

# SOLANO COUNTY WATER AGENCY



## BOARD OF DIRECTORS' MEETING

### BOARD OF DIRECTORS:

#### Chair:

Mayor Alma Hernandez  
City of Suisun City

#### Vice Chair:

Director J.D. Kluge  
Solano Irrigation District

Mayor Steve Young  
City of Benicia

Mayor Steve Bird  
City of Dixon

Mayor Catherine Moy  
City of Fairfield

Director Chris Holdener  
Maine Prairie Water District

Director Gabe DeTar  
Reclamation District No. 2068

Mayor Edwin Okamura  
City of Rio Vista

Supervisor Cassandra James  
Solano County District 1

Supervisor Monica Brown  
Solano County District 2

Supervisor Wanda Williams  
Solano County District 3

Supervisor John Vasquez  
Solano County District 4

Supervisor Mitch Mashburn  
Solano County District 5

Mayor John Carli  
City of Vacaville

Mayor Andrea Sorce  
City of Vallejo

### GENERAL MANAGER:

Chris Lee  
Solano County Water Agency

**DATE:** Thursday, May 14, 2026

**TIME:** 6:30 pm

**PLACE:** Berryessa Room  
Solano County Water Agency Office  
810 Vaca Valley Parkway, Suite 202  
Vacaville, CA 95688

**Remote participation is available under AB 2449:**  
Please review the insert after agenda regarding AB 2449.

### **Zoom Information:**

<https://us02web.zoom.us/j/86847349477?pwd=7VzR4b15cpyDflUb2YH40CrV6YFwlb.1>

**Meeting ID: 868 4734 9477 | Passcode: 810810**

**One tap mobile: +16699006833,,83363088045#,,,,\*810810#**

**Phone Number: +1 669 900 6833**

1. **CALL TO ORDER**

2. **ROLL CALL**

(A) **Announcements Pursuant to AB 2449 (if any)**

3. **PLEDGE OF ALLEGIANCE**

4. **APPROVAL OF AGENDA**

5. **PUBLIC COMMENT**

*The Public Comment section provides an opportunity to address the Board of Directors on items that are not listed on the agenda, or informational items pertinent to the agency's business. The Board welcomes your comments and requests that speakers present their remarks in a respectful manner, within established time limits, and focus on issues which directly affect the agency or are within the jurisdiction of the agency. The Board will not be able to act on matters brought to its attention under this item until a future board meeting.*

*If you wish to make a Public Comment, please contact the Secretary at: [cllee@scwa2.com](mailto:cllee@scwa2.com) to expedite the process, thank you. Public Comments may still be made during the meeting without prior notice.*



**6. CONSENT ITEMS (estimated time: 5 minutes)**

- (A) Minutes: Approval of the Minutes of the Board of Directors meeting of April 9, 2026.
- (B) Expenditure Approvals: Approve expenditures from the Water Agency checking account for April 2026.
- (C) Purchase Order with Briggs Mfg, Inc.: Authorize the General Manager to approve Purchase Order with Briggs Mfg, Inc. for \$47,588.60 for 2 x 72-inch Culverts and Twin Track Weir assemblage for the Road 106A crossing on Lower Putah Creek.
- (D) State Water Project - One Year Water Transfer of 390-AF of Table A water:
  - 1. Authorize General Manager to execute Agreement between Department of Water Resources (DWR), Water Agency, and a State Water Contractor(s), for transfer of up to 390 acre-feet of Table A water, or prior exchange water (2018 agreements), on behalf of the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City.
  - 2. Authorize the General Manager to sign Letters of Understanding between Water Agency and the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City memorializing SCWA’s facilitation role in transfer of Table A and/or exchange water (2018 agreements) allocated to the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City to a State Water Contractor(s).
- (E) Amendment with West Yost for PSC Overchutes: Authorize General Manager to execute Amendment 2 for \$22,000 with West Yost Associates for engineering support to complete hydrologic and hydraulic evaluation for overbank spill north of overchute 890+70 along the Putah South Canal (PSC). Area of concern is east of Peabody Road and south of Union Creek.
- (F) Contract Amendment with Harris & Associates, Inc.: Authorize General Manager to execute Amendment No. 1 with Harris & Associates, Inc. (Harris) for additional environmental documentation and permitting assistance as well as contract duration extension in support of the Lower Putah Creek Chinook Salmon Spawning Habitat Project (Nishikawa Restoration Project).

**7. BOARD MEMBER REPORTS (estimated time: 5 minutes)**

RECOMMENDATION: For information only.

**8. GENERAL MANAGER’S REPORT (estimated time: 5 minutes)**

RECOMMENDATION: For information only.

**9. NORTH BAY WATERSHED ASSOCIATION REPORT (estimated time: 5 minutes)**

RECOMMENDATION: For information only.

Receive report on activities of the North Bay Watershed Association.

The Solano County Water Agency is a member of the North Bay Watershed Association, which is a group of diverse regional and local public agencies throughout the North Bay region working to craft regional approaches to managing our common watershed. Association members work cooperatively on water resources issues and go beyond traditional boundaries to promote good stewardship of the North Bay watersheds. For more information: <https://www.nbwatershed.org>.

**10. SOLANO WATER ADVISORY COMMISSION REPORT (estimated time: 5 minutes)**

RECOMMENDATION: For information only.

The Solano Water Advisory Commission (SWAC) is comprised of senior management staff of each of the individual agencies that make up the Solano County Water Agency. The SWAC and Water Agency staff meet monthly and confer on water and related issues and make reports and recommendations to the Water Agency Board of Directors.

**11. GENERAL MANAGER SERVICES AGREEMENT (estimated time: 5 minutes)**

RECOMMENDATION: Approve agreement for General Manager Services.

The Board of Directors (BOD) has agreed upon the appointment of the incumbent for General Manager services. The BOD has completed discussions and has presented the employment agreement for consideration by the Board.

**12. WATER AGENCY COMPENSATION STUDY (estimated time: 10 minutes)**

RECOMMENDATION: Authorize staff to issue a Request for Proposals to engage a qualified external firm to conduct an agency-wide compensation study, complete the study, and then return to the Board at a future meeting with findings and recommendations for consideration.

The Agency last conducted an organization, classification, and compensation study in 2021. Since that time, labor market conditions, compensation trends, and competitive pressures among public-sector agencies have continued to change. To ensure the Agency's organizational structure and compensation program remain competitive, equitable, and aligned with current market conditions, staff recommends conducting a new agency-wide compensation study.

The study would include a comprehensive review of job classifications, salary ranges, and internal alignment, as well as market comparisons with comparable public-sector agencies. Staff will issue a Request for Proposals (RFP) to solicit proposals from qualified consultants with expertise in public-sector compensation studies. Upon completion of the study, staff will return to the Board at a future date with the firms findings and recommendations for Board consideration.

**13. ENGINEERING AND CAPITAL IMPROVEMENT PLAN UPDATE (estimated time: 15 minutes)**

RECOMMENDATION: For information only.

The Solano Project R&B Plan was the first of several plans to be prepared. Staff have been continuing with this effort to build a CIP plan for each of the systems managed by the agency

including Lower Putah Creek, the Ulatis/Cache Slough and a general agencywide CIP to proactively manage and repair the aging infrastructure. As these plans are in place, staff will be able to better inform the Board of the agency’s assets, their conditions and the project budget impacts on a fiscal year basis.

To date, a few priority projects are in process including the Putah Diversion Dam Roadway and Drainage Improvements, the Radial Gate Rehabilitation and Modernization project, and the Nishikawa habitat restoration project along lower Putah Creek. Additionally, project management efforts for several projects identified in the Solano Project R&B Plan will be presented in the Engineering update.

**14. FISCAL YEAR 2026-2027 BUDGET UPDATE (estimated time: 15 minutes)**

RECOMMENDATIONS:

1. Hear presentation and accept the staff report providing a preliminary overview of the proposed Fiscal Year 2026–2027 Budget.
2. Provide direction to staff on recommended cuts to balance the proposed Fiscal Year 2026-2027 Budget.

The Water Agency’s Board of Directors requested an update on the development of the Fiscal Year 2026–2027 Budget in advance of formal adoption. This presentation provides a high-level overview of the proposed budget, including key assumptions, major revenue and expenditure drivers, and notable changes from the prior fiscal year. The intent is to provide the Board with early visibility into the budget framework and an opportunity to ask questions ahead of the upcoming approval action.

**15. LEGISLATIVE UPDATES (estimated time: 10 minutes)**

RECOMMENDATION: Hear report from Bob Reeb of Reeb Government Relations, LLC.

The Solano County Water Agency is committed to providing cities and farms with reliable access to water, flood risk reduction, and habitat conservation services. Federal and State financial and technical resources and legislative support are needed to fulfill our commitment to Solano County residents, businesses, and agricultural water users. The Solano County Water Agency is represented by Reeb Government Relations for state matters and Lincoln Concepts for federal matters.

**16. WATER POLICY UPDATES (estimated time: 10 minutes)**

RECOMMENDATIONS:

1. Hear report from staff on current and emerging Delta and Water Policy issues and provide direction.
2. Hear status report from Committee Chair on activities of the SCWA Water Policy Committee.
3. Hear report on activities of the Delta Counties Coalition, Delta Protection Commission, and Delta Conservancy.

The Delta Counties Coalition, a consortium of five Delta Counties, including Contra Costa, Sacramento, San Joaquin, Solano, and Yolo, is working to give one voice to the Delta, advocating on behalf of local government and the four million people throughout the Delta region. Learn more at: <https://savethedelta.saccounty.gov> .

The Delta Protection Commission’s primary authority is over land use in the Delta’s unincorporated areas. The Commission coordinates the Sacramento-San Joaquin Delta National Heritage Area and leads the development of the Great California Delta Trail System. Learn more at: <https://delta.ca.gov> .

The Delta Conservancy leads efforts to preserve, protect, and restore the natural resources, economy, and agriculture of the Delta and Suisun Marsh through both internal programs and grant-funded projects. It collaborates with local communities, interested groups, science experts, Tribes, and state and federal agencies to accomplish this goal. Learn more at: <https://deltaconservancy/ca/gov> .

**17. CLOSED SESSION (estimated time:10 minutes)**

CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION (Gov. Code §54956.9(d)(2).): 1 case.

**18. TIME AND PLACE OF NEXT MEETING**

Thursday, June 11, 2026, at 6:30 p.m. at the SCWA offices.

***The Full Board of Directors packet with background materials for each agenda item can be viewed on the Agency’s website at <https://www.scwa2.com/governance/board-meetings-agendas-minutes/>***

Any materials related to items on this agenda distributed to the Board of Directors of Solano County Water Agency less than 72 hours before the public meeting are available for public inspection at the Agency’s offices located at the following address: 810 Vaca Valley Parkway, Suite 202, Vacaville, CA 95688. Upon request, these materials may be made available in an alternative format to persons with disabilities.

## **AB 2449 Provides Remote Options for Public Agencies**

Despite the end of the COVID-19 pandemic, public agencies still have options available to them if they need to exercise remote participation for members of their legislative bodies. AB 2449 provides that if a quorum of the legislative body participates in person, a member of a legislative body may participate remotely so long as the member provides prompt notice and the need for remote participation falls under one of the statutorily defined exceptions. The member does not need to identify their location nor ensure it is accessible to the public.

Members of legislative bodies can use AB 2449 to participate remotely if there is “just cause” or if “emergency circumstances” exist. “Just cause” is defined as any of the following:

- Providing childcare or caregiving of a parent, grandparent, grandchild, sibling, spouse, or domestic partner that requires the member to participate remotely.
- A contagious illness that prevents attendance in person.
- Tending to a need related to a physical or mental disability.
- Travelling for business of the legislative body or another state or local agency.

“Emergency circumstances” are defined as follows:

- A physical or family medical emergency that prevents a member of a legislative body from attending in person.

## **Notice Must be Provided to Utilize AB 2449’s Provisions**

In order to utilize the provisions of AB 2449, members of a legislative body must inform their public agency at the earliest possible opportunity of their need to participate remotely, which can include before the start of the meeting. The member must also provide a general description of the circumstances that require remote participation. In the case of emergency circumstances, the member must actually request that the legislative body allow them to participate remotely and the legislative body has to take action on this request.

**Any member participating remotely because of just cause or emergency circumstances must publicly disclose at the meeting before any action is taken, whether any other individuals 18 years of age or older are present in the room at the remote location with the member, and the general nature of the member’s relationship with any such individuals.**

## **Members and Public Must have Option to Participate in Meetings both Audibly and Visually**

When a member participates remotely, he/she must utilize both audio and visual capabilities to effectuate compliance with the statute. Therefore, members of public agencies cannot use a call in only option to attend meetings, they must be on camera. Additionally, the legislative body is responsible for ensuring that the public can also participate in meetings remotely. This includes providing a way for the public to remotely hear, visually observe, and remotely address the legislative body. Furthermore, members of the public can no longer be required to submit their comments prior to the meeting but instead must be allowed to give comments in real time.

# CONSENT ITEMS

**SOLANO COUNTY WATER AGENCY  
BOARD OF DIRECTORS MEETING MINUTES  
MEETING DATE: April 9, 2026**

The Solano County Water Agency Board of Directors met this evening in the Board Room located at the Water Agency office in Vacaville. Attending were:

Mayor Steve Young, City of Benicia  
Mayor Steve Bird, City of Dixon  
Mayor Moy, City of Fairfield (remote)  
Mayor Edwin Okamura, City of Rio Vista  
Mayor Alma Hernandez, City of Suisun City  
Mayor John Carli, City of Vacaville  
Mayor Andrea Sorce, City of Vallejo  
Supervisor Cassandra James, Solano County District 1  
Supervisor Monica Brown, Solano County District 2  
Director J.D. Kluge, Solano Irrigation District  
Director Chris Holdener, Maine Prairie Water District

**CALL TO ORDER**

The meeting was called to order by Chair Hernandez at 6:33 pm.

**APPROVAL OF AGENDA**

On a motion by Director Kluge and a second by Mayor Carli the Board unanimously approved by roll call vote the agenda.

**PUBLIC COMMENT**

There was no public comment

**CONSENT ITEMS**

On a motion by Mayor Sorce and a second by Supervisor James the Board unanimously approved by roll call vote the following consent items:

- (A) Minutes
- (B) Expenditure Approvals
- (C) Financial Report Approval
- (D) Contract amendment with General Manager
- (E) 2016-2030 Strategic Plan

**BOARD MEMBER REPORTS**

There were no Board Member reports.

**GENERAL MANAGERS REPORT**

General Manager Chris Lee reported that recent warm spring conditions have resulted in a rapid decline in statewide snowpack, which is now effectively depleted. Despite these conditions, local water supplies remain stable, with Lake Berryessa at approximately 99 percent capacity and State Water Project allocations currently at 40 percent, which is consistent with average conditions for Solano County. Mr. Lee also noted that early climate modeling indicates the potential for a significant El Niño event, possibly one of the strongest in recent history. However, considerable uncertainty remains regarding how such conditions may affect precipitation and

water supply in California. Staff will continue monitoring developments and provide updates as forecasts become more certain.

### **NORTH BAY WATERSHED ASSOCIATION REPORT**

There were no updates on the Northbay Watershed Association.

### **SOLANO WATER ADVISORY COMMISSION REPORT**

There were no updates from the Commission.

### **FISCAL YEAR 2025-2026 YEAR END PROJECTED BUDGET**

General Manager Chris Lee provided an overview of the Fiscal Year 2025–2026 year-end projected budget, noting that the Agency is currently performing better than originally anticipated. Expenditures are trending below budget while revenues are slightly exceeding projections, resulting in a projected increase in reserves above initial expectations. Mr. Lee explained that cost savings are largely attributable to delays in capital and maintenance projects due to permitting challenges, as well as staffing shortages and unfilled positions, which have reduced overall expenditures during the current fiscal year.

Mr. Lee further explained the Agency’s fund structure, including the General (ASW) Fund and several restricted funds, and noted that reserve levels have improved and are projected to continue increasing. Board members discussed the importance of receiving earlier updates into future budget decisions and long-term financial planning, particularly with respect to major capital projects and reserve targets. Questions were also raised regarding reserve policies, and staff confirmed that a formal reserve policy exists and will be shared with the Board.

