Board requirements and provide our customers with information about our water supply, the District completed the American River Watershed Sanitary Survey in 2023.

The results indicate that our surface water source, the American River, is considered most vulnerable to contamination from sewer system spills, body contact, recreation, erosion, urban runoff and industrial discharge of regulated and unregulated contaminants.

The groundwater sources are considered most vulnerable to contamination from illegal activities and unauthorized dumping, sewer collection systems, dry cleaners, automobile repair shops, chemical/petroleum pipelines, electrical/electronic manufacturing, underground storage tanks and gas stations. The contaminants to which groundwater sources are considered most vulnerable include the following: dry cleaning solvent (PCE), gasoline additive (MTBE), liquid rocket fuel (NDMA), and rocket fuel propellant (perchlorate) originating from the Aerojet Rocketdyne (Aerojet) superfund site. Aerojet is under the joint regulatory oversight of the USEPA, California Department of Toxic Substance Control and the California Regional Water Quality Control Board.

What's In Our Water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at 1-800-426-4791.

The sources of drinking water, both tap and bottled water, include: rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (U.S. EPA) and the State Water Resources Control Board (State Water Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations and California law also establish limits for contaminants in bottled water that provide the same protection for public health.

Contaminants that may be present in source water (pre-treated water) include:

- **Microbial constituents**, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- **Inorganic constituents**, such as salts and metals, that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- **Pesticides and herbicides**, that may come from a variety of sources such as agriculture, urban storm water runoff and residential uses.
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff and septic systems.
- **Radioactive constituents**, that can be naturally-occurring or be the result of oil and gas production and mining activities.

How to Read the Table:

1. Identify constituent in the left column.
2. Compare the detection range and averages to the Maximum Contaminant Level (MCL) and the Public Health Goal/Maximum Contaminant Level Goal (PHG/MCLG).

Table Definitions:

Maximum Contaminant Level (MCL) – The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG) – The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) – The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Primary Drinking Water Standards (PDWS) – MCLs and MRDLs for contaminants that affect health, along with their monitoring and reporting requirements, and water treatment requirements.

Public Health Goal (PHG) – The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Regulatory Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Secondary Drinking Water Standards (SDWS) – MCLs for contaminants that affect taste, odor or appearance of the drinking water. Contaminants with SDWS do not affect health at the MCL levels.

Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.

Not Applicable (N/A)

None Detected (ND) – Analyzed, not detectable at testing limit.

Water Quality Measurement Units:

Micromhos – A measure of the ability of water to conduct electricity.

NTU (Nephelometric Turbidity Units) – A measure of water's clarity. Turbidity in excess of 5 NTU is just noticeable to the average person.

ppb (parts per billion) – A measurement of the concentration of a substance roughly equivalent to one drop in one of the largest tanker trucks used to haul gasoline or one part in 1,000,000,000.

ppm (parts per million) – A measurement of the concentration of a substance roughly equivalent to 4 drops in 55 gallons or one part in 1,000,000.

pCi/L (picocuries per liter) – A measure of radioactivity.

Lead and Copper (30 Sites Sampled 8/2024)

Constituents	Unit of Measure	AL	PHG	90th Percentile	No of sites exceeding AL	Typical Source
Copper	ppm	1.3	0.3	.092	0	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead	ppb	15	0.2	ND	0	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits

Detected Primary Drinking Water Constituents

Constituents	Unit of Measure	MCL or [MRDL]	PHG or [MCLG]	Surface Water Average	Ground-water Range	Ground-water Average	Typical Source
Microbiological Constituents (2024)							
Turbidity, percent of time less than 0.1 NTU (a)	NTU	TT=95% of sample <0.1	N/A	100%	N/A	N/A	Soil Runoff
Turbidity, max level found (a)	NTU	TT	N/A	0.02	ND-0.22	0.07	Soil runoff
Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.							
(a) only surface water sources must comply with PDWS for turbidity							
Radioactive Constituents (2023)							
Gross Alpha Activity*	pCi/L	15	0	ND	ND-1.83	0.89	Erosion of natural deposits
Uranium*	pCi/L	20	0.43	ND	ND-2.8	0.70	Erosion of natural deposits
Inorganic Constituents (GW 2023 SW 2024)							
Arsenic	ppb	10	0.004	ND	ND-2.5	0.625	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium	ppm	1	2	ND	ND-0.18	0.08	Erosion of natural deposits
Cyanide	ppb	150	150	ND	ND - 6.9	1.73	Discharge from steel/metal, plastic and fertilizer factories
Nitrate (as N)	ppm	10	10	.24	ND - 4.6	1.3	Runoff and leaching from fertilizer use; leaching from septic tanks; erosion of natural deposits
Hexavalent Chromium	ppb	10	.02	.097	ND - 1.4	.35	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
*Surface water samples collected in 2024. Groundwater samples collected in 2023 except when indicated.							
Organic Constituents (2024)							
Tetrachloroethylene (PCE)	ppb	5	0.06	ND	ND-4.1	2.3	Discharge from factories, dry cleaners and auto shops (metal degreaser)
Detected Secondary Drinking Water Constituents (regulated for aesthetic qualities)(2023)							
Odor-Threshold	TON (units)	3	N/A	1.8	ND	ND	Naturally-occurring organic materials
Total Dissolved Solids	ppm	1000	N/A	47	120-330	205	Runoff/leaching from natural deposits
Specific Conductance	micromhos	1600	N/A	53	130-440	260	Substances that form ions when in water
Chloride	ppm	500	N/A	1.9	2.5-25	9.6	Runoff/leaching from natural deposits
Manganese	ppm	.05	N/A	N/D	N/D - .085	.021	Leaching from natural deposits
Sulfate	ppm	500	N/A	1.8	3.5-16	8.3	Runoff/leaching from natural deposits; industrial wastes
Other Unregulated Constituents of Interest (2023)							
Sodium	ppm	N/A	N/A	2.3	6.0-17	10.1	Naturally occurring salt in the water
Alkalinity	ppm	N/A	N/A	24	69-170	119	Indicates the buffering capacity in the basic pH range of the water
Calcium	ppm	N/A	N/A	5.2	10-45	25	Erosion of natural deposits
Hardness	ppm	N/A	N/A	20	53-210	121	The sum of polyvalent cations present, generally naturally occurring magnesium and calcium
Magnesium	ppm	N/A	N/A	1.8	6.5-23	14	Erosion of natural deposits
Organic Samples from the Distribution System (2023)							
Constituents	Unit of Measure	MCL or [MRDL]	PHG or [MRDLG]	Range	Average	Typical Source	
Chlorine Residual	ppm	[4]	[4]	0.34-1.26	0.91	Drinking water disinfectant added for treatment	
TTHM (Total Trihalomethanes)(b)	ppb	80	N/A	9-30	16	By-product of drinking water disinfection	
HAA5 (Haloacetic Acids)(b)	ppb	60	N/A	5.6-14	9	By-product of drinking water disinfection	
TOC (Total Organic Carbon) (c)	ppm	TT	N/A	N/A	0.77	Various natural and manmade sources	
(b) based on the running annual average, (c) raw water							



Per- and Polyfluoroalkyl Substances (PFAS) - What Are They?

Per- and polyfluoroalkyl substances (PFAS) are a large, complex group of synthetic chemicals that have been used in consumer products around the world since about the 1950s. Known for their resistance to heat, oil, stains, and water, PFAS are found in many common household products such as nonstick cookware, furniture, clothing, carpets, cosmetics, and food packaging. Concerns about the public health impact of PFAS have arisen for the following reasons: widespread occurrence, numerous exposures, persistent, and growing numbers. The District has monitored for PFAS in 2024 under UCMR 5. An explanation of UCMR 5 and the results can be found below.

Special Health Information:

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons (such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly and infants) can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. Carmichael Water District is responsible for providing high-quality drinking water and removing lead pipes, but it cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter certified by an American National Standards Institute accredited certifier to reduce lead is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact CWD at (916) 483-2452

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

Lead Service Line Inventory:

State Water Resource Control Board, in alignment with the U.S. Environmental Protection Agency (US EPA), enforces the Lead and Copper Rule (LCR). The US EPA recently made changes to the LCR with the Lead and Copper Rule Revisions (LCRR). To ensure public water systems are reducing lead exposure to their customers, the US EPA is requiring all large public water purveyors to complete an Initial Lead Service Line Inventory (Initial LSL Inventory). The objective of the Initial LSL Inventory is to determine if there are any lead pipes in the water distribution system on both the public and customer (private) portions. This inventory must be completed and submitted by October 16, 2024. The District has completed the Lead Service Line Inventory and has met the October 2024 deadline. Results from the LSL Inventory found that there were no lead service lines in the district.

Lead service line information can be found on our website at:

<https://carmichaelwd.org/201/Lead-Copper-Testing>

Sodium and Hardness:

Sodium is a naturally occurring chemical element that is present in our source water. The level of sodium measured was 2.3 ppm from our surface water source and an average of 10 ppm from our groundwater source.

Hardness of the water in our system depends on the seasonal source of supply and your service location within the District. The level of hardness measured during fall and winter was 20 ppm which classifies the water in the "soft" category based on water quality standards. During spring and summer when we supplement with groundwater, the hardness ranges from 53

Detected Primary Drinking Water Constituents:

The District takes hundreds of water samples annually in order to determine the presence of any constituents. This is a table of **detected constituents**. The intent is to give you an idea of where the District stands with regard to water quality standards set by the State Board and the USEPA. The State Board allows us to monitor for some constituents less than once per year because the concentrations of these constituents do not change frequently. Some of our data, though representative, are more than one year old.

Fifth Unregulated Contaminant Monitoring Rule:

The Safe Drinking Water Act (SDWA) mandates that the Environmental Protection Agency (EPA) publish a list of unregulated contaminants for monitoring by public water systems (PWSs) every five years. The fifth Unregulated Contaminant Monitoring Rule (UCMR 5) was issued on December 27, 2021. UCMR 5 requires the collection of samples for 30 chemical contaminants between 2023 and 2025, using analytical methods developed by the EPA and consensus organizations.

In line with the EPA's PFAS Strategic Roadmap, UCMR 5 aims to provide new data that will enhance the agency's understanding of the occurrence and levels of 29 per- and polyfluoroalkyl substances (PFAS) and lithium in the nation's drinking water systems. This monitoring data will assist the EPA in determining future regulations and actions to protect public health under the SDWA.

For UCMR 5, samples will be collected at entry points to the distribution system for all contaminants. Public water systems drawing from groundwater that is directly influenced by surface water must be monitored four times during a consecutive 12-month period, with sample collections occurring three months apart. Groundwater systems, on the other hand, must be monitored twice during the same 12-month period, with sample events occurring five to seven months apart.

Carmichael Water District contracted with BSK Associates to conduct the UCMR 5 sampling. Sampling was completed in January of 2025. All active sources returned results of non-detect for the 30 constituents.

Sample results can be found in the 2024 Annual Water Quality Report on the District's web site.