### **WATER AGENCY HOLDINGS**

Supervising Water Resources Technician Sam Moore provided a broad overview of Water Agency properties, including Petersen Ranch, Sackett Ranch, and Lang Tule Ranch. Mr. Moore described the location, history, and current condition of each property, along with ongoing operational and maintenance activities.

Petersen Ranch, a large property of over 1,600 acres near Rio Vista, was highlighted for its strategic location and habitat value, including recent efforts to establish burrowing owl habitat. Mr. Moore noted that several existing structures on the property, including residential buildings and agricultural barns are in deteriorating condition and will require future evaluation for repair or removal due to safety concerns.

Sackett Ranch, located along Putah Creek upstream of Lake Solano, was described as an important operational site that includes a nursery facility supporting the Agency’s habitat restoration and revegetation efforts. Mr. Moore discussed ongoing efforts to improve efficiency at the nursery while also noting maintenance needs for key infrastructure, including greenhouse roofing and shade structures. The property also includes residential structures, one of which is occupied by a caretaker, while others may require future improvements or removal.

Lang Tule Ranch, located in the Suisun Marsh region, was discussed as a property with significant ecological and potential habitat conservation value. Staff have been working to improve site access and maintain infrastructure, and the property may play a role in future Habitat Conservation Planning efforts.

Board members expressed appreciation for the overview and discussed the importance of continued stewardship of Agency properties, including maintenance planning, habitat enhancement, and long-term strategic use of these assets. There was interest in receiving annual

updates on property conditions, operational needs, and potential opportunities associated with Agency land holdings.

### **LEGISLATIVE UPDATES**

Legislative advocate Bob Reeb provided a comprehensive update on current state legislative activities affecting the Water Agency. Mr. Reeb discussed several proposed bills related to invasive species management, including legislation addressing the spread of golden mussels and the need for improved decontamination protocols, reservoir management coordination, and funding for prevention and response efforts. He noted that some proposed legislation was initially broad in scope but is being refined through ongoing discussions with stakeholders to better align with the needs of local agencies.

Mr. Reeb also reviewed legislation related to water supply reliability and State Water Project (SWP) operations, including proposals to extend the SWP water rights permits and provide funding for infrastructure improvements and Delta-related projects. He highlighted the potential financial implications of these efforts, noting that long-term operations and maintenance costs for water agencies could increase significantly depending on regulatory outcomes.

Additional discussion focused on proposed legislation affecting Tribal consultation and water-related policy considerations, with particular attention to the breadth and potential implications of the bills. Mr. Reeb noted that some proposals have generated significant concern among water agencies due to their potential impacts on local water management and governance, and that efforts are underway to refine legislative language and address stakeholder concerns.

Board members discussed the Agency's legislative positions, including support or opposition to specific bills, and emphasized the importance of continued coordination with regional partners and legislative committees. The Board also discussed the potential need for Agency comment letters and ongoing engagement to ensure that Solano County interests are effectively represented in state and federal policy discussions.

### **WATER POLICY UPDATES**

There were no water policy updates from staff or from the Board.

The Board entered closed session at 7:24 pm. The Board came back into open session at 8:48 pm with nothing to report.

### **TIME AND PLACE OF NEXT MEETING**

Thursday, May 14, 2026, at 6:30 pm at the SCWA offices.

### **ADJOURNMENT**

The meeting of the Solano County Water Agency Board of Directors was adjourned at 8:48 pm.

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Chris Lee  
General Manager &  
Secretary to the Solano  
County Water Agency

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Expenditures Approval

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RECOMMENDATIONS:


Approve expenditures from the Water Agency checking accounts for April 2026.

FINANCIAL IMPACT:

All expenditures are within previously approved budget amounts.

BACKGROUND:

The Water Agency auditor has recommended that the Board of Directors approve all expenditures (in arrears). Attached is a summary of expenditures from the Water Agency's checking accounts for April 2026. Additional backup information is available upon request.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

Approved as  
Recommended

Other  
(see below)

Continued on  
next page

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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

\_\_\_\_\_  
Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
For the Period From Apr 1, 2026 to Apr 30, 2026

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

Date	Check #	Name	Account I	Line Description	Debit Amount	Credit Amou
4/1/26	EFT 4/1/	FEDEX EXPRESS	2020SC 1015SC	Invoice: 9-211-85315 FEDEX EXPRESS	185.12	185.12
4/1/26	EFT 4/1/	PACIFIC GAS & ELECTRIC CO,	2020SC 1015SC	Invoice: 2/11/26 - 3/12/26 PACIFIC GAS & ELECTRIC CO,	3,040.31	3,040.31
4/1/26	EFT 4/1/	CALPERS	2020SC 1015SC	Invoice: APR 2026 HEALTH CALPERS	50,715.91	50,715.91
4/3/26	PPE 3.28	PAYROLL TAXES	2020SC 1015SC	Invoice: PPE 3/28/2026 PAYROLL TAXES	33,041.68	33,041.68
4/6/26	EFT 4/6/	PACIFIC GAS & ELECTRIC CO,	2020SC 1015SC	Invoice: 2/10/26 - 3/11/26 PACIFIC GAS & ELECTRIC CO,	2,921.38	2,921.38
4/7/26	44799	AIR SYSTEMS SERVICE & CONST.	2020SC 1015SC	Invoice: B012507244 AIR SYSTEMS SERVICE & CONST.	2,588.57	2,588.57
4/7/26	44800	CANON FINANCIAL SERVICES, INC.	2020SC 1015SC	Invoice: 42872404 CANON FINANCIAL SERVICES, INC.	919.01	919.01
4/7/26	44801	CITY OF FAIRFIELD	2020SC 1015SC	Invoice: 232014 CITY OF FAIRFIELD	25,713.52	25,713.52
4/7/26	44802	INTERSTATE OIL COMPANY	2020SC 1015SC	Invoice: CL57811 INTERSTATE OIL COMPANY	442.87	442.87
4/7/26	44803	KC ENGINEERING COMPANY	2020SC 1015SC	Invoice: 13656 KC ENGINEERING COMPANY	6,035.00	6,035.00
4/7/26	44804	PAPE MACHINERY	2020N 2020N 1015SC	Invoice: 1546455 Invoice: 1546580 PAPE MACHINERY	14,591.16 7,015.66	21,606.82
4/7/26	44805	PITNEY BOWES	2020SC 2020SC 1015SC	Invoice: 3107699518 Invoice: 3107734106 PITNEY BOWES	558.72 54.24	612.96
4/7/26	44806	UBEO WEST LLC	2020SC 1015SC	Invoice: 5192980 UBEO WEST LLC	212.31	212.31
4/7/26	44807	RICHARD HEATH & ASSOCIATES, I	2020SC 1015SC	Invoice: WCP-454 RICHARD HEATH & ASSOCIATES, INC.	3,824.89	3,824.89
4/7/26	44808	RW EQUIPMENT REPAIR	2020SC 2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: 3109 Invoice: 3124 Invoice: 3127 Invoice: 3126 Invoice: 3125 RW EQUIPMENT REPAIR	363.00 1,159.05 1,790.33 2,454.69 802.25	6,569.32
4/7/26	44809	STANDARD INSURANCE COMPAN	2020SC 1015SC	Invoice: 006492990046 APR 26 STANDARD INSURANCE COMPANY	2,585.18	2,585.18
4/7/26	44810	SUISUN RESOURCE CONSERVATIO	2020SC 1015SC	Invoice: 52821 SUISUN RESOURCE CONSERVATION	936.00	936.00
4/7/26	44811	THE REGENTS OF THE UNIVERSITY	2020SC 1015SC	Invoice: 698652 THE REGENTS OF THE UNIVERSITY OF CA	81,616.42	81,616.42
4/7/26	44812	VICTOR PAUL CLAASSEN	2020SC 2020SC 1015SC	Invoice: 13 & 14 Invoice: 15 & 16 VICTOR PAUL CLAASSEN	7,002.40 5,243.00	12,245.40
4/7/26	44813	CAL.NET INC. - WINTERS	2020SC 1015SC	Invoice: 4120662 CAL.NET INC. - WINTERS	595.00	595.00
4/7/26	44814	ACWA JOINT POWERS INSURANCE	2020SC 1015SC	Invoice: WC 1/1/226 - 3/31/26 ACWA JOINT POWERS INSURANCE AUTHORIT	15,022.39	15,022.39

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
 For the Period From Apr 1, 2026 to Apr 30, 2026

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

Date	Check #	Name	Account I	Line Description	Debit Amount	Credit Amou
4/7/26	44815	STEVEN BIRD	2020SC 1015SC	Invoice: MAR 2026 BOD MTG STEVEN BIRD	167.28	167.28
4/7/26	44816	JOHN D. KLUGE	2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: MAR 2026 BAYDELTA TF Invoice: MAR 2026 EXEC MTG Invoice: MAR 2026 BOD MTG Invoice: APR 2026 EXEC MTG JOHN D. KLUGE	150.00 150.00 150.00 150.00	600.00
4/7/26	44817	MITCH MASHBURN	2020SC 1015SC	Invoice: MAR 2026 BOD MTG MITCH MASHBURN	150.00	150.00
4/7/26	44818	STEVE YOUNG	2020SC 1015SC	Invoice: MAR 2026 BOD MTG STEVE YOUNG	198.96	198.96
4/7/26	EFT 4.7.	CALPERS	2020SC 2020SC 2020SC 1015SC	Invoice: PEPRA PPE 3.28.26 Invoice: PPE 3.28.26 Invoice: SIP PPE 3.28.2026 CALPERS	13,730.76 9,727.81 7,956.96	31,415.53
4/7/26	EFT 4/7/	FEDEX EXPRESS	2020SC 1015SC	Invoice: 9-230-73142 FEDEX EXPRESS	186.88	186.88
4/10/26	EFT 4/1	PAYCHEX	2020SC 1015SC	Invoice: 32534152 PAYCHEX	130.50	130.50
4/11/26	EFT 4/1	PAYROLL TAXES	2020SC 1015SC	Invoice: PPE 4/11/2026 PAYROLL TAXES	34,855.15	34,855.15
4/11/26	EFT 4/1	CALIFORNIA STATE DISBURSEMEN	2020SC 1015SC	Invoice: GARNISH PPE 4/11/26 CALIFORNIA STATE DISBURSEMENT UNIT	153.23	153.23
4/11/26	EFT 4/1	ONEPOINT HUMAN CAPITAL MAN	2020SC 1015SC	Invoice: 101248 ONEPOINT HUMAN CAPITAL MANAGEMENT LLC	146.00	146.00
4/15/26	10250	MBK ENGINEERS	2020WC 1015WC	Invoice: 19688 MBK ENGINEERS	1,955.25	1,955.25
4/15/26	44819	BELIA MARTINEZ	2020SC 2020SC 1015SC	Invoice: 202603 Invoice: 202603A BELIA MARTINEZ	740.00 350.00	1,090.00
4/15/26	44820	AG INNOVATIONS NETWORK	2020SC 1015SC	Invoice: 3969 AG INNOVATIONS NETWORK	11,675.54	11,675.54
4/15/26	44821	BUZZ OATES MANAGEMENT SER	2020SC 1015SC	Invoice: APRIL 2026 BUZZ OATES MANAGEMENT SER	12,879.00	12,879.00
4/15/26	44822	CALNET3 AT&T	2020SC 1015SC	Invoice: 24958108 CALNET3 AT&T	847.98	847.98
4/15/26	44823	COASTLAND CIVIL ENGINEERING	2020N 1015SC	Invoice: 64062 COASTLAND CIVIL ENGINEERING LLP	11,698.75	11,698.75
4/15/26	44824	CP UNLIMITED	2020SC 1015SC	Invoice: 10985 CP UNLIMITED	2,453.04	2,453.04
4/15/26	44825	DEPT OF FORESTRY & FIRE PROTE	2020SC 1015SC	Invoice: 1700420 DEPT OF FORESTRY & FIRE PROTECTION	882.34	882.34
4/15/26	44826	DEPARTMENT OF WATER RESOUR	2020SC 2020SC 2020N 1015SC	Invoice: 26-026-T APRIL 2026 Invoice: 26-24-O APRIL 2026 Invoice: 26-050-V FEB 2026 DEPARTMENT OF WATER RESOURCES	762,499.00 230.00 79,352.00	842,081.00
4/15/26	44827	DEPT OF INTERIOR	2020SC	Invoice: 90167202	4,387.50	

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Date	Check #	Name	Account I	Line Description	Debit Amount	Credit Amou
			1015SC	DEPT OF INTERIOR		4,387.50
4/15/26	44828	DLT SOLUTIONS, LLC	2020SC	Invoice: S1729208	2,691.52	
			2020SC	Invoice: S1730301	395.00	
			1015SC	DLT SOLUTIONS, LLC		3,086.52
4/15/26	44829	W.W.GRAINGER, INC. DEPT 8075733	2020SC	Invoice: 9845340331	1,325.73	
			1015SC	W.W.GRAINGER, INC. DEPT 807573308		1,325.73
4/15/26	44830	ZACH HYER	2020SC	Invoice: EMP REIM MARCH 2026	32.87	
			1015SC	ZACH HYER		32.87
4/15/26	44831	JEFFREY J JANIK	2020N	Invoice: 0326-2	1,000.00	
			1015SC	JEFFREY J JANIK		1,000.00
4/15/26	44832	JUST THE FINEST	2020SC	Invoice: 0128421	150.00	
			2020SC	Invoice: 0128379	80.00	
			2020SC	Invoice: 0128374	75.00	
			2020SC	Invoice: 0128350	175.00	
			2020SC	Invoice: 0128373	75.00	
			2020SC	Invoice: 0128378	390.00	
			2020SC	Invoice: 0128376	75.00	
			1015SC	JUST THE FINEST		1,020.00
4/15/26	44833	MCCAMPBELL ANALYTICAL, INC.	2020SC	Invoice: 2603A24	356.00	
			1015SC	MCCAMPBELL ANALYTICAL, INC.		356.00
4/15/26	44834	RECLAMATION DISTRICT 2060	2020WC	Invoice: 2026 PERMIT FEE	1,050.00	
			1015SC	RECLAMATION DISTRICT 2060		1,050.00
4/15/26	44835	REEB GOVERNMENT RELATIONS, L	2020SC	Invoice: 034-APR-2026	10,000.00	
			1015SC	REEB GOVERNMENT RELATIONS, LLC		10,000.00
4/15/26	44836	RW EQUIPMENT REPAIR	2020SC	Invoice: 3138	676.17	
			1015SC	RW EQUIPMENT REPAIR		676.17
4/15/26	44837	SOLANO IRRIGATION DISTRICT	2020SC	Invoice: 0050354	69,037.11	
			2020SC	Invoice: 0050361	137.47	
			2020SC	Invoice: 0050367	3,159.93	
			1015SC	SOLANO IRRIGATION DISTRICT		72,334.51
4/15/26	44838	SOMACH, SIMMONS & DUNN	2020N	Invoice: 3026926	214.55	
			2020N	Invoice: 3026925	204.60	
			1015SC	SOMACH, SIMMONS & DUNN		419.15
4/15/26	44839	TERRAPHASE ENGINEERING	2020SC	Invoice: 31711	4,013.33	
			1015SC	TERRAPHASE ENGINEERING		4,013.33
4/15/26	44840	YOLO COUNTY RCD	2020SC	Invoice: DS13-07	4,848.47	
			2020SC	Invoice: DS13-08	5,888.25	
			1015SC	YOLO COUNTY RCD		10,736.72
4/15/26	44841	ZUNZUN	2020SC	Invoice: 16003	6,000.00	
			1015SC	ZUNZUN		6,000.00
4/15/26	EFT 4/1	HOME DEPOT CREDIT SERVICE	2020SC	Invoice: 5041343	104.95	
			2020SC	Invoice: 3617070	31.64	
			2020SC	Invoice: 1617190	16.20	
			2020SC	Invoice: 8617441	96.44	
			2020SC	Invoice: 8620816	46.37	
			2020SC	Invoice: 1621739	36.71	
			2020SC	Invoice: 7522288	56.11	
			2020SC	Invoice: 4522632	24.84	
			2020SC	Invoice: 2622929	96.23	
			2020SC	Invoice: 1623104	32.07	
			2020SC	Invoice: EPD 3.26.26		0.59
			1015SC	HOME DEPOT CREDIT SERVICE		540.97
4/15/26	EFT 4/1	VERIZON WIRELESS	2020SC	Invoice: 6139598482	1,539.53	
			1015SC	VERIZON WIRELESS		1,539.53