<https://carmichaelwd.org/>



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Topic: Monthly Informational Update for the La Vista Tank and Booster Pump Station

Date: June 4, 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 perimeter walls and Booster Pump house as well as pipe connection that will be within the pump house.

Toppel consulting coordinated four weekly meetings since last month's report, processed RFIs, scheduled special inspections for grout and reinforcement steel in the perimeter and pump house walls, and tracked progress. The project is on schedule based on approved overall schedule and contract terms.

There has been two change orders since last month's report. The new change orders are outlined in the Toppel Consulting Monthly Report as #35 and #36 (See attached) for a total of \$9,575.37, within the Board's approved total change order amount of \$75,000, approved in April 2025.

The District executed Amendment 2 per the Board's approval with Kennedy-Jenks to extend their Engineering-Services-During-Construction contract to the end of the project.

ATTACHMENT(S)

1. Toppel Consulting Monthly Report.
2. Three week look ahead provided by KKI.

Carmichael Water District

PROJECT UPDATE

Date: 05/30/25
Project: La Vista Tank Replacement
CWD: Greg Norris
Construction Manager: Adam Boje
Project Architect: Kennedy Jenks
Contractor: Koch & Koch Construction

Project Start Date: 09/20/21
Project Duration: 600 cal days
Project Completion Date (orig): 05/12/23
Project Completion Date (rev): 05/23/26 **Date is on Schedule**

Bid Amount:	\$8,381,907.00
Total Contract Amount:	\$8,381,907.00
Change Orders Thru CO#36	\$1,911,947.70
Revised Contract Amount:	\$10,297,298.00

CHANGE ORDERS

Approved COR's	Approved Amount	Description
No. 1	\$7,000.00	WDC 04-Ringwall Footing Excavation
No.2	\$19,696.77	Frontage Bond/Tank Removal/Drawings Changes
No.3	\$24,697.60	Fire Hydrant Laterals 3/30/22 Revision RFI 028
No.4	\$7,480.00	CMU Wall Conflict with AT&T Vault Apron RFI 041
		RFI 20 Conflict w/service Laterals/Additional 45's
No.5	\$25,641.22	@Robertson Tie-in
No.6	\$6,702.88	RFQ 003 Additional 16" BFV
No.7	\$19,591.97	RFI 020 Potholing WDC's 05/06/07
No.8	\$4,311.05	RFI 057 Abandon near Marconi Tie-in
No.9	\$6,038.60	RFI 042 FH Lateral Vertical Clearances
No.10	\$12,909.62	Unsuitable Subgrade Material Marconi Ave SDMH
		Concrete Thrust Block (@ existing 12" AC Waterline Tee
No.11	\$1,378.95	Fitting STA 18+08)
No.12	(\$10,000)	FRI 48 Tank Floor Underside Primer
No.13	\$13,712.85	RFI 11 Wet Subgrade Material
No.14	\$1,528.26	RFQ 005 Vapor Retarder Beneath Chemical Feed Room
No.15		Delayed Start Claim (letter from KKI dated May 23,2022)
No.16	\$636.74	RFI 54 SWBD & Generator Load Bank Pads
		RFQ 006 Hypochlorite Feed Pump Discharge Flow Switch
No.17	(\$1,559.80)	FSL-303 Deletion
No.18		Weather Delay Claim
No.19	\$6,397.23	RFQ 004- SMUD & Electrical Changes
No.20	\$3,140.73	RFQ 007 Attic Vents
No.21	(\$2,500.00)	RFI 72 Tank Adhesion Testing and RFI8- Tank Exterior
No.22	\$3,777.34	Holiday Testing
		RFI 89 Existing Tank Connections

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No.23	\$26,941.79	WDC-09 Covering of Known PCB Tank Coating & WDC 10 Baker Tank & Pumps Procurement
No.24	\$14,458.50	WDC-09 Covering of Known PCF Tank Coating (Associated costs for Standard Demolition excavator stand-by)
No.25	\$31,049.32	WDC-10 Baker Tank & Pumps Procurement (Additional costs for monitoring site/tanks/pumps)
No.26	\$339,017.03	WDC-11 Existing Tank Off-Hauling
No.27	\$15,711.18	WDC-12 Additional Baker Tank Procurement
No.28	\$6,537.21	WDC-13 Baker Tank Water Disposal
No.29	\$1,466.72	WDC-14 Baker Tank Water Quality Testing
No.30	\$19,039.97	WDC 15 – 21K Gallon Baker Tank Water Disposal
No.31	\$34,767.31	Generator Warranty Preservation Services
No.32A	\$1,391,614.16	Other, Sub Matrl Increases, Anticipated Increases (Reinstatement Agreement)
No.32B	(\$147,000.00)	Credit for Asphalt (Reinstatement Agreement)
No.33	\$3,272.77	COR FI3R1 Redig Electrical Trench
No. 34	\$18,357.66	F.I.2R1 Temp Elec for Cathodic Protection. WorkSmart Automation. Building Pump Station Footing Changes per RFI 122
No. 35	\$6,132.07	F.I.1 Work Required for Remobilization
No. 36	\$3443.30	Sewer Line connection changes
Total Approved COR's		
	\$1,911,947.70	

<u>Change Order Costs Pending, or Currently Under Review</u>	<u>Submitted Amount</u>	<u>Description</u>

Total COR Costs Pending

Total Submitted Value

Project Description:

The proposed work consists of construction of improvements to La Vista Tank and Booster Pump Station site and adjoining access road, but not limited to, demolition of existing water storage tank and pump station, replacement of the existing well pump and piping, and construction of a new 3.0 MG welded steel water storage tank and aboveground booster pump station, standby generator, electrical work, instrumentation and controls, and site improvements including concrete masonry unit wall, site grading, paving, drainage, yard piping, painting, and water transmission mains and storm drain along La Vista Avenue. Project earthwork is unbalanced and requires disposal of unsuitable material and importation of suitable material for engineered fill as set forth in the Contract Drawings and Technical Specifications.