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4/15/26	EFT 4/1	PACIFIC GAS & ELECTRIC CO,	2020SC 1015SC	Invoice: 2/20/26 - 3/22/26 PACIFIC GAS & ELECTRIC CO,	137.43	137.43
4/17/26	EFT 4.17	CALPERS	2020SC 2020SC 2020SC 1015SC	Invoice: SIP PPE 4.11.2026 Invoice: PPE 4.11.26 Invoice: PEPRA PPE 4.11.26 CALPERS	8,300.12 9,727.81 14,309.68	32,337.61
4/21/26	EFT 4.21	CALPERS	2020SC 1015SC	Invoice: BARR SERV PURCH 2026 CALPERS	94.21	94.21
4/21/26	EFT 4/2	WEX BANK	2020SC 1015SC	Invoice: 111839424 WEX BANK	3,436.71	3,436.71
4/22/26	44842	ACWA JOINT POWERS INSURANCE	2020SC 1015SC	Invoice: 0709006 ACWA JOINT POWERS INSURANCE AUTHORITY	2,962.26	2,962.26
4/22/26	44843	AMERICAN TOWER CORPORATION	2020SC 1015SC	Invoice: 5229542 AMERICAN TOWER CORPORATION	834.54	834.54
4/22/26	44844	BREANN ANDERSON	2020SC 1015SC	Invoice: LBO INC MAR 2026 BREANN ANDERSON	2,490.00	2,490.00
4/22/26	44845	APEX TECHNOLOGY MANAGEMEN	2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: TS1367074 Invoice: 1367276 Invoice: APXQ32804 Invoice: TS1367377 APEX TECHNOLOGY MANAGEMENT LLC	11,312.50 259.20 2,341.48 11,800.00	25,713.18
4/22/26	44846	J.F. BRENNAN COMPANY, INC.	2020SC 1015SC	Invoice: 542516-2 J.F. BRENNAN COMPANY, INC.	500.00	500.00
4/22/26	44847	CANON FINANCIAL SERVICES, INC.	2020SC 1015SC	Invoice: 43038009 CANON FINANCIAL SERVICES, INC.	1,004.04	1,004.04
4/22/26	44848	CHRISTOPHER MICHAEL BERG	2020SC 1015SC	Invoice: LBO INC FEB 2026 CHRISTOPHER MICHAEL BERG	5.00	5.00
4/22/26	44849	DALE CROSSLEY	2020SC 2020SC 1015SC	Invoice: FEB 2026 BOD MTG Invoice: MAR 2026 BOD MTG DALE CROSSLEY	150.00 150.00	300.00
4/22/26	44850	DEPT OF INTERIOR	2020SC 1015SC	Invoice: 90174295 DEPT OF INTERIOR	4,387.50	4,387.50
4/22/26	44851	JAMES B. DEROSE	2020SC 1015SC	Invoice: MAR 2026 JAMES B. DEROSE	8,076.24	8,076.24
4/22/26	44852	EATON PUMPS	2020SC 1015SC	Invoice: INV101379 EATON PUMPS	3,469.43	3,469.43
4/22/26	44853	EYASCO, INC.	2020SC 1015SC	Invoice: 5926 EYASCO, INC.	43,072.50	43,072.50
4/22/26	44854	JULIE FEATHERSTON	2020SC 1015SC	Invoice: LBO INC MAR 2026 JULIE FEATHERSTON	690.00	690.00
4/22/26	44854V	JULIE FEATHERSTON	2020SC 1015SC	Invoice: LBO INC MAR 2026 JULIE FEATHERSTON	690.00	690.00
4/22/26	44855	TRACY FEATHERSTON	2020SC 1015SC	Invoice: LBO INC MAR 2026 TRACY FEATHERSTON	1,560.00	1,560.00
4/22/26	44856	FLUME INC	2020SC 1015SC	Invoice: 2791 FLUME INC	151.38	151.38
4/22/26	44857	LESLEYANNE GALINDO	2020SC 2020SC 1015SC	Invoice: LBO INC FEB 2026 Invoice: LBO INC MAR 2026 LESLEYANNE GALINDO	5.00 280.00	285.00

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4/22/26	44858	W.W.GRAINGER, INC. DEPT 8075733	2020SC 1015SC	Invoice: 9849632451 W.W.GRAINGER, INC. DEPT 807573308	121.53	121.53
4/22/26	44859	DANIELA GUTIERREZ	2020SC 1015SC	Invoice: LBO INC MAR 2026 DANIELA GUTIERREZ	535.00	535.00
4/22/26	44860	HARRIS & ASSOCIATES, INC	2020SC 1015SC	Invoice: 71786 HARRIS & ASSOCIATES, INC	4,631.77	4,631.77
4/22/26	44861	MARK HAVEN	2020SC 1015SC	Invoice: LBO INC MAR 2026 MARK HAVEN	585.00	585.00
4/22/26	44862	HOLLIS ELIZABETH GUTIERREZ	2020SC 1015SC	Invoice: LBO INC MAR 2026 HOLLIS ELIZABETH GUTIERREZ	475.00	475.00
4/22/26	44862V	HOLLIS ELIZABETH GUTIERREZ	2020SC 1015SC	Invoice: LBO INC MAR 2026 HOLLIS ELIZABETH GUTIERREZ	475.00	475.00
4/22/26	44863	HIGBY'S COUNTRY FEED INC	2020SC 2020SC 1015SC	Invoice: 17052/1 Invoice: 17065/1 HIGBY'S COUNTRY FEED INC	724.77 342.52	1,067.29
4/22/26	44864	HOLT AG SOLUTIONS	2020SC 2020SC 1015SC	Invoice: PSA00053532 Invoice: PSA00053865 HOLT AG SOLUTIONS	237.68 91.03	328.71
4/22/26	44865	ZACH HYER	2020SC 1015SC	Invoice: EMP REIM APR 2026 ZACH HYER	36.98	36.98
4/22/26	44866	INTERSTATE OIL COMPANY	2020SC 1015SC	Invoice: CL59199 INTERSTATE OIL COMPANY	399.56	399.56
4/22/26	44867	J & J TRUCK REPAIR	2020SC 1015SC	Invoice: 76363 J & J TRUCK REPAIR	312.50	312.50
4/22/26	44868	JOSEPH COSTANZO	2020SC 1015SC	Invoice: LBO INC MAR 2026 JOSEPH COSTANZO	315.00	315.00
4/22/26	44869	J.T. MARTIN	2020SC 1015SC	Invoice: 10993 J.T. MARTIN	270.00	270.00
4/22/26	44870	LINCOLN CONCEPTS	2020SC 1015SC	Invoice: 32026 LINCOLN CONCEPTS	5,750.00	5,750.00
4/22/26	44871	MCCAMPBELL ANALYTICAL, INC.	2020SC 1015SC	Invoice: 2603E95 MCCAMPBELL ANALYTICAL, INC.	89.00	89.00
4/22/26	44872	MERIDIAN UTILITY EQUIPMENT SA	2020SC 2020SC 1015SC	Invoice: SAC-104316 Invoice: SAC-11295 MERIDIAN UTILITY EQUIPMENT SALES	5,289.90 2,610.00	7,899.90
4/22/26	44873	NORTHWEST HYDRAULIC CONSUL	2020SC 1015SC	Invoice: 34710 NORTHWEST HYDRAULIC CONSULTANT	4,733.75	4,733.75
4/22/26	44874	ALANNAH LEANNE ORR	2020SC 1015SC	Invoice: LBO INC MAR 2026 ALANNAH LEANNE ORR	740.00	740.00
4/22/26	44875	PACIFIC ACE HARDWARE	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: 401100 Invoice: 401729 Invoice: 401754 Invoice: 401813 Invoice: 401818 Invoice: 402005 Invoice: 401985 Invoice: 402052 Invoice: 402472 Invoice: 402516 PACIFIC ACE HARDWARE	33.27 42.88 16.85 44.47 78.44 8.64 7.73 44.76 6.66 38.50	322.20

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4/22/26	44876	PACIFIC NEON COMPANY	2020SC 1015SC	Invoice: 260227-1 PACIFIC NEON COMPANY	111.09	111.09
4/22/26	44877	PAMALA DAVIS	2020SC 1015SC	Invoice: LBO INC MAR 2026 PAMALA DAVIS	420.00	420.00
4/22/26	44878	PISANI'S AUTO PARTS	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: 071565 Invoice: 071566 Invoice: 071914 Invoice: 072304 Invoice: 072394 Invoice: 072396 Invoice: 072621 Invoice: 072622 Invoice: 072863 Invoice: 073013 PISANI'S AUTO PARTS	32.41 111.63 75.39 148.98 144.99 124.61 21.63 145.06 24.35 20.11	849.16
4/22/26	44879	BERRYESSA SMI OPCO L	2020SC 1015SC	Invoice: LBO BUS MAR 2026 BERRYESSA SMI OPCO L	1,830.00	1,830.00
4/22/26	44880	ROYAL ELK PARK MANAGMENT, I	2020SC 1015SC	Invoice: LBO BUS MAR 2026 ROYAL ELK PARK MANAGMENT, INC	3,950.00	3,950.00
4/22/26	44881	NORTH BAY RATTLESNAKE REMO	2020SC 1015SC	Invoice: 497 NORTH BAY RATTLESNAKE REMOVAL	850.00	850.00
4/22/26	44882	RECOLOGY VACAVILLE SOLANO	2020SC 1015SC	Invoice: 8551004164145 RECOLOGY VACAVILLE SOLANO	51.56	51.56
4/22/26	44883	RECOLOGY HAY ROAD	2020SC 1015SC	Invoice: 3052772 RECOLOGY HAY ROAD	45.00	45.00
4/22/26	44884	REGIONAL GOVERNMENT SERVIC	2020SC 1015SC	Invoice: 20901 REGIONAL GOVERNMENT SERVICES AUTHORITY	152.80	152.80
4/22/26	44885	RICHARD HEATH & ASSOCIATES, I	2020SC 1015SC	Invoice: WCP-460 RICHARD HEATH & ASSOCIATES, INC.	6,600.87	6,600.87
4/22/26	44886	JERAMIE RIVERA	2020SC 1015SC	Invoice: LBO INC MAR 2026 JERAMIE RIVERA	1,080.00	1,080.00
4/22/26	44887	ROCK STEADY JUGGLING	2020SC 1015SC	Invoice: 1766 ROCK STEADY JUGGLING	8,250.00	8,250.00
4/22/26	44888	SOLANO COUNTY FLEET MANAGE	2020U 1015SC	Invoice: MAR - 2026 SOLANO COUNTY FLEET MANAGEMENT	292.32	292.32
4/22/26	44889	SOLANO IRRIGATION DISTRICT	2020SC 2020SC 1015SC	Invoice: 0050355 Invoice: 0051392 SOLANO IRRIGATION DISTRICT	100,763.11 2,264.42	103,027.53
4/22/26	44890	SOMACH, SIMMONS & DUNN	2020N 2020N 1015SC	Invoice: 3027072 Invoice: 3027073 SOMACH, SIMMONS & DUNN	2,140.00 197.50	2,337.50
4/22/26	44891	SPENCER BUILDING MAINTENANC	2020SC 1015SC	Invoice: 719629 SPENCER BUILDING MAINTENANCE	1,798.05	1,798.05
4/22/26	44892	STATE WATER CONTRACTORS	2020SC 1015SC	Invoice: 113 STATE WATER CONTRACTORS	6,453.00	6,453.00
4/22/26	44893	STEELE CANYON CAMPGROUND	2020SC 1015SC	Invoice: LBO BUS MAR 2026 STEELE CANYON CAMPGROUND	5,095.00	5,095.00
4/22/26	44894	STERLING MAY EQUIPMENT CO.	2020SC	Invoice: 318521	824.98	

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			1015SC	STERLING MAY EQUIPMENT CO.		824.98
4/22/26	44895	TERRA REALTY ADVISORS, INC.	2020SC 1015SC	Invoice: 2026-02314 TERRA REALTY ADVISORS, INC.	2,460.68	2,460.68
4/22/26	44896	ANTHONY MASSIE	2020SC 1015SC	Invoice: LBO INC MAR 2026 ANTHONY MASSIE	1,270.00	1,270.00
4/22/26	44897	TRPA FISH BIOLOGISTS	2020SC 2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: 596 Invoice: 597 Invoice: 598 Invoice: 599 Invoice: 600 TRPA FISH BIOLOGISTS	9,349.98 1,800.00 900.00 100.00 875.00	13,024.98
4/22/26	44898	PATRICIA KIRKPATRICK	2020SC 1015SC	Invoice: PATRICIA KIRKPATRICK PATRICIA KIRKPATRICK	1,128.15	1,128.15
4/22/26	44899	GREGORY M UNDERWOOD	2020SC 1015SC	Invoice: GREGORY M UNDERWOOD GREGORY M UNDERWOOD	645.00	645.00
4/22/26	44900	JOSEPH ALMEIDA	2020SC 1015SC	Invoice: JOSEPH ALMEIDA JOSEPH ALMEIDA	1,500.00	1,500.00
4/22/26	44901	STEVE GEIST	2020SC 1015SC	Invoice: STEVE - GEIST STEVE GEIST	54.99	54.99
4/22/26	44902	TREVOR MACENSKI	2020SC 1015SC	Invoice: TREVOR MACENSKI TREVOR MACENSKI	900.00	900.00
4/22/26	44903	ULINE, INC.	2020SC 1015SC	Invoice: 205194644 ULINE, INC.	3,667.83	3,667.83
4/22/26	44904	CRYSTAL VANWART	2020SC 1015SC	Invoice: LBO INC MAR 2026 CRYSTAL VANWART	40.00	40.00
4/22/26	44905	VERIZON WIRELESS	2020SC 1015SC	Invoice: 6140334139 VERIZON WIRELESS	1,645.50	1,645.50
4/22/26	44906	VICTOR PAUL CLAASSEN	2020SC 1015SC	Invoice: 17 & 18 VICTOR PAUL CLAASSEN	6,232.00	6,232.00
4/22/26	44907	JOHN B WHITCOMB	2020SC 1015SC	Invoice: 612 JOHN B WHITCOMB	12,348.00	12,348.00
4/22/26	44908	JUSTIN CHICO	2020SC 1015SC	Invoice: JUSTIN CHICO JUSTIN CHICO	99.50	99.50
4/22/26	44909	ERLINDA HARRIS	2020SC 1015SC	Invoice: ERLINDA HARRIS ERLINDA HARRIS	41.49	41.49
4/22/26	44910	MICHAEL EMLEY	2020SC 1015SC	Invoice: MICHAEL EMLEY MICHAEL EMLEY	63.78	63.78
4/22/26	44911	MANUEL GONZALEZ	2020SC 1015SC	Invoice: MANUEL GONZALEZ MANUEL GONZALEZ	39.99	39.99
4/22/26	44912	ROBERT LOWRY	2020SC 1015SC	Invoice: ROBERT LOWRY ROBERT LOWRY	92.27	92.27
4/22/26	44913	ALI MAHALATINIA	2020SC 1015SC	Invoice: ALI MAHALATINIA ALI MAHALATINIA	63.78	63.78
4/22/26	44914	PATRICK MCGRAW	2020SC 1015SC	Invoice: PATRICK MCGRAW PATRICK MCGRAW	59.99	59.99
4/22/26	44915	JIM MCLAUGHLIN	2020SC 1015SC	Invoice: JIM MCLAUGHLIN JIM MCLAUGHLIN	59.00	59.00
4/22/26	44916	CHARLES PODREBARAC	2020SC 1015SC	Invoice: CHARLES PODREBARAC CHARLES PODREBARAC	35.09	35.09

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4/22/26	44917	MARJA SANTOS	2020SC 1015SC	Invoice: MARJA SANTOS MARJA SANTOS	40.35	40.35
4/22/26	44918	LEOPOLDO TLATELPA	2020SC 1015SC	Invoice: LEOPOLDO TLATELPA LEOPOLDO TLATELPA	89.55	89.55
4/22/26	44919	JACOB WALSH	2020SC 1015SC	Invoice: JACOB WALSH JACOB WALSH	66.49	66.49
4/22/26	44920	SUSAN WALTERS	2020SC 1015SC	Invoice: SUSAN WALTERS SUSAN WALTERS	100.00	100.00
4/22/26	44921	LESLIE WARNER	2020SC 1015SC	Invoice: LESLIE WARNER LESLIE WARNER	39.99	39.99
4/22/26	44922	MATTHEW WEINSTEIN	2020SC 1015SC	Invoice: LBO INC MAR 2026 MATTHEW WEINSTEIN	125.00	125.00
4/22/26	44923	WEST YOST & ASSOCIATES, INC.	2020SC 1015SC	Invoice: 2066739 WEST YOST & ASSOCIATES, INC.	8,752.75	8,752.75
4/22/26	44924	CAL.NET INC. - WINTERS	2020SC 1015SC	Invoice: 4153308 CAL.NET INC. - WINTERS	595.00	595.00
4/22/26	44925	WESTLEY MILLER	2020SC 1015SC	Invoice: LBO INC MAR 2026 WESTLEY MILLER	745.00	745.00
4/22/26	44926	MARKLEY COVE RESORT	2020SC 1015SC	Invoice: LBO STAFF MAR 2026 MARKLEY COVE RESORT	15,000.00	15,000.00
4/22/26	44927	MARKLEY COVE RESORT	2020SC 1015SC	Invoice: LBO BUS MAR 2026 MARKLEY COVE RESORT	15,000.00	15,000.00
4/22/26	44928	HOLLIS ELIZABETH GUTIERREZ	2020SC 1015SC	Invoice: LBO INC MAR 2026 HOLLIS ELIZABETH GUTIERREZ	950.00	950.00
4/22/26	44929	JULIE FEATHERSTON	2020SC 1015SC	Invoice: LBO INC MAR 2026 JULIE FEATHERSTON	240.00	240.00
4/25/26	BARR	UMPQUA BANK	2020SC 1015SC	Invoice: BARR MAR 2026 UMPQUA BANK	0.99	0.99
4/25/26	CAMAD	UMPQUA BANK	2020SC 1015SC	Invoice: CAMADDO MAR 2026 UMPQUA BANK	28.00	28.00
4/25/26	CUETA	UMPQUA BANK	2020SC 1015SC	Invoice: CUETARA MAR 2026 UMPQUA BANK	1,538.64	1,538.64
4/25/26	EVANS	UMPQUA BANK	2020SC 1015SC	Invoice: EVANS MAR 2026 UMPQUA BANK	1,243.48	1,243.48
4/25/26	FEHRE	UMPQUA BANK	2020SC 1015SC	Invoice: FEHRENKAMP MAR 2026 UMPQUA BANK	254.23	254.23
4/25/26	FERRE	UMPQUA BANK	2020SC 1015SC	Invoice: FERRENTINO MAR 2026 UMPQUA BANK	378.60	378.60
4/25/26	FOWLE	UMPQUA BANK	2020SC 1015SC	Invoice: FOWLER MAR 2026 UMPQUA BANK	863.66	863.66
4/25/26	FOX M	UMPQUA BANK	2020SC 1015SC	Invoice: FOX MAR 2026 UMPQUA BANK	2,047.44	2,047.44
4/25/26	GANTN	UMPQUA BANK	2020SC 1015SC	Invoice: GANTNER MAR 2026 UMPQUA BANK	4,279.50	4,279.50
4/25/26	HYER	UMPQUA BANK	2020SC 1015SC	Invoice: HYER MAR 2026 UMPQUA BANK	216.38	216.38
4/25/26	LAMPKI	UMPQUA BANK	2020SC 1015SC	Invoice: LAMPKIN MAR 2026 UMPQUA BANK	985.44	985.44

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4/25/26	LEE MA	UMPQUA BANK	2020SC 1015SC	Invoice: LEE MAR 2026 UMPQUA BANK	116.97	116.97
4/25/26	MOORE	UMPQUA BANK	2020SC 1015SC	Invoice: MOORE MAR 2026 UMPQUA BANK	276.14	276.14
4/25/26	POORE	UMPQUA BANK	2020SC 1015SC	Invoice: POORE MAR 2026 UMPQUA BANK	720.00	720.00
4/25/26	RABID	UMPQUA BANK	2020SC 1015SC	Invoice: RABIDOUX MAR 2026 UMPQUA BANK	8,258.46	8,258.46
4/25/26	SHTAY	UMPQUA BANK	2020SC 1015SC	Invoice: SHTAYYEH MAR 2026 UMPQUA BANK	196.86	196.86
4/25/26	SOREN	UMPQUA BANK	2020SC 1015SC	Invoice: SORENSEN MAR 2026 UMPQUA BANK	785.58	785.58
4/25/26	STEVE	UMPQUA BANK	2020SC 1015SC	Invoice: STEVENSON MAR 2026 UMPQUA BANK	1,155.00	1,155.00
4/25/26	TURLE	UMPQUA BANK	2020SC 1015SC	Invoice: TURLEY MAR 2026 UMPQUA BANK	1,086.06	1,086.06
4/25/26	WILLIN	UMPQUA BANK	2020SC 1015SC	Invoice: WILLINGMYRE MAR 2026 UMPQUA BANK	4,832.53	4,832.53
4/29/26	44930	ACWA JOINT POWERS INSURANCE	2020SC 1015SC	Invoice: 843 ACWA JOINT POWERS INSURANCE AUTHORIT	45,765.35	45,765.35
4/29/26	44931	CONNOISSEUR MEDIA HOLDCO, IN	2020SC 2020SC 1015SC	Invoice: 1677736-6 Invoice: 1677737-7 CONNOISSEUR MEDIA HOLDCO, INC	3,000.00 3,000.00	6,000.00
4/29/26	44932	BOWMAN CONSULTING GROUP	2020N 1015SC	Invoice: 552213 BOWMAN CONSULTING GROUP	1,013.75	1,013.75
4/29/26	44933	JACOBS ENGINEERING GROUP	2020SC 1015SC	Invoice: D4009900-002 JACOBS ENGINEERING GROUP	17,693.50	17,693.50
4/29/26	44934	CINTAS CORPORATION	2020SC 2020SC 1015SC	Invoice: 9366090435 Invoice: 9366148715 CINTAS CORPORATION	144.61 159.99	304.60
4/29/26	44935	CONNREX DIGITAL	2020SC 2020SC 2020SC 2020SC 1015SC	Invoice: 30634 Invoice: 30635 Invoice: 30710 Invoice: 30709 CONNREX DIGITAL	3,000.00 3,000.00 3,000.00 3,000.00	12,000.00
4/29/26	44936	LSA ASSOCIATES, INC.	2020SC 1015SC	Invoice: 203530 LSA ASSOCIATES, INC.	42,329.26	42,329.26
4/29/26	44937	RECOLOGY VACAVILLE SOLANO	2020SC 1015SC	Invoice: 8551004164391 RECOLOGY VACAVILLE SOLANO	303.00	303.00
4/29/26	44938	SUPERIOR PLUS PROPANE	2020SC 2020SC 1015SC	Invoice: 35961327 Invoice: 36165397 SUPERIOR PLUS PROPANE	17.18 8.59	25.77
4/29/26	44939	SOLANO IRRIGATION DISTRICT	2020SC 2020SC 1015SC	Invoice: 0051378 Invoice: 0051379 SOLANO IRRIGATION DISTRICT	74,011.08 137,634.34	211,645.42
4/29/26	44940	WEST YOST & ASSOCIATES, INC.	2020SC 1015SC	Invoice: 2066614 WEST YOST & ASSOCIATES, INC.	961.75	961.75
4/29/26	44941	YELLOW SPRINGS INSTRUMENT C	2020SC 1015SC	Invoice: 1194875 YELLOW SPRINGS INSTRUMENT CO.	2,683.68	2,683.68
4/29/26	44942	STEVEN BIRD	2020SC	Invoice: APR 2026 BOD MTG	167.28	

SOLANO COUNTY WATER AGENCY  
Cash Disbursements Journal  
For the Period From Apr 1, 2026 to Apr 30, 2026

Filter Criteria includes: Report order is by Date. Report is printed in Detail Format.

<b>Date</b>	<b>Check #</b>	<b>Name</b>	<b>Account I</b>	<b>Line Description</b>	<b>Debit Amoun</b>	<b>Credit Amou</b>
			1015SC	STEVEN BIRD		167.28
4/29/26	44943	JOHN D. KLUGE	2020SC	Invoice: APR 2026 BOD MTG	150.00	
			1015SC	JOHN D. KLUGE		150.00
4/29/26	44944	STEVE YOUNG	2020SC	Invoice: APR 2026 BOD MTG	196.08	
			1015SC	STEVE YOUNG		196.08
4/29/26	EFT 4/2	FEDEX EXPRESS	2020SC	Invoice: 9-249-82984	156.48	
			1015SC	FEDEX EXPRESS		156.48
4/29/26	EFT 4/2	PACIFIC GAS & ELECTRIC CO,	2020SC	Invoice: 3/13/26 - 4/12/26	3,201.87	
			1015SC	PACIFIC GAS & ELECTRIC CO,		3,201.87
	Total				<u>2,109,898.06</u>	<u>2,109,898.06</u>

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Purchase Order for Culvert and Riser Assembly at Road 106A

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RECOMMENDATIONS:

Authorize General Manager to execute Purchase Order (PO) with Briggs Mfg, Inc. for the purchase of 2 x 72-inch Culverts and Twin Track Weir assemblage for the Road 106A crossing on Lower Putah Creek.

FINANCIAL IMPACT:


The Purchase Order is for \$47,588.60. There is sufficient funding in the FY 2025-2026 Solano Project – Healthy Rivers & Landscape budget for this purchase.

BACKGROUND:

Lower Putah Creek has two major fish passage barriers, the Los Rios Check Dam and the Road 106A crossing. The existing culverts at Road 106A are highly corroded and not passable by fish. The purpose of this PO is to purchase new culverts and corresponding weir board assembly that will be installed by the onsite farmer. The new culverts will be installed lower in the creek to support fish passage while also continuing to support existing agricultural operations. The purchase will help support the Putah Creek Water Management (PCWM) process while also continuing to advance the Healthy Rivers & Landscape program.

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Funding the 106A Culverts and Weir Assemblage for Lower Putah Creek is consistent with Goal #1 (Water Supply Management), Goal #2 (Water Management Infrastructure), Goal #4 (Water Resource Resiliency), and Goal #7 (Natural Resource Stewardship).

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

Approved as  
Recommended

Other  
(see below)

Continued on  
next page

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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

---

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

ORDERED BY:

**SOLANO COUNTY WATER AGENCY**

810 VACA VALLEY PARKWAY  
SUITE 202  
VACAVILLE, CA 95688  
U.S.A.

Voice: 707-451-1100  
Fax: 707-451-6099

# PURCHASE ORDER

Purchase Order No.: A26-055  
Date Issued: 4/1/26

To:
BRIGGS MFG, INC. 2286 COUNTY ROAD N WILLOWS, CA 95988

Ship To:
SOLANO COUNTY WATER AGENCY 810 VACA VALLEY PARKWAY SUITE 202 VACAVILLE, CA 95688 U.S.A.

Good Thru	Ship Via	Account No.	Terms
5/1/26			Net 30 Days

Quantity	Item	Description	Unit Cost	Amount
2.00		TWIN TRACK WEIR 6' W X 8' H 2 1/2" BOARD TRACKS	4,000.00	8,000.00
1.00		TWIN TRACK WEIR 5' W X 8' H 2 1/2" BOARD TRACKS BLANK SPACER	1,705.00	1,705.00
1.00		HARDWARE & PREP FOR BOLTING TT58 TOGETHER	1,500.00	1,500.00
2.00		TAIL WALL WITH SLOPED WALLS 72" X 96"	3,500.00	7,000.00
80.00		72 INCH 10 GAGE ALUMIZED CMP CULVERT PIPES TWO 40 FT SECTIONS	289.63	23,170.40
4.00		72" 10-C CORRUGATED COUPLER	253.65	1,014.60
1.00		DELIVERY	1,930.00	1,930.00
1.00		TAX	3,268.60	3,268.60
			<b>TOTAL</b>	<b>\$47,588.60</b>

Authorized Signature \_\_\_\_\_

# SOLANO COUNTY WATER AGENCY

## PURCHASE ORDER REQUISITION FORM



**Vendor Name:** Briggs MFG Inc  
**Vendor Address:** 2286 County Road N  
Willows, CA

**BILL TO:** Solano County Water Agency  
 810 Vaca Valley Parkway, Suite 203  
 Vacaville, CA 95688  
 (707) 451-6090

**Phone #:** (530) 934-2663

**Agency Contact:** Zach Hyer  
**Direct Phone:** 707-898-0064

**FAX #:** \_\_\_\_\_

**SHIP TO:** Solano County Water Agency  
 810 Vaca Valley Parkway, Suite 203  
 Vacaville, CA 95688

**PAYMENT TERMS: 30 Days**

DATE	Purchase Order Number	Quote Number/Customer Number	G/L Account Number
4/27/2026			6618SC-5054

QTY	Item Description	Unit Price	Ext. Price
2	Twin Track Weir 6' W X 8' H 2 1/2" Board Tracks	\$4,000.00	\$ 8,000.00
1	Twin Track Weir 5' W X 8' H 2 1/2" Board Tracks Blank Spacer	\$1,705.00	\$ 1,705.00
1	Hardware & Prep for bolting TT58 together	\$1,500.00	\$ 1,500.00
2	Tail wall with sloped walls 72" X 96"	\$7,000.00	\$ 7,000.00
2	72 Inch Alumized CMP Culvert Pipes Two 40 Ft sections	\$23,170.40	\$ 23,170.40
4	72' 10 C Corrugated Coupler	\$1,014.60	\$ 1,014.60
1	Delivery	\$1,930.00	\$ 1,930.00
1	Tax	\$3,268.60	\$ 3,268.60
			\$ -
			\$ -
			\$ -

**Reason the Purchase is Needed:** Preserving fish passage upstream of the 106 A culverts

<b>Is Item in the Approved Budget :</b>	Yes	<b>Where in the Budget:</b>	6618SC-5054	
---	-----	-----------------------------	-------------	--

	Sub Total: \$ <b>47,588.60</b>
	Tax: _____
	Shipping: <u>N/A</u>
<b>Signature</b> _____	<b>Date</b> _____
	<b>TOTAL \$ 47,588.60</b>

# BRIGGS MFG, INC.

# Estimate

2286 County Road N  
Willows, CA 95988



**Water Control Structures**  
Since 1982

5228

4/21/2026

### Customer

Solano County Water Agency

### Ship To

Project

F.O.B.

Contact

Phone Number

Description	Quantity	Rate	Unit	Total
Twin Track™ Weir 6' W X 8' H 2 1/2" Board Tracks	2	4,000.00		8,000.00
Twin Track™ Weir 5' W X 8' H 2 1/2" Board Tracks Blank Spacer for middle of Head walls	1	1,705.00		1,705.00
Hardware & prep for bolting TT58 together	1	1,500.00		1,500.00
Tail Wall with Sloped Walls 72" X 96"	2	3,500.00		7,000.00
72" 10 Gage Aluminized CMP	80	289.63		23,170.40
72" 10-C Corrugated Coupler	4	253.65		1,014.60
Delivered and unloaded with Boom Truck at staging area	6	225.00		1,350.00
Goose Neck / Customer Unloads Pipe	4	145.00		580.00
Sales Tax Rate may change due to delivery address		0.00		0.00

(530) 934-2663 concrete@willows.net www.briggsconcrete.com

**Subtotal** \$44,320.00

**Sales Tax (7.375%)** \$3,268.60

**Total** \$47,588.60

Estimates must be signed for a Sales Order to be created.