Project Phase:

Schematic Design Phase
Design Development Phase
Construction Document Phase

Bidding Phase
Construction Phase
Closeout Phase
Warranty Phase
Other

TOPPEL CONSULTING, INC

La Vista Tank and Booster Pump Station

PROJECT UPDATE

Project Status as of: **05/30/25**

Sitework Systems:

- CMU Fence wall completed.
- Sidewalk surrounding Booster Pump Station poured.
- Booster Pump Station Housekeeping Pads poured.
- Booster Pump Station Piping commenced.

Outstanding Issues:

- 1) None This Period

Current and Anticipated Delays:

- 1) None This Period

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CMU Wall Entrance



CMU Wall East Perimeter



CMU West Perimeter



Booster Pump Station Piping



TOPPEL CONSULTING, INC

Booster Pump Station Sidewalk



South wall alongside neighbor



ATTACHMENT 2

Work To Be Performed		6/2/25-6/22/25																											
		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	21	22
		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	X																							
CMU BPS									X	X	X	X	X			X	X	X	X				X	X	X	X			

General Manager's Report

June 2025

1. FY 26 Community Project Funding Request

Congressman Bera included the District's Ranney Collectors Well Screens Replacement Project, in the amount of \$3.5M, among the five projects he selected for the FY 26 Community Project Funding Request.

2. Water Forum Agreement (WFA)

As reported to the Board previously, the draft Water Forum Agreement 2050 is ready for comment. This updated agreement will address new and evolving conditions:

- **Climate Change:** With hotter, drier periods punctuated with more intense rainfall, water storage, particularly at Folsom Reservoir, is under increased pressure.
- **Environmental & Fisheries:** Ongoing threats to salmon and steelhead populations require continuous habitat enhancement and careful management of water flows and temperatures.
- **Groundwater Management:** The Sustainable Groundwater Management Act (SGMA) now guides local groundwater management, taking the place of many components in the original agreement.
- **Water Supply:** The risk of "dead pool" conditions at Folsom Reservoir highlights the need for more diversified water supply portfolios.
- **Water Conservation:** New state regulations require significantly more demand management.
- **Regulatory Pressures:** Growing state regulations present increased challenges and costs for local water providers.
- **Water Affordability:** Rising costs and reduced water demand put pressure on water affordability, requiring cost-effective solutions.

These sections build upon elements from the original agreement, adapting them to meet the region's evolving needs. Water Forum 2050 will reaffirm the coequal objectives of water supply reliability and environmental stewardship. It restructures the agreement into four program areas: American River Flows and Operations, American River Corridor Health, Regional Water Supply Sustainability, and Governance, Funding & Administration.

A significant new initiative under Water Forum 2050 is the American River Climate Adaptation Program (ARCAP). This program aims to provide reliable, regionally developed water to support the lower American River and local communities. One of ARCAP's goals is to increase Folsom Reservoir's storage during low-water conditions,

which would lower river temperatures – beneficial for fish and wildlife – while also reducing the risk of “dead pool” conditions at Folsom Reservoir. ARCAP is an example of a proactive solution for both water supply and ecosystem health.

3. Congressman Bera Town Hall Meeting

Staff attended Congressman Bera's in-person townhall meeting on June 2, 2025 at Citrus Heights Event Center. Mr. Ken Coolidge was the moderator to assist in answering questions. Unfortunately, the event was disrupted and a majority of the time was taken over by protesters objecting the Israeli/Palestinian conflict in Gaza. Many questions and comments were also focused on national politics and the lack of efforts by Democratic leaderships.



4. Leadership Alignment for Strategic Plan

District's senior managers met with a consultant from Strategic Edge to further develop the vision and values for the Strategic Plan. There will be 1 to 2 more meetings to develop plan's action items.



5. Carmichael 4th of July Parade

The District will participate in Carmichael 4th of July Parade. All Directors are welcome to participate.

CARMICHAEL WATER DISTRICT

June 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. The WaterSmart Grant has been extended an additional year from 6/30/25 to 6/30/26 and the District has received \$1.6M+ in grant reimbursement. Picture below shows the current status of the facility.



SCADA Project: An RFP for a Progressive Design Build process has been developed and is prepared for release in June.

Garfield Well Backup Generator Project: SMUD has scheduled in June to install a new transformer and service to the site as required by the new electrical equipment that will be installed. 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. The Bid opening was held on Tuesday May 27, 2025 at the District Corporate Office. Three bids were received and the apparent low bid was from Flowline. See table below for bid comparison.

Company	Bid Amount (\$)
Flowline Contractors, Inc	\$3,858,254.40
LaFleur Engineering, Inc.	\$3,950,645.00*
Teichert Construction	\$4,287,388.00
Engineer's Estimate	\$3,367,615.00

**Bid total revised to account for incorrect calculation made by bidder on submitted bid form. Refer to Attachment*

Winding Way ASR Well Project: Well construction is complete and the site is ready for topside development. Currently, the District has hired Rawles Construction through its On-Call Services contract to relocate the power service for the District owned residence on Charleston Avenue from overhead to underground. During well construction, the service to the house had to be removed to provide site access for high profile well drilling equipment. Rather than re-connecting the overhead service, the District elected to put a portion of the service underground to provide easier future access for high profile equipment, if needed. Pictures below show installation of conduit for buried electrical service.



Ladera ASR Well Project: Construction is complete and the site is ready for topside development.