Sales tax rates may change depending on delivery location.

Prices are subject to change.

Signature \_\_\_\_\_

Accounts are due 30 days from purchase.



*Image of similar set up.  
Ours will be metal.*

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: State Water Project – One Year Water Transfer of 390-AF of Table A water

RECOMMENDATIONS:

1. Authorize General Manager to execute Agreement between Department of Water Resources (DWR), Water Agency, and a State Water Contractor(s), for transfer of up to 390 acre-feet of Table A water, or prior exchange water (2018 agreements), on behalf of the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City.
2. Authorize the General Manager to sign Letters of Understanding between Water Agency and the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City memorializing SCWA’s facilitation role in transfer of Table A and/or exchange water (2018 agreements) allocated to the Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City to a State Water Contractor(s).


FINANCIAL IMPACT:

None.

BACKGROUND:

The Board of Directors adopted the Water Transfer and Exchange Policy (Water Policy) at their July 8, 2021, meeting (attached). As the Board of Directors will recall, the Water Agency holds the master contract with the Department of Water Resources for State Water Project (SWP) water. The Water Agency is a pass through for this water; each Member Agency has a specific allocation of SWP water.

At the March 25 SWAC meeting, several Member Agencies (Cities of Benicia, Vallejo, Vacaville, Fairfield, and Suisun City) expressed interest in offering excess SWP water for transfer. None of the Solano NBA Member Agencies have any interest in obtaining additional SWP water this year. Staff have been in contact with other State Water Contractors (SWCs) to see if there is any interest in the transfer of this water.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

Approved as Recommended       Other (see below)       Continued on next page

Modification to Recommendation and/or other actions:

I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

\_\_\_\_\_  
Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

**Page 2**

Per the Water Policy, the Board of Directors must approve any Out-of-County transfers or exchanges of SWP water. At the March 25 SWAC meeting, it was requested of the General Manager to seek authorization from the Board of Directors to execute an agreement with any SWC that is willing to accept this transfer of SWP water. Staff are in contact with DWR and SWCs and are working on terms and an agreement for this potential transfer of SWP water. Staff are also in contact with the Cities to develop letters of understanding memorializing SCWA's facilitation role for this transfer of SWP water.

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Facilitating exchange, transfers, or sales of State Water Project water on behalf of Member Agencies is consistent with Goal #1-Water Supply Management (*Optimize the management of the region's current and future water resources in a sustainable manner*).

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Amendment with West Yost for PSC Overchutes

RECOMMENDATIONS:

Authorize General Manager to execute Amendment 2 with West Yost Associates for engineering support to complete hydrologic and hydraulic evaluation for overbank spill north of overchute 890+70 along the Putah South Canal (PSC). Area of concern is east of Peabody Road and south of Union Creek.

FINANCIAL IMPACT:


Amendment 2 will increase the contract amount by \$22,000, from \$143,800 to \$165,800. Funding is programmed and available in the FY 2025-2026 Solano Project budget for this expense.

BACKGROUND:

The Water Agency is responsible for operation and maintenance for the federally owned Solano Project. During a recent site visit, a few locations were observed to have biological growth and staining along the concrete panels indicating persistent moisture and water is either entering the canal through surface flow or groundwater seepage. Union Creek flows northwest to southeast in which the area of concern is slightly south of Union Creek. Although West Yost recently completed a model assessing a portion of the watershed correlated to the overchutes near North Bay Regional Treatment Plant, the model does not extend sufficiently north to quantify the newly observed locations of concern. Additional hydraulic analysis and extension of the model is needed to better understand the overall watershed and its impacts on the PSC. Therefore, staff recommend extending the model and completing additional assessment to better understand the entire watershed and the potential flows to the PSC. This assessment will provide appropriate mitigation measures to reduce the risk of future failure.

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Modifying the model and the associated hydraulic analysis in order to better manage the existing infrastructure is consistent with Goal #2- (Water Management Infrastructure: Optimize the use of Water Agency managed infrastructure).

Recommended:   
Chris Lee, General Manager

Approved as  
Recommended

Other  
(see below)

Continued on  
next page

Modification to Recommendation and/or other actions:

I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency  
MAY.2026.Itm6E

**SOLANO COUNTY WATER AGENCY**  
**AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES**

AMENDMENT NUMBER: 2

CONTRACTOR: West Yost Associates (WYA)

EFFECTIVE DATE: May 14, 2026

PROJECT: PSC Overchutes and H&H Evaluation

DESCRIPTION OF AMENDMENT:

1. Increase contract amount by \$22,000, from \$143,800 to \$165,800, engineering support for hydrologic and hydraulic evaluation for overbank spill north of overchute 890+70 along the Putah South Canal (PSC), as described in Exhibit A.
2. Extend term of contract through June 30, 2027.

SIGNATURES:

Solano County Water Agency,  
A Public Agency

West Yost Associates

By: \_\_\_\_\_  
Chris Lee, General Manager  
General Manager  
Solano County Water Agency

By: \_\_\_\_\_  
Elizabeth T. Drayer,  
Vice President  
West Yost Associates

---

**FOR SCWA USE ONLY**

Contract Period: Sept 4, 2025 to June 30, 2027  
File Number: AG-W-7  
Account Manager: D. Barr  
G/L Account #: 6140SC  
Job Cost #: \_\_\_\_\_  
Contract Type: PSA-Amendment  
Contractor PM Email: dmoore@wesstyost.com

## EXHIBIT A

### SCOPE OF SERVICES

#### **Task 1- PSC Overbank Flood Evaluation**

##### **Task 1.01 – Hydraulic Model Extension** **\$1,575**

The hydraulic model will be extended sufficiently to the north and east to incorporate Union Creek within the model domain and area of concern.

##### **Task 1.02: Union Creek Hydrology** **\$6,714**

Hydrology for the creek will be estimated using the USGS StreamStats tool. As needed, the watershed will be delineated in GIS, and hydrologic analyses will be performed in accordance with Water Agency standards.

##### **Task 1.03: Boundary Condition** **\$684**

Establish new boundary condition based on data from prior studies and inclusion of Union Creek.

##### **Task 1.04: Modeling and Analysis** **\$1,962**

This evaluation will assess potential runoff flows to the PSC, quantify overbank spill flows, and estimate the maximum water surface elevation at the dirt road, and recommend additional subsurface/groundwater flow evaluations and/or appropriate mitigation measures to reduce the risk of future failure.

##### **Task 1.05: Groundwater Table Evaluation** **\$3,150**

Publicly available groundwater data and air photos will be reviewed to assess groundwater levels in the seepage areas along with old creek channels that may have crossed PSC.

##### **Task 1.06: Draft and Final Tech Memo** **\$5,060**

The scope of work will be summarized and presented in a concise TM. Initially a Draft TM will be provided to the Water Agency for review and West Yost will prepare a Final, stamped and signed TM addressing all questions and comments.

#### **Task 2 – Other Project Support** **\$2,855**

This task serves as a contingency for any additional support the Water Agency may need regarding these efforts.



2020 Research Park Drive  
Suite 100  
Davis CA 95618

530.756.5905 phone  
530.756.5991 fax  
westyost.com

April 14, 2026

SENT VIA: EMAIL

Deborah Barr  
Manager of Engineering  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 202  
Vacaville, CA 95688

**SUBJECT: Proposal to Analyze Overbank Spill North of Overchute (890 + 70) and Its Impacts on PSC Concrete Panels and Potential Groundwater Seepage**

Dear Deborah:

The purpose of this letter proposal is to provide the Solano County Water Agency (SCWA) with a proposed scope of services, budget, and schedule for conducting Hydrologic and Hydraulic (H&H) evaluations of overbank spill into the Putah South Canal (PSC) north of Overchute 890+70.

**SCOPE OF SERVICES**

Our proposed scope of services is provided below by task.

During our site visit, we observed a few locations where the PSC concrete panels appear to be affected by seepage. Biological growth and staining were noted along the concrete panels, indicating persistent moisture exposure likely caused by localized seepage or surface flow entering the canal. These conditions may increase the risk of canal failure; therefore, further analysis and the development of appropriate remedial measures are recommended.

Union Creek flows from northwest to southeast, north of the observed seepage locations. Two larger ponds are located west of the PSC and are separated by Rain Road. West Yost has previously developed a hydrologic and hydraulic model to analyze the overchutes; however, the model does not extend sufficiently to the north and east to quantify potential drainage impacts on the canal panels. Given that the panels are aged and non-reinforced, flooding and seepage could accelerate deterioration and potentially lead to failure.

This evaluation will assess potential runoff flows to the PSC, quantify overbank spill flows, and estimate the maximum water surface elevation at the dirt road, and recommend additional subsurface/groundwater flow evaluations and/or appropriate mitigation measures to reduce the risk of future failure. Given that this seepage is occurring currently, the analysis will be based on current climate conditions and will not be based on future climate change factors.

**Task 3. PSC Overbank Flood Evaluation**

Task 3 includes the following work:

- **Model Extension to Include Union Creek:** The hydraulic model will be extended sufficiently to the north and east to incorporate Union Creek within the model domain.
- **Union Creek Hydrology:** Union Creek is mapped by FEMA as an approximate Zone A, and detailed hydrologic data are not available. Therefore, hydrology for the creek will be estimated using the USGS StreamStats tool. If needed, the watershed will be delineated in GIS and hydrologic analyses will be performed in accordance with agency standards.
- **Boundary Conditions:** With the inclusion of Union Creek in the model, available data from prior studies will be reviewed to establish boundary conditions. If known water surface elevations are available, they will be applied; otherwise, a normal depth (free flow) boundary condition based on Manning's equation will be used.
- **Ground Water Evaluation:** Publicly available groundwater data will be reviewed to assess groundwater levels in the seepage areas. If high groundwater conditions are identified, West Yost will coordinate with SCWA to discuss potential mitigation approaches. Also, available historical air photos will be located and used to assess if an old creek channel may have crossed PSC at the location of the seepage.
- **Storm Event:** The analysis will be performed for the 15-year and 100-year design storm events.

We will prepare Draft and Final TMs. The work above will be presented in a concise Draft TM. We will attend one Teams meeting with SCWA staff to discuss the Draft TM. SCWA is to share the Draft TM with others as needed and collect comments and questions on the Draft TM. West Yost will prepare a Final, stamped and signed TM addressing the questions and comments. If additional work beyond the tasks described above is needed to address the comments and questions, we will request a contract amendment to cover that work.

#### Task 3 Deliverables

- Draft and Final TMs.
- Model files.

## PROJECT BUDGET

Our proposed budget is summarized in Attachment A. Attachment B provides West Yost's 2026 Billing Rate Schedule.

## SCHEDULE

Our proposed schedule is summarized below:

- Initial Draft TM: 10 weeks after receiving the executed contract, notice to proceed, and any required data.
- Final TM: 4 weeks after receiving comments on the draft version of the TM.

Thank you for providing West Yost the opportunity to be of continued service to Solano County Water Agency. We look forward to collaborating with you on this important project. Please call me at 530-574-3905 if you have any questions or require additional information. We are happy to refine this proposal to better meet your needs if that would be helpful.

Sincerely,  
WEST YOST

Deborah Barr  
April 14, 2026  
Page 3



Douglas T. Moore, PE  
Engineering Manager  
RCE #58122

Attachments: Attachment A. Budget Spreadsheet  
Attachment B. West Yost's 2026 Billing Rate Schedule

## Attachment A

### Budget Spreadsheet

West Yost Associates PROJECT: PSC Southern two Overchute Evaluation		EM/SM/GM II \$387 D Moore	SE/SS/SG I \$297 B Bhatta	ESG III \$231	TA II \$176	P \$392 M Duffy	Labor		SVR	Costs		
							Hours	Fee		Sub. w/ markup 10%	Other Direct	Total Costs
<b>Task 1</b>	<b>Overchute Overbank Flooding Evaluations</b>											
1.01	Hydraulic Model Extension	1	4				5	\$ 1,575				\$ 1,575
1.02	Union Creek Hydrology	2	20				22	\$ 6,714				\$ 6,714
1.03	Boundary Condition	1	1				2	\$ 684				\$ 684
1.04	Modeling and Analysis	2	4				6	\$ 1,962				\$ 1,962
1.05	Ground Water Table Evaluation	2	8				10	\$ 3,150				\$ 3,150
1.06	Draft and Final TMs	4	8		2	2	16	\$ 5,060				\$ 5,060
<b>Subtotal, Task 1 (hours)</b>		<b>12</b>	<b>45</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>61</b>					
<b>Subtotal, Task 1 (\$)</b>		<b>\$ 4,644</b>	<b>\$ 13,365</b>		<b>\$ 352</b>	<b>\$ 784</b>		<b>\$ 19,145</b>				<b>\$ 19,145</b>
<b>TOTAL (hours)</b>		<b>12</b>	<b>45</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>61</b>					
<b>TOTAL (\$)</b>		<b>\$ 4,644</b>	<b>\$ 13,365</b>		<b>\$ 352</b>	<b>\$ 784</b>		<b>\$ 19,145</b>		<b>\$ 0</b>		<b>\$ 19,145</b>



## West Yost's 2026 Billing Rate Schedule

## 2026 Billing Rate Schedule

(Effective January 1, 2026, through December 31, 2026)\*

POSITIONS	LABOR CHARGES (DOLLARS PER HOUR)
<b>ENGINEERING</b>	
Principal/Vice President	\$392
Engineer/Scientist/Geologist Manager I / II	\$370 / \$387
Principal Engineer/Scientist/Geologist I / II	\$333 / \$355
Senior Engineer/Scientist/Geologist I / II	\$297 / \$312
Associate Engineer/Scientist/Geologist I / II	\$246 / \$265
Engineer/Scientist/Geologist I / II / III	\$191 / \$221 / \$231
Engineering Aide	\$117
Field Monitoring Services	\$145
Administrative I / II / III / IV	\$107 / \$133 / \$160 / \$176
<b>ENGINEERING TECHNOLOGY</b>	
Engineering Tech Manager I / II	\$384 / \$387
Principal Tech Specialist I / II	\$353 / \$365
Senior Tech Specialist I / II	\$320 / \$334
Senior GIS Analyst	\$292
GIS Analyst	\$277
Technical Specialist I / II / III / IV	\$206 / \$231 / \$261 / \$291
Technical Analyst I / II	\$148 / \$176
Technical Analyst Intern	\$119
Cross-Connection Control Specialist I / II / III / IV	\$154 / \$167 / \$188 / \$208
CAD Manager	\$233
CAD Designer I / II	\$181 / \$204
<b>CONSTRUCTION MANAGEMENT</b>	
Senior Construction Manager	\$373
Construction Manager I / II / III / IV	\$222 / \$237 / \$251 / \$318
Resident Inspector (Prevailing Wage Groups 4 / 3 / 2 / 1)	\$200 / \$222 / \$247 / \$256
Apprentice Inspector	\$181
CM Administrative I / II	\$96 / \$130
Field Services	\$256

- Hourly rates include charges for technology and communication, such as general and CAD computer software, telephone calls, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside services, such as vendor reproductions, prints, and shipping; major West Yost reproduction efforts; as well as engineering supplies, etc., will be billed at the actual cost plus 15%.
- The Federal Mileage Rate will be used for mileage charges and will be based on the Federal Mileage Rate applicable to when the mileage costs were incurred. Travel other than mileage will be billed at cost.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness services, research, technical review, analysis, preparation, and meetings will be billed at 150% of standard hourly rates. Expert witness testimony and depositions will be billed at 200% of standard hourly rates.
- A finance charge of 1.5% per month (an annual rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

## 2026 Billing Rate Schedule

(Effective January 1, 2026, through December 31, 2026)\*

### Equipment Charges

EQUIPMENT	BILLING RATES
2" Purge Pump & Control Box	\$300 / day
Aquacalc / Pygmy or AA Flow Meter	\$28 / day
Emergency SCADA System	\$35 / day
Field Vehicles (Groundwater)	\$200 / day
Gas Detector	\$80 / day
Generator	\$60 / day
Hydrant Pressure Gauge	\$10 / day
Hydrant Pressure Recorder, Impulse (Transient)	\$55 / day
Hydrant Pressure Recorder, Standard	\$40 / day
Low Flow Pump Back Pack	\$135 / day
Low Flow Pump Controller	\$200 / day
Powers Water Level Meter	\$32 / day
Precision Water Level Meter 300ft	\$30 / day
Precision Water Level Meter 500ft	\$40 / day
Precision Water Level Meter 700ft	\$45 / day
QED Sample Pro Bladder Pump	\$65 / day
Skydio 2+ Drone (2 hour minimum)	\$100 / hour
Storage Tank	\$20 / day
Sump Pump	\$24 / day
Transducer Communications Cable	\$10 / day
Transducer Components (per installation)	\$23 / day
Trimble GPS – Geo 7x	\$220 / day
Tube Length Counter	\$22 / day
Turbidity Meter	\$30 / day
Turbidity Meter (2100Q Portable)	\$35 / day
Vehicle (Construction Management)	\$18.75 / hour
Water Flow Probe Meter	\$20 / day
Water Quality Meter	\$50 / day
Water Quality Multimeter	\$185 / day
Well Sounder	\$30 / day

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Contract Amendment with Harris & Associates, Inc. for Nishikawa Restoration Project

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RECOMMENDATIONS:

Authorize General Manager to execute Amendment No. 1 with Harris & Associates, Inc. (Harris) for additional environmental documentation and permitting assistance as well as contract duration extension in support of the Lower Putah Creek Chinook Salmon Spawning Habitat Project (Nishikawa Restoration Project).

FINANCIAL IMPACT:


Increase in the three-year contract amount by \$37,000, from \$100,000 to \$137,000. Sufficient funding has been included in the Water Agency's FY 2025-2026 budget under the Putah Creek Grants – Nishikawa Grant Expenses Program for this additional expense.

BACKGROUND:

Environmental permits are required for the Nishikawa salmon spawning and floodplain restoration project on Putah Creek from the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW). This is for compliance with Sections 401, 404, and 408 of the Clean Water Act and Section 1602 of the California Fish and Game Code. The amendment will add four tasks to the contract.

- Task 1 – Resource Agency Permitting Support
- Task 2 – National Environmental Policy Act (NEPA) Documentation
- Task 3 – Project Management and Administration
- Task 4 – Other Project Support

The additional tasks will wrap up the final permitting efforts for the Nishikawa Restoration Project.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

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<input type="checkbox"/> Approved as Recommended	<input type="checkbox"/> Other (see below)	<input checked="" type="checkbox"/> Continued on next page
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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

---

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Finalizing environmental documentation and permitting from the appropriate regulatory agencies for the Nishikawa Restoration Project is consistent with Goal #7 (Natural Resources Stewardship) of the Strategic Plan, which is to develop comprehensive approaches to the stewardship of natural resources.

**SOLANO COUNTY WATER AGENCY**  
**AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES**

AMENDMENT NUMBER: 1  
CONTRACTOR: Harris & Associates, Inc.  
EFFECTIVE DATE: May 14, 2026  
PROJECT: Nishikawa Restoration Project

DESCRIPTION OF AMENDMENT:

1. Increase contract amount by \$37,000, from \$100,000 to \$137,000, for additional environmental documentation and permitting support as described in Exhibit A.
2. Extend term of contract through June 30, 2027.

SIGNATURES:

Solano County Water Agency,  
A Public Agency

Harris & Associates, Inc.

By: \_\_\_\_\_  
Chris Lee, General Manager  
Solano County Water Agency

By: \_\_\_\_\_  
Emily Mastrelli, Director, Natural Resources  
Harris & Associates, Inc.

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**FOR SCWA USE ONLY**

Contract Period: 09/12/2024 to 06/30/2027  
File Number: AG-H-11  
Account Manager: Gavin Poore  
G/L Account #: 6622SC  
Job Cost #: Planning & Permitting  
Contract Type: Professional Services  
Contractor PM Email: Katie.Deodat@weareharris.com

## EXHIBIT A

### SCOPE OF SERVICES

#### **Task 1 – Resource Agency Permitting Support**

Harris & Associates, Inc. (Harris) will coordinate with the Solano County Water Agency (SCWA) and the USACE, RWQCB, and CDFW (collectively referred to as “the agencies”) on the project to finalize and obtain the CWA Section 401, 404, 408 and CFGC Section 1602 permits. Harris will coordinate with the agencies to complete the permit process.

- **1.1 – U.S. Army Corps of Engineers (USACE) Permit** **\$5,480**

The Harris team will assist with continued consultation with USACE for the Nationwide Permit (27) that is in progress. Harris will communicate and provide any required materials to USACE to ensure the Nationwide Permit can be finalized. The Harris team will continue to coordinate with the Sacramento Valley Flood Control District and the USACE to finalize the 408 permit process.

- **1.2 – Regional Water Quality Control Board (RWQCB) Permit** **\$4,828**

The Harris team will update and submit the NOI and application fee payment to RWQCB and assist with consultation and coordination with the RWQCB to ensure the NOI and supporting documents are reviewed in a timely manner and concurrence with the regional general permit is finalized.

**Deliverable:** Draft and final NOI and supporting documents submitted to RWQCB. Fee payment of \$1,123.00 plus a \$30.00 processing fee submitted to RWQCB.

- **1.3 – California Department of Fish and Wildlife (CDFW) Permit** **\$2,080**

The Harris team will assist with consultation and coordination with the CDFW to finalize the Lake and Streambed Alteration Agreement (LSAA). Harris will provide any documentation required by CDFW to finalize the permit. This includes reviewing and providing comments on the draft LSAA, if necessary.

- **1.4 – Resource Agency Coordination** **\$5,540**

CWA Section 404, CWA Section 401, and CFGC Section 1602 LSAA permits will be finalized through coordination between Harris, SCWA, and the agencies and the proactive anticipation and resolution of challenges.

Harris has scoped two staff members for up to two 1-hour agency meetings, along with preparation time, and time for communication through email. Excessive coordination with the agencies (i.e., repeated requests for clarifications and information from the agencies) may require a cost amendment.

**Task 2 – NEPA Documentation**

**\$10,400**

Harris will finalize responses to USACE comments and resubmit the edited EA to the USACE. The Harris team will assist the USACE with responses to any comments resulting from the EA public review period.

This scope of work and cost estimate assumes that one round of comment responses will be necessary as a result of public review.

**Deliverable:** Draft and final EA with USACE comments addressed. Draft and final responses to comments resulting from the EA public review period.

**Task 3 – Project Management and Administration**

**\$3,700**

1. Harris shall be responsible for the performance of tasks, and for the preparation of deliverables as specified in this scope of work.

2. Harris shall provide all technical and administrative services as needed for completion of this scope of work, including monitoring, supervising, and reviewing all work performed. In addition, Harris shall coordinate budgeting and scheduling to ensure that the scope of work is completed within budget, on schedule, and in accordance with approved procedures, applicable laws, and regulations throughout Agreement term.

3. Harris shall ensure that the scope of work requirements are met through completion of monthly invoices submitted to SCWA and through regular communication with SCWA. The monthly invoices shall describe activities undertaken and budget status.

**Task 4 – Other Project Support**

**\$4,972**

This task serves as a contingency for any additional environmental documentation and permitting support SCWA may need for this and other projects on Putah Creek.



March 24, 2026

Gavin R. Poore, Assistant Water Resources Engineer  
Solano County Water Agency  
810 Vaca Valley Parkway, Suite 203  
Vacaville, California 95688

## **PROPOSAL TO PROVIDE ENVIRONMENTAL DOCUMENTATION AND PERMITTING SUPPORT FOR THE NISHIKAWA REACH OF THE LOWER PUTAH CREEK RESTORATION PROJECT IN YOLO AND SOLANO COUNTIES, CALIFORNIA**

Dear Mr. Poore:

Thank you for inviting Harris & Associates (Harris) to submit a proposal to assist the Solano County Water Agency (SCWA) with environmental documentation and permitting support for the Nishikawa Reach of the Lower Putah Creek Restoration Project (project). Harris will work as a team with SCWA to provide the required environmental support for the project. Below is our scope and cost to provide this service.

### **PROJECT UNDERSTANDING**

Harris will assist SCWA with finalizing environmental documentation in compliance with the National Environmental Policy Act (NEPA) for the project. The project entails restoring a 0.5-mile stretch of Putah Creek including rerouting the channel and creating one acre of habitat spawning area. A Mitigated Negative Declaration (MND) in compliance with the California Environmental Quality Act (CEQA) has already been prepared and adopted by SCWA. Permit applications have been submitted to the U.S. Army Corps of Engineers (USACE), Regional Water Quality Control Board (RWQCB), and California Department of Fish and Wildlife (CDFW) for Section 404 and 401 of the Clean Water Act (CWA), and 1602 of the California Fish and Game Code (CFGC), respectively. However, permits have not yet been received from these regulatory agencies.

A CWA Section 408 permit and associated NEPA documentation (determined to be an Environmental Assessment [EA]) were coordinated with USACE under the previous scope of work; however, responding to comments from the USACE were not included. Additionally, upon further coordination with the RWQCB, they had no record of the previous consultants submitting a Notice of Intent (NOI) for inclusion in the statewide Regional General Permit for restoration projects. Therefore, the requested scope of work includes responding to comments from the USACE in the NEPA Environmental Assessment, finalizing the NOI and coordinating with the RWQCB for final approvals, and coordinating with the USACE and CDFW to see final permits issued for the project.

### **SCOPE OF WORK**

The tasks to obtain a Section 408 permit, finalize the Section 404/401 and CFGC 1602 permits, and respond to comments to complete the NEPA EA process for the project are as follows.

#### **TASK 1. RESOURCE AGENCY PERMITTING SUPPORT**

Harris will coordinate with the SCWA and the USACE, RWQCB, and CDFW (collectively referred to as “the agencies”) on the project to finalize and obtain the CWA Section 401, 404, 408 and CFGC Section 1602 permits. Harris will coordinate with the agencies to complete the permit process.

### 1.1. USACE Permit

The Harris team will assist with continued consultation with USACE for the Nationwide Permit (27) that is in progress. Harris will communicate and provide any required materials to USACE to ensure the Nationwide Permit can be finalized. The Harris team will continue to coordinate with the Sacramento Valley Flood Control District and the USACE to finalize the 408 permit process.

### 1.2. RWQCB Permit

The Harris team will update and submit the NOI and application fee payment to RWQCB and assist with consultation and coordination with the RWQCB to ensure the NOI and supporting documents are reviewed in a timely manner and concurrence with the regional general permit is finalized.

**Deliverable:** Draft and final NOI and supporting documents submitted to RWQCB. Fee payment of \$1,123.00 plus a \$30.00 processing fee submitted to RWQCB.

### 1.3. CDFW Permit

The Harris team will assist with consultation and coordination with the CDFW to finalize the Lake and Streambed Alteration Agreement (LSAA). Harris will provide any documentation required by CDFW to finalize the permit. This includes reviewing and providing comments on the draft LSAA, if necessary.

### 1.4. Resource Agency Coordination

CWA Section 404, CWA Section 401, and CFGC Section 1602 LSAA permits will be finalized through coordination between Harris, SCWA, and the agencies and the proactive anticipation and resolution of challenges.

Harris has scoped two staff members for up to two 1-hour agency meetings, along with preparation time, and time for communication through email. Excessive coordination with the agencies (i.e., repeated requests for clarifications and information from the agencies) may require a cost amendment.

## TASK 2. NEPA DOCUMENTATION

Harris will finalize responses to USACE comments and resubmit the edited EA to the USACE. The Harris team will assist the USACE with responses to any comments resulting from the EA public review period.

This scope of work and cost estimate assumes that one round of comment responses will be necessary as a result of public review.

**Deliverable:** Draft and final EA with USACE comments addressed. Draft and final responses to comments resulting from the EA public review period.

## TASK 3. PROJECT MANAGEMENT AND ADMINISTRATION

1. Harris shall be responsible for the performance of tasks, and for the preparation of deliverables as specified in this scope of work.
2. Harris shall provide all technical and administrative services as needed for completion of this scope of work, including monitoring, supervising, and reviewing all work performed. In addition, Harris shall coordinate budgeting and scheduling to ensure that the scope of work is completed within budget, on schedule, and in accordance with approved procedures, applicable laws, and regulations throughout Agreement term.
3. Harris shall ensure that the scope of work requirements are met through completion of monthly invoices submitted to SCWA and through regular communication with SCWA. The monthly invoices shall describe activities undertaken and budget status.

## ASSUMPTIONS

- SCWA personnel will provide safe access to all areas of the project site if fieldwork is necessary.
- No major additional comments will be received as a result of public comments that will require additional analysis or substantial revisions to the EA.
- One round of revisions will be sufficient to finalize the Section 408 permit application based on comments from the USACE and the public comment period. Additional revisions may require a cost augment.
- One round of revisions will be sufficient to finalize the Section 404 permit application based on comments from the USACE. Additional revisions may require a cost augment.
- One round of revisions will be sufficient to finalize the Section 401 permit application based on comments from the RWQCB. Additional revisions may require a cost augment.
- This project will be a standard permitting process and will not require excessive consultation and coordination with resource agencies, or excessive changes to permit applications and documents. The proposed cost is based on standard permitting and unforeseen repeated requests, coordination, or additions by permit agencies may require a cost augment.
- The project design and description that is covered by the CEQA MND and current Section 404/401 permits is generally the same (with only minor details and updates provided to the resource agencies through the permitting process to date). Changes in design in the middle of permitting, or other delays will require cost augments for increased consultation and coordination costs with resource agencies.

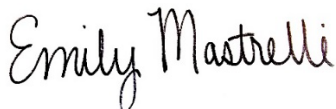
## COST

The total cost for this task is \$32,028. A cost breakdown by major task is provided below.

Task	Budget
Task 1 – Resource Agency Permitting Support	
Task 1.1 – USACE Permit	\$5,480
Task 1.2 – RWQCB Permit	\$4,828
Task 1.3 – CDFW Permit	\$2,080
Task 1.4 – Resources Agency Coordination	\$5,540
Task 2 – NEPA Documentation	\$10,400
Task 3 – Project Management and Administration	\$3,700
<b>Total Cost</b>	<b>\$32,028</b>

Please contact me at 619-510-5372 or [Emily.Mastrelli@WeAreHarris.com](mailto:Emily.Mastrelli@WeAreHarris.com) with questions. We are excited to continue to work with you on this important project.

Sincerely,  
Harris & Associates, Inc.



Emily Mastrelli, Director, Natural Resources  
(619) 510-5372 ■ [Emily.Mastrelli@WeAreHarris.com](mailto:Emily.Mastrelli@WeAreHarris.com)

# SOLANO COUNTY WATER AGENCY



## MEMORANDUM

**TO:** Board of Directors  
**FROM:** Chris Lee, General Manager  
**DATE:** May 7, 2026  
**SUBJECT:** May General Manager's Report

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### Water Supply Update

On April 27, the Department of Water Resources (DWR), using the latest hydrologic data indicated a modest increase in State Water Project (SWP) water supply is available for State Water Contractors (SWC) that are located North of the Delta. DWR increased our allocation from 40 percent to 45 percent. SWP supply for South of Delta SWC remained unchanged at 30 percent.

To determine the available SWP water supplies, DWR considers various factors including SWC contractors 2026 carryover supplies and demands, existing storage in SWP conservation facilities, estimated of future runoff, near-term and seasonal climate forecasts, SWP operational, contractual, and regulatory requirements set forth in the Federal Endangered Species Act and the California Endangered Species Act, and water rights obligations under the State Water Resources Control Board.

As of May 7, Lake Berryessa is at elevation 438.73 feet, 99% full. From a water supply perspective, we are looking to be in good shape for several years to come. This is similar to the spring of 2024, when the lake was very close to spilling but did not quite go over the top.

Short-term and seasonal precipitation forecasts are shown in the figures below.

### A "Super El Nino" May Be Coming<sup>1</sup>

California just wrapped up a dry winter, and forecasters are already setting their sights on what comes next. The early signs are pointing toward a very strong El Nino developing by winter 2026-27, and that has real implications for Northern California's rainy season.