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

MISCELLANEOUS

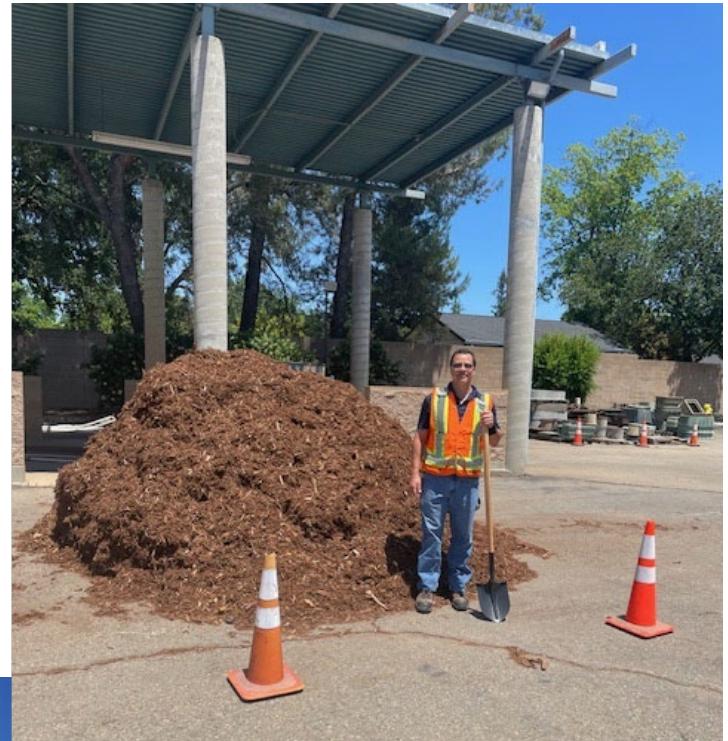
Turf Replacement: With the 6 month time extension for the WaterSMART grant with USBR to December 31, 2025, staff are working with 5 additional customers who are interested in the program.

Nature Fest: The District attended the Nature Fest event held annually at the Effie Yeaw Nature Center on Sunday June 8, 2025. District staff provided information to District customers and other attendees regarding water conservation. More information to be provided in the next Engineering Report.



Mulch Mayhem: This public outreach event is an annual event that the Carmichael Water District participates in along with other Water Districts within the Region. This year the Mulch Mayhem event was held on Saturday May 17, 2025 at the District's Corporation Yard on Fair Oaks Blvd in Carmichael, CA. The District ordered 75 cubic yards from a landscaping material supply company. Customers picked up the mulch between 8am and 12 pm. About 70 cubic yards were given away to Carmichael residents to promote water conservation by maintaining soil moisture using a ground cover such as mulch. The picture below shows David Flores, the District's Water Efficiency Specialist in front of the remaining 5 cubic yards of mulch that was left over from the event, but will be put to good use on District property. David worked out the logistics to create a successful event and was the lead coordinator in distributing mulch to the customers.

The flier for the Mulch Mayhem event is below along with the webpage announcement:
<https://bewatersmart.info/mulch-mayhem/>





FREE MULCH Available for Pick-Up
Mulch available for customers of hosting agencies

Saturday, May 17, 2025
8 a.m. to 12 p.m. (or while supplies last)

Carmichael: Carmichael Water District
7837 Fair Oaks Blvd. in Carmichael
Hosted by Carmichael Water District
Bring a shovel, container or tarp, and a means to haul away
Info: (916) 483-2452 or carmichaelwd.org

Roseville: Parking Lot – Foothills Blvd.
Entrance located at 9100 Foothills in Roseville
Hosted by the City of Roseville
Open truck and trailer fill only—no shovels required
Info: (916) 774-5761 or roseville.ca.us/mulchmayhem

Limit 1 yard per customer
(enough to fill a pick up truck)

- For personal use only; not for resale or commercial use
- First-come, first-served until supplies are gone
- Contact hosting water providers for additional details

Rocklin: Sierra College, Overflow Lot
Corner of Rocklin Rd. and El Don Dr.
(opposite the campus) in Rocklin
Hosted by Placer County Water Agency,
the City of Lincoln, and San Juan Water District
Self-loading station (hand shovel) or truck/trailer fill available
Info: (530) 823-4850 or pcwa.net

Sacramento: SSWD Facility
917 Enterprise Dr, Sacramento, CA 95825
Hosted by Sacramento Suburban Water District
Bring a shovel, container or tarp, and a means to haul away
Info: (916) 972-7171 or sswd.org

Sacramento: Sacramento Marina
2710 Ramp Way (enter from Front Street)
Hosted by the City of Sacramento
Bring a shovel, container or tarp, and a means to haul away
Info: (916) 808-5605 or SacWaterWise.com



Be
WATER
SMART
Regional Water Authority

More information at BeWaterSmart.info/mulch-mayhem

Customer Feedback

The following email was received from a customer via the District's on-line request form regarding the recent assistance from David Flores, Water Efficiency Specialist.

From: noreply@civicplus.com <noreply@civicplus.com>
Sent: Tuesday, June 3, 2025 3:55 PM
To: Web Mail (Webmail user) <mail@carmichaelwd.org>
Subject: Online Form Submittal: Contact Us - Carmichael Water District

Contact Us - Carmichael Water District

Name	Michael Agron
Contact Preference	Either
Email Address	mikehAgron@gmail.com
Phone	9168XXXXX3
Address	5XXX Clarendon Way
Your Message	I just want to express my appreciation for one of your service technicians by the name of Dave, who came to my property last week to help identify why my water usage was unusually high. He was not only pleasant, knowledgeable but sincerely interested in helping reset my automated water sprinkler timer as well as providing other helpful tips. I hope this appreciation of his service gets routed to your management chain, as he's a real asset to your district's customers. Thanks, Mike

Email not displaying correctly? [View it in your browser.](#)

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

In comparison to April's Billing, there was an Increase of 51% in Billing Units and Total Billing was up 19%. Year to date Billing Units were 10% higher overall than last year, and Total Billing was 14% higher.

BILLING ACTIVITY				FY 24-25	FY 23-24		Previous Year Billing Totals % Difference
Billing Period	Billing Units*	Usage Charges	Service Charges	Billing Totals	Billing Totals	Billing Units*	
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%
April	215,800	\$ 533,026	\$ 898,656	\$ 1,431,682	\$ 1,191,150	163,201	20%
May	326,918	\$ 807,488	\$ 898,456	\$ 1,705,944	\$ 1,478,165	289,076	15%
YTD Totals	3,199,702	\$ 7,431,525	\$ 9,414,554	\$ 16,846,078	\$ 14,808,624	2,915,597	14%

* 1 Unit = 100 CCF (Centum Cubic Feet) = 748 Gallons.

Billing Units are based on current meter reading period, i.e., Current Billing Period = 3/25/25 – 4/23/25, and may differ from Production reported numbers due to the meter read billing cutoff dates.

COLLECTIONS: Processed & Total Outstanding A/R Amounts

All seven of the properties currently off are vacant. The Total 61-90 Days column displays the delinquent amounts that will be targeted on June'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 1,194 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
April	1	10	5	\$ 2,239	\$ 14,272	\$ 142,051
May	1	7	7	\$ 3,186	\$ 14,645	\$ 149,992

* APS = Alternative Payment Schedule

** Includes Total Liened and 61-120 Days Amounts

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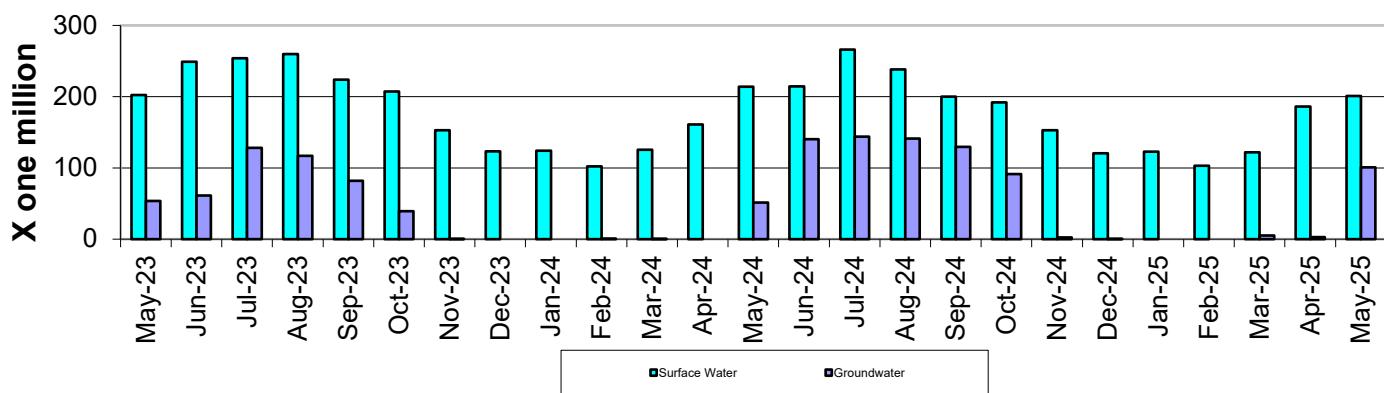
CARMICHAEL WATER DISTRICT
Production Superintendent, DAVID BIAGI
May 2025 Water Production Board Report



Treated Water Pump Room

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	188.90	302.12		2519	7729
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	169.79	269.17	335.35	2692	8261
Daily	12.14	11.73	10.33	8.13	5.19	3.93	3.70	3.95	4.17	5.66	8.68	11.18		

CWD Combined Surface & Ground Water Usage



May CWD Total Production		MG
Surface Water	67%	201.108
Groundwater	33%	100.987

Production	Up/ Down	Month	Up/ Down	10-Year Running Average
Production from same month last year	Up	14%	Up	12%
May 2025 Average Daily Production		9.75 MG		
Peak Day – May 31st		11.81 MG		

GSWC Delivery: CWD delivered 139.570 MG or 428.32 Acre/Ft to GSWC in May.

There were seven (7) water quality complaints in May. Each complaint was promptly investigated, and the area was thoroughly flushed when necessary.

Water Quality Activity

- ✓ Taste & Odor: 4
- ✓ Color: 2
- ✓ Turbidity (Air): 1
- ✓ Suspended Solids: 0
- ✓ Low Pressure: 0