Here is the short version of how it works. El Nino occurs when sea surface temperatures across

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<sup>1</sup> Article originally published by ActiveNorCal

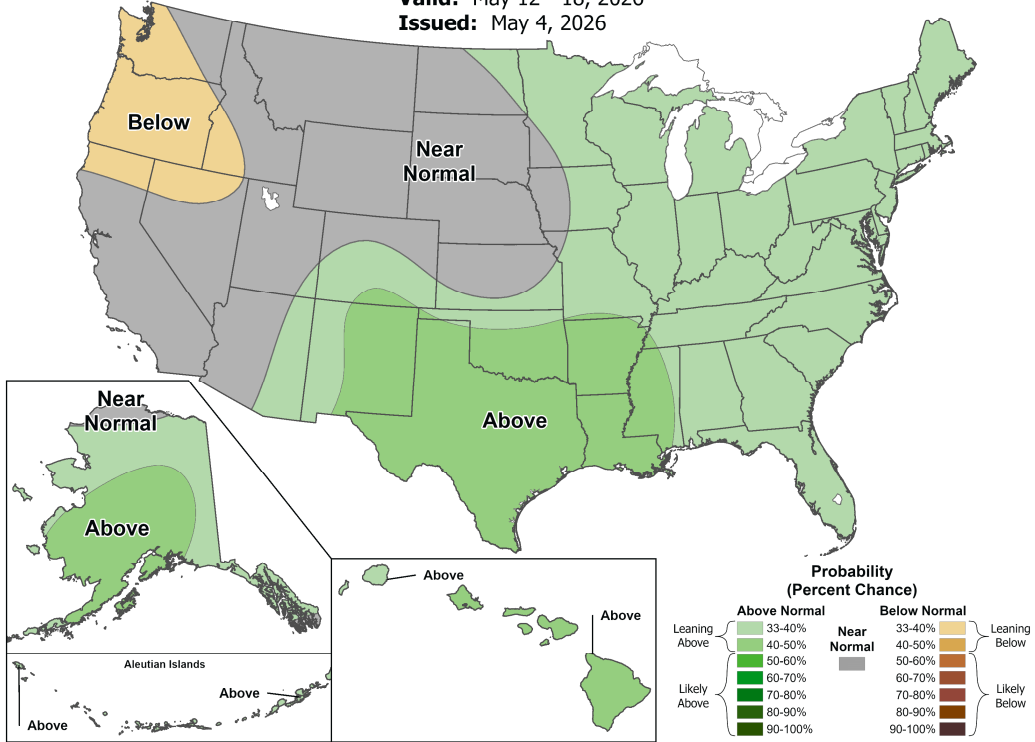




# 8-14 Day Precipitation Outlook



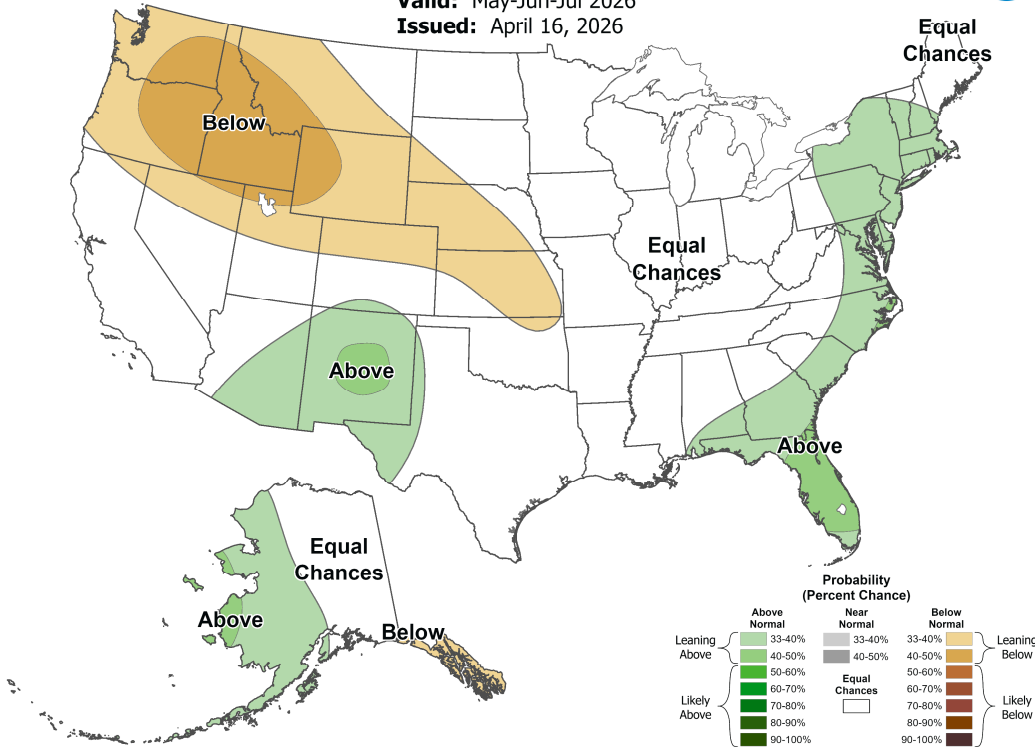
Valid: May 12 - 18, 2026  
Issued: May 4, 2026



# Seasonal Precipitation Outlook



Valid: May-Jun-Jul 2026  
Issued: April 16, 2026

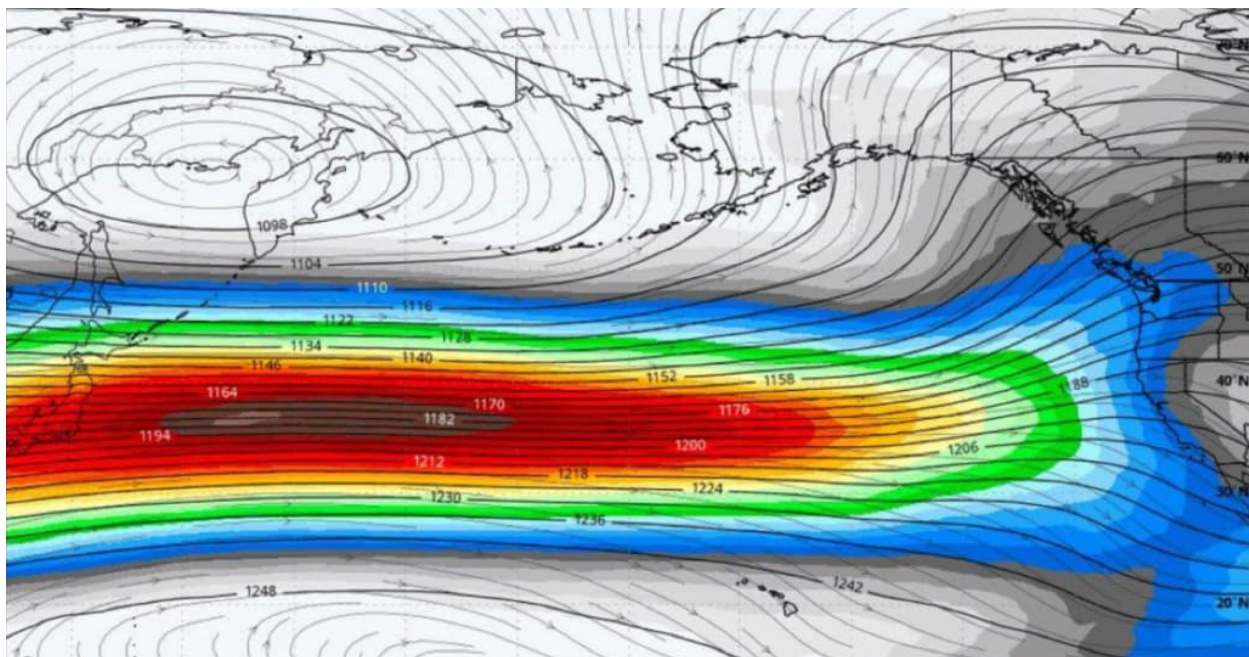


the equatorial Pacific runs warmer than normal. That warmer ocean drives changes in the jet stream and storm tracks, which typically means more rain for California and the Southwest. La Nina, the opposite phase, tends to bring drier conditions, which is what played out this past winter.

What forecasters are watching right now is a Kelvin wave, a mass of unusually warm water moving eastward about 100 to 200 meters below the surface of the Pacific. Early April data showed that water running roughly five degrees Celsius above normal. When it upwells off South America in the coming weeks, it is expected to trigger El Nino conditions that could intensify into the very strong category, meaning sea surface temperatures more than two degrees Celsius above normal.

Only three winters in recorded history have qualified as very strong El Nino events: 1982-83, 1997-98, and 2015-16. Two of those were historically wet for Northern California. Sacramento received more than 34 inches of rain in 1982-83. But 2015-16, also a super El Nino year, came in below average, which is a useful reminder that the sample size is tiny and nothing is guaranteed.

What forecasters do agree on is that El Nino years trend wetter than normal in California across the board. Whether this one lives up to the hype remains to be seen.



### Bay Delta Plan<sup>2</sup> Update

There are no current updates for the Bay Delta Plan. Nevertheless, the Agency continues to

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<sup>2</sup> The Bay-Delta Water Quality Control Plan is a policy document adopted by the State Water Resources Control Board that establishes water quality control measures and flow requirements needed to provide reasonable protection of the beneficial uses in the San Francisco Bay/Sacramento-San Joaquin Delta estuary.

operate in good faith in advancing the goals of the Healthy Rivers & Landscape Program (HRL). The Agency is working to finalize permitting on the Nishikawa Project, our HRL habitat commitment, with construction expected in Summer 2026. Additionally, the Agency is working cooperatively with the landowners along Road 106A to improve fish passage, with the purchase of 2 new 72-inch culvert pipes.

The SWRCB released an update to the Bay-Delta Plan on December 12th in addition to a limited recirculation of the Staff Report / Substitute Environmental Document (Chapter 13). The SWRCB also provided updates and results from the Sacramento Water Allocation Model. Over 3,500 pages of documents and analyses were reviewed by SCWA and our member agencies. Formal comment letters by SCWA and our member agencies were submitted to the SWRCB in February 2026 as well as participation by Yolo, Solano, and Napa elected officials at the SWRCB's formal public hearing. A final version of the Bay-Delta Plan is anticipated for Fall 2026.

#### “Water Cost” of Implementing Releases under the Putah Creek Accord

Gus Yates developed a report (attached) estimating the water cost of implementing releases from the Putah Diversion Dam to meet the requirements of the Putah Creek Accord. Gus was one of the principal hydrologists that did work to support the Accord in the late 1990's.

In this independent review, it shows that the Water Agency has complied with the water releases of the Putah Creek Accord. The report notes that we have put extra water down lower Putah Creek to meet not only Accord demands but also to account for riparian diverters.

#### Golden Mussel Update<sup>3</sup>

Update on activities associated with the Golden Mussels and the general Mussel Education and Outreach Program:

##### **Statistics**

- Since November 25, 2024:
  - >47,000 seals applied; >36,000 seals removed.
  - > 6,800 decontaminations have been performed.

##### **Monitoring**

- Early detection continues to be conducted at Berryessa on a bi-weekly and SWP monthly.
  - Solano Project – 6 LB stations + Headworks and Terminal Reservoir.
    - Negative for golden mussels.
  - State Water Project: Barker sand Lindsay Sloughs.
    - Positive eDNA result for Lindsay Slough sample collected on 4/8/26.
      - This is not surprising.

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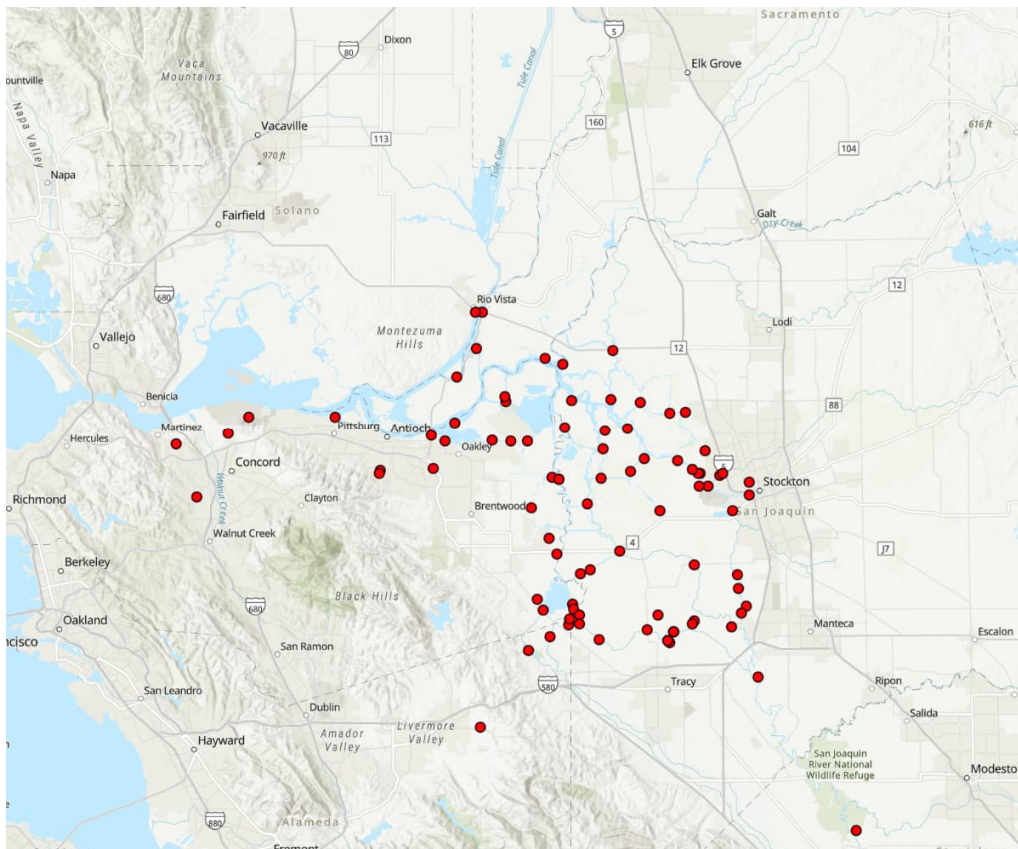
<sup>3</sup> In the fall of 2024, Golden Mussels were observed in the Sacramento-San Joaquin Delta. At Lake Berryessa, there are two options for launching: a 30-day quarantine after your boat is sealed with a red tag or going through the hot water decontamination process at Markley Cove or Steel Canyon Recreation Area. Lake Berryessa was the first reservoir to require decontamination of vessels coming from the Delta.

### Decontaminations:

- Lake Solano decontamination station is operational.
- Stations will still be located at Lake Solano, Putah Canyon, Pleasure Cove, Markley Cove, and Gone Fishin' Marine.

### Outreach:

- Still producing a lot of social media posts and radio ads through Alpha Media.
- New signage has been made Napa Co. Ordinance 1510 and has been distributed around the lake.



### Regional and Other Updates:

- DWR has suspended the watercraft seal and inspection program at Lake Oroville:
  - <https://water.ca.gov/News/Blog/2026/Apr-2026/Lake-Oroville-Update-April-29-2026>



- The literature cited and justification for this closure is highly contested by many water agencies and scientists.
- Work continues on the golden mussel response and control plan.
  - SCWA is looking into performing some toxicology studies specific to Solano Project water as well as NBA water that have relatively high calcium levels.
- Work has begun on an access control gate at a small launch ramp at the Berryessa Estates located at the north end of the lake on upper Putah Creek.
  - Coordinating with Napa Resort Improvement District, Napa Open Space District and USBR on this project.
- Many Assembly Bills have been drafted regarding golden mussels:
  - AB 1772
  - AB 1894
  - AB 2032
  - AB 149
- CDFW is working on a CA Boat inspection and banding program.
  - CDFW hosted a meeting on 4/28.
  - Promotion of AB 1772.
  - “Opt-in program” with reciprocity between lakes.
- Reclamation is continuing to work with NCSO on a lake-wide trespass.