Backflow Devices Tested

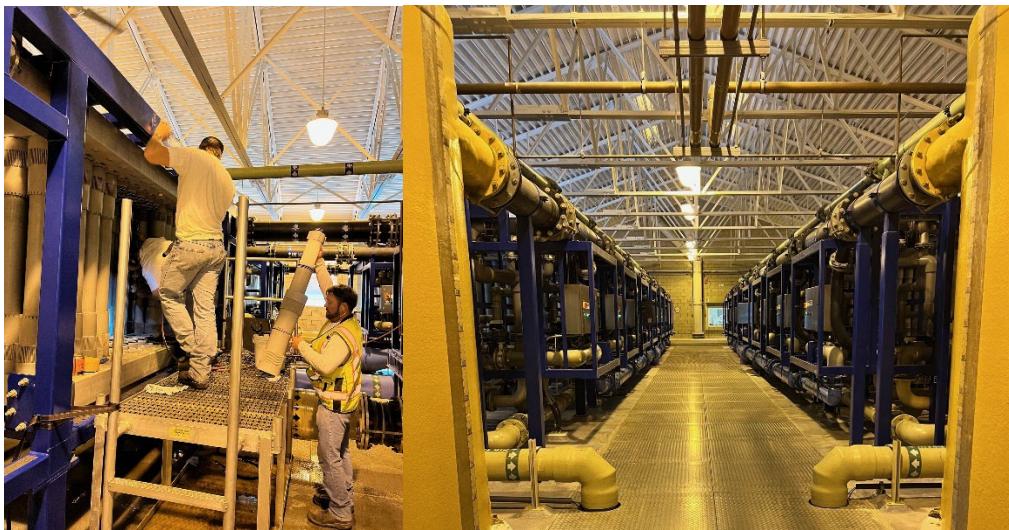
- ✓ Tested: 34
- ✓ New Devices: 0
- ✓ Failed Tests: 1

Maintenance Activity

- ✓ Secondary Cl₂ CIP: 1
- ✓ Instrument Calibrations: 7
- ✓ Module Install: 45
- ✓ Module Repair: 47
- ✓ Valve Repair: 6

Filtration Skid Maintenance: The production staff has continued to work diligently to keep the filtration skids running efficiently and within the technical specifications. There are 90 filters in each skid, and each filter contains 20,000 fibers. Integrity tests, called Pressure Decay Tests (PDT), are initiated every 24 hours of runtime on each skid. The results are monitored to judge the health of the membranes and will be used to trigger maintenance on the skid. The PDT scale ranges from .08 psi on newly installed filters to 1.0 psi, which is the upper limit of our operating permit. As the PDT number rises, staff will conduct sonic tests, listening to individual filters for noise caused by broken fibers and worn O-rings. Once it is determined that a filter is deteriorating, it must be removed for maintenance. Pinning of broken fibers and replacement of worn O-rings will restore the integrity of the individual filter and, in turn, reduce the PDT value of the Filtration Skid. There are sixteen valves and actuators on each skid; repair and replacement of valves are also key to maintaining proper functionality. Valve seals will wear out over time, causing leaks that can affect the PDT. Actuators need to be rebuilt as components wear and cause air to bypass.

Maintenance on the primary filtration gallery is a priority and a daily responsibility for our water treatment operators.



American River Flows: As summer demand has increased, the production staff is closely monitoring the inflow to the plant as well as water levels at the Ranney collectors and the raw water cassin. Throughout May, releases from the Folsom Dam remained steady at 3,500 cubic feet per second (CFS), and the daily surface water production averaged 11 million gallons. However, on May 29th, the flow from the Folsom Dam was reduced to 2,500 CFS, causing our four-day average production to decline to 10.3 million gallons. Currently, water levels in the Ranney collectors and raw water cassin are approaching their lower pumping limits during peak demand. To reduce demand on the treatment plant during peak hours and to fill the La Vista Reservoir, district groundwater wells are being utilized. Our staff will continue to maximize the use of surface water while strategically utilizing groundwater to maintain stable aquifer levels.

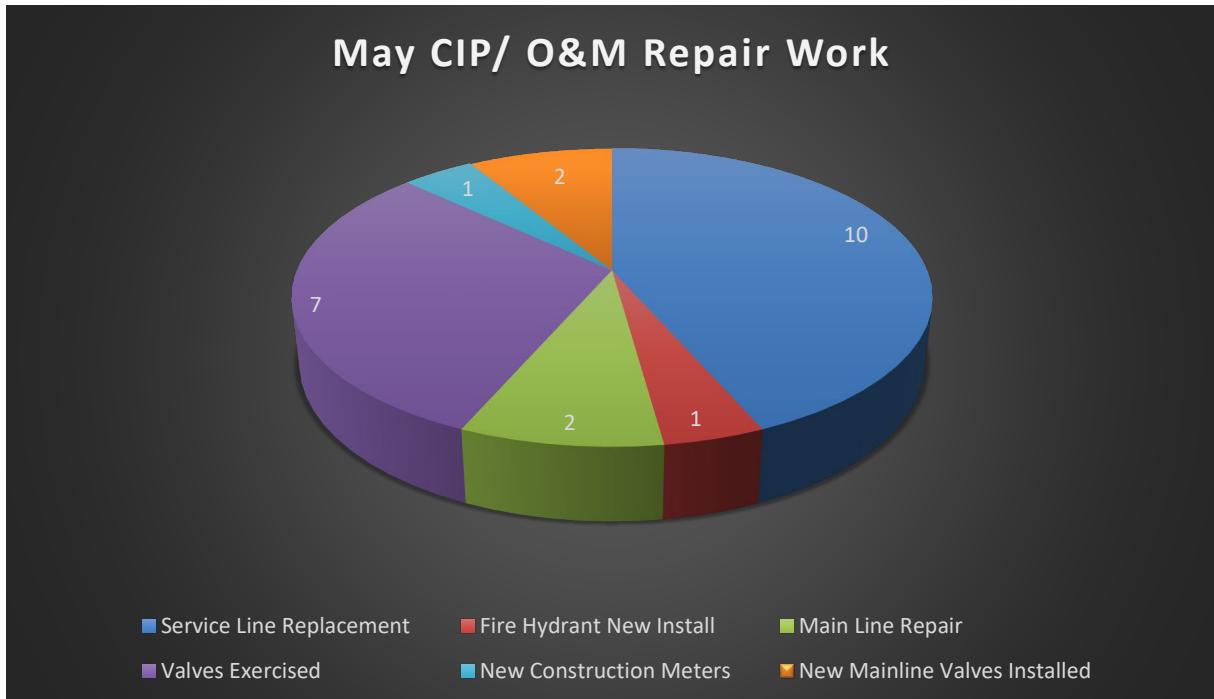
In June, the flow to Golden State Water Company (GSWC) will be adjusted to help alleviate the morning peak demand on the treatment plant. During periods of lower demand, GSWC typically receives a constant flow of 3,125 gallons per minute (GPM), amounting to 4.5 million gallons per day (MGD). However, as temperatures and demand rise, we will redistribute this flow to lessen the morning peak demand on the plant.

From 4:00 AM to 8:00 AM, the flow to GSWC will be reduced to 2,100 gallons per minute (GPM). After this period, from 9:00 AM to 3:00 PM, the flow will increase to 3,820 gallons per minute (GPM) to ensure we meet the daily requirement of 4.5 million gallons per day (MGD). This strategy will help our staff maintain Clearwell levels and prevent overdraining from the Ranney collectors.

Looking ahead, July release forecasts are expected to increase.

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



Capital Improvements/Replacements

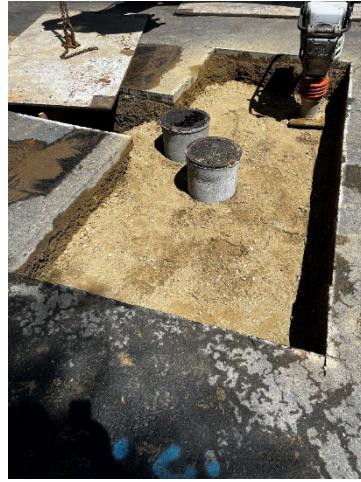
- Service Line: 10
- Fire Hydrant: 1
- Main Line Valve: 2
- New Construction Meters: 1
- New Hydrant Valve: 1
- Air Relief Valves - 0

O and M Repair Work

- Service Line: 1
- Fire Hydrant: 1
- Main Line: 2
- Meter Boxes: 3
- Main Line Valve Boxes: 2
- Meter Change Out: 72
- Registers Change Out: 4
- Hydrant Inspections: 1
- Valves Exercised: 3
- Antenna: 3

Customer Assist

- Call Outs: 55
- Private Repairs: 5
- Water Waste: 22
- Lock/Unlock: 9
- High/Low Pressure: 1
- USA: 122



CWD Distribution Department Completes New Hydrant Installation at Bajamont WTP

The CWD Distribution Department has successfully completed the installation of an additional 6-inch wet barrel fire hydrant at the Bajamont Water Treatment Plant (WTP). This project was undertaken to enhance the WTP's fire protection capabilities and improve overall water system reliability.

To support the new hydrant, crews excavated and installed approximately 140 feet of 6-inch High-Deflection Single Seal (HDSS) ductile iron pipe, strategically routed to place the hydrant in an optimal location for emergency access and flow efficiency.

The following components were installed to complete the project:

- (1) 8" x 8" x 6" ductile iron tee
- (1) 8" gate valve
- (1) 6" gate valve
- (2) 6" 45-degree bends
- 140 feet of 6" HDSS ductile iron pipe
- (1) 6" 90-degree bend
- (1) 36" hydrant bury
- (1) hydrant breakaway check valve
- (1) 6" wet barrel fire hydrant
- (2) G5 valve boxes

This new infrastructure installation provides enhanced fire flow capacity, improves redundancy within the distribution network, and ensures the Bajamont WTP is better prepared to respond to emergency situations requiring fire suppression.



Current Projects (Continued)

- **Update: The project has gone out to bid and proposals are being evaluated**

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 collaborate and align timelines to ensure that the replacement work is completed in a timely manner and 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 golf course’s 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

MAY 2025 MEETING ATTENDANCE

MEETINGS ATTENDED		DIRECTORS				
DATE	DESCRIPTION	DAVIS	EMMERSON	NELSON	GREENWOOD	SELSKY
5/12 5/13	ACWA Spring Conference		1	1		
5/9 5/14 5/20	CWD - Training/Meeting				3	
5/19	CWD - Regular Board Meeting	1	1		1	1
5/1 5/23	CWD - Special Board Meeting	1	1	1	1	
5/27	RWA - Executive Committee				1	
5/3-5/6	Sac Metro Chamber - Cap-to-Cap				4	
TOTAL MEETINGS ATTENDED		2	3	2	10	1

MAY 2025 EXPENSE COMPENSATION/REIMBURSEMENT

MEETINGS COMPENSATED						
DATE	DESCRIPTION	DAVIS	EMMERSON	NELSON	GREENWOOD	SELSKY
5/19	CWD - Regular Board Meeting	1	1		1	1
5/1	CWD - Special Board Meeting	1	1		1	
4/27-4/30	CWD - Event/Public Outreach				4	
4/22	RWA - Executive Committee				1	
TOTAL # COMPENSATED		2	2	0	7	1
TOTAL \$ COMPENSATED		\$304.00	\$304.00	\$0.00	\$1,064.00	\$152.00
*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	26	23	25	52	33
FYTD # MEETINGS COMPENSATED	16	19	25	49	32
FYTD \$ MEETINGS COMPENSATED	\$2,432.00	\$2,888.00	\$3,800.00	\$7,448.00	\$4,864.00
FYTD EXPENSE REIMBURSEMENTS	\$0.00	\$1,343.87	\$0.00	\$1,623.17	\$91.06