## LPCCC Update

### **4<sup>th</sup> Annual Putah Creek Long-term Monitoring Data Summit : Focus on *Foundational Monitoring***

Jointly hosted by the Water Agency and UC Davis, the fourth annual Putah Creek Data Summit was held April 15, 2026, at the International House in Davis, CA. More than 50 people attended representing Water Agency staff, consultants and contractors, scientists, students, landowners, and regulators.

The Data Summits focus is on *foundational monitoring*, or monitoring that is done for many different purposes and goals, with no specific project in-mind. For example, flow data is a type of foundational monitoring. Flow data is important to the Water Agency for maintaining minimum flows, but is also used by dozens of others, including; farmers and landowners for pumping and real estate transactions, fish passage design teams, timing of regional monitoring programs, PGE gas line construction, Caltrans bridge retrofits, groundwater simulation modeling, water supply planning, flood response, the list goes on!

Likewise, counting fish and salmon is another type of foundational monitoring. Twenty-five years ago, we didn't know about Healthy Rivers and Landscapes, yet today that decades old fish data is vital to protecting our water rights. We are telling the story about the amazing results of a community working together on Putah Creek. What else does the future hold? We don't know. But with a continued commitment to foundational monitoring, we will be prepared to address whatever comes.

Below is a list of topics covered in the 2026 Data Summit:

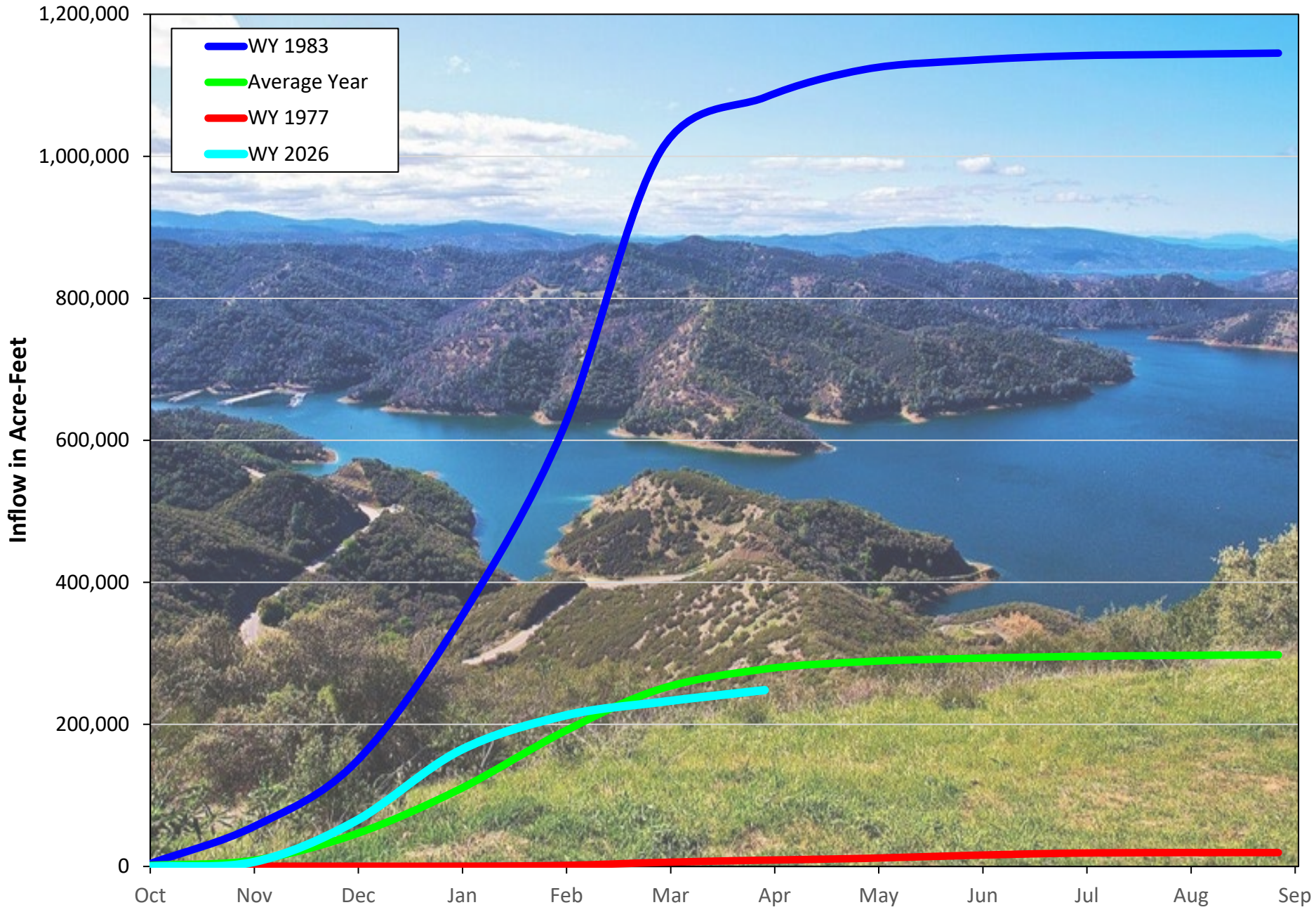
- Flow and water temperature
- Salmon and non-salmon fish monitoring
- Salmon genetics and the Putah Creek run
- HRL strategies for data collection, storage, and analysis
- Terrestrial monitoring program (birds)
- Potential future flow changes in Putah Creek from HRL

For an agenda and list of uploaded presentations, please see <https://scwa2.com/lower-putah-creek-coordinating-committee/lpccc-reports/putah-creek-2026-monitoring-data-summit/>

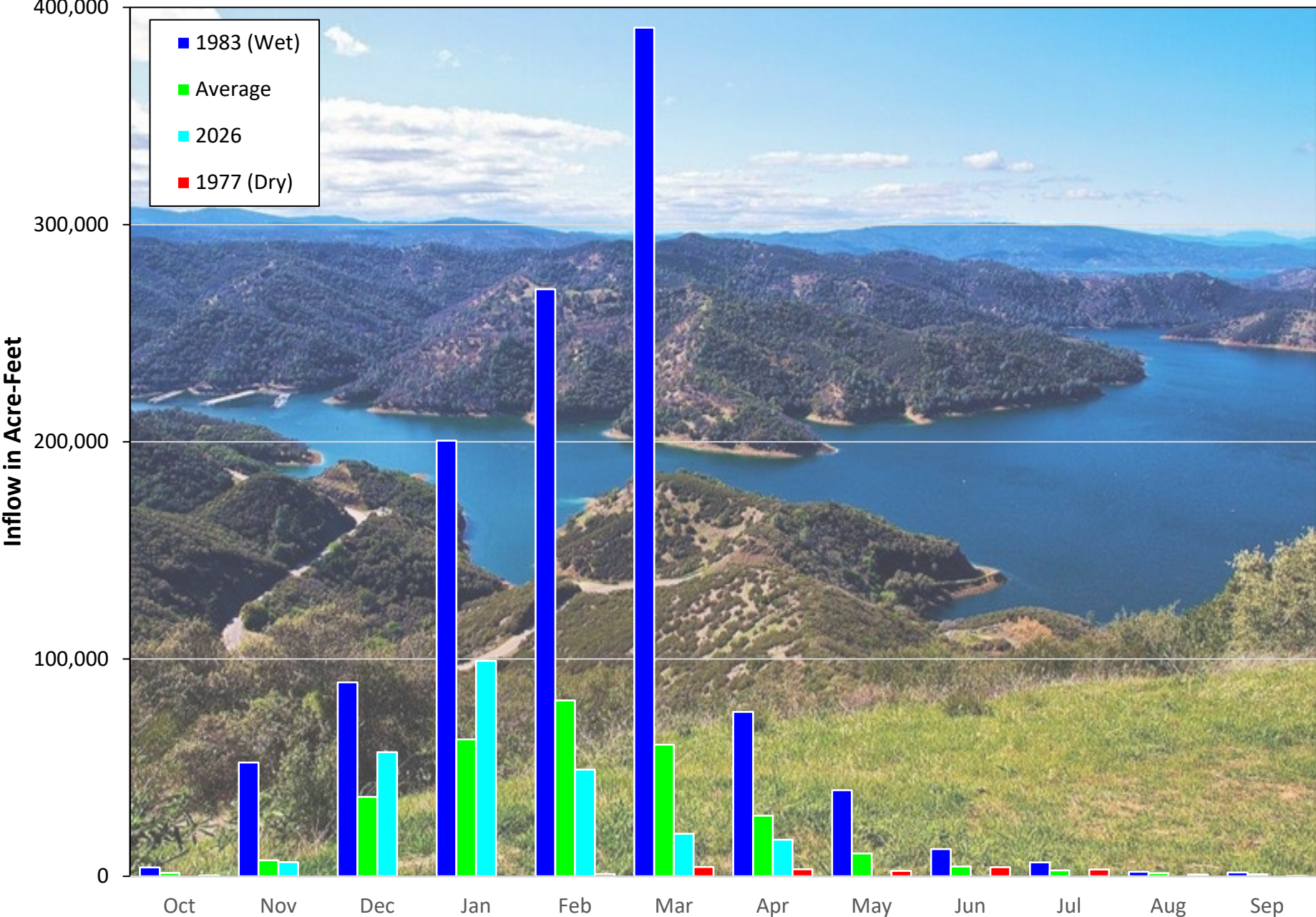
### **Lower Putah Creek Coordinating Committee (LPCCC) Monthly Meetings**

The LPCCC meets publicly each month, a few hours before the regular Water Agency Board meetings. Agendas can be found on the Water Agency website <https://scwa2.com/lower-putah-creek-coordinating-committee/lpccc-agendas/> You can also ask the Streamkeeper to be put on the email list at [mstevenson@scwa2.com](mailto:mstevenson@scwa2.com). The LPCCC is a forum for all things Putah Creek.

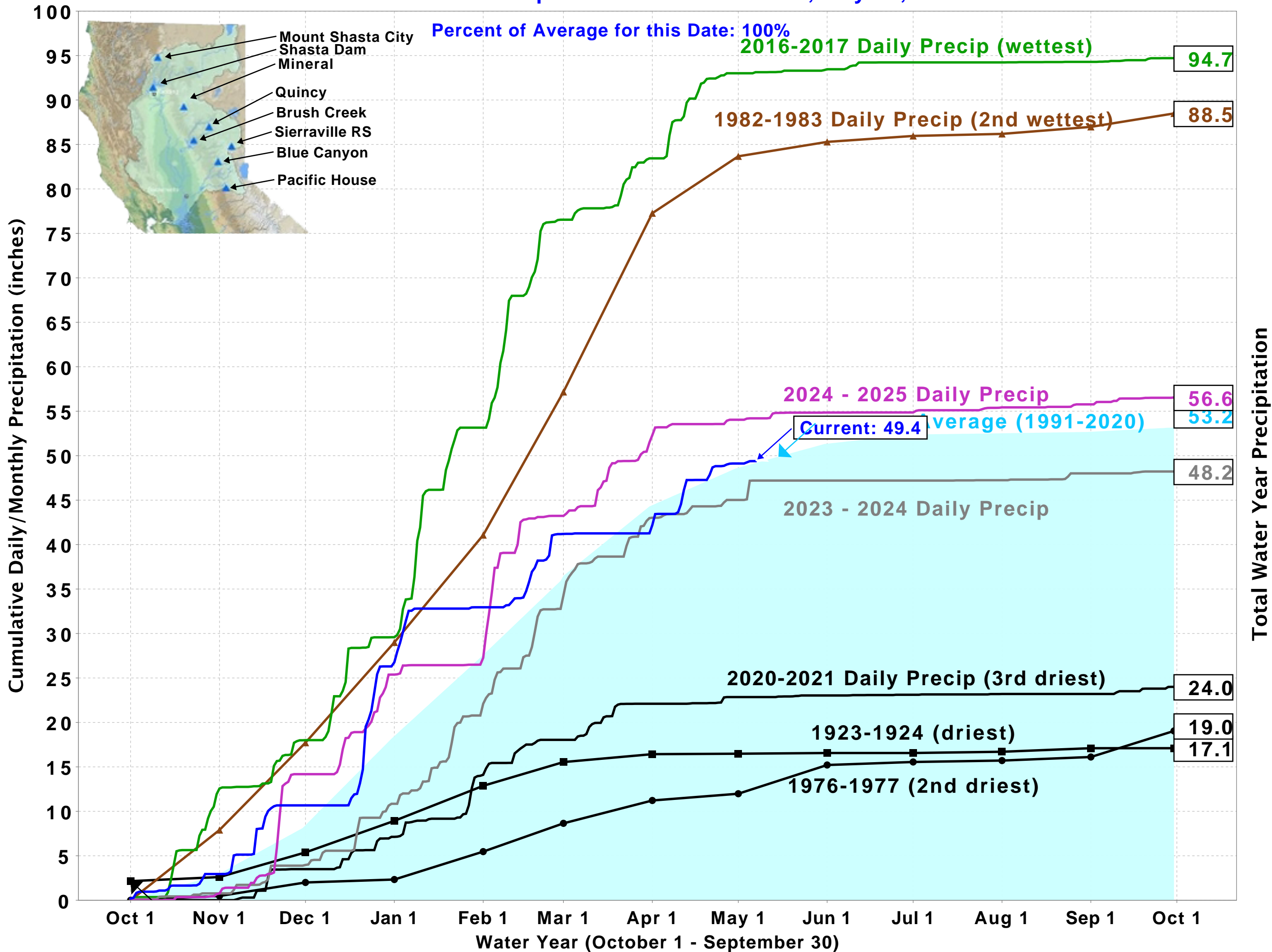
# Annual Lake Berryessa Inflow



# Annual Lake Berryessa Inflow



# Northern Sierra Precipitation: 8-Station Index, May 07, 2026

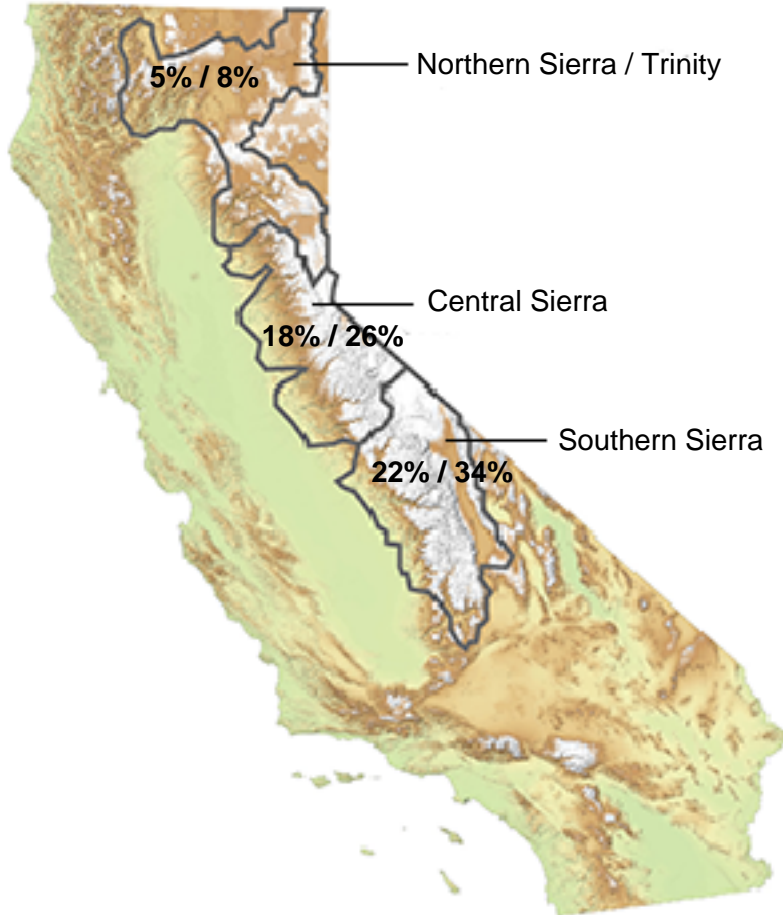




# STATEWIDE SNOW WATER CONTENT

## CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of May 6, 2026	
Number of Stations Reporting	31
Average snow water equivalent (Inches)	1.3
Percent of April 1 Average (%)	5
Percent of normal for this date (%)	8

CENTRAL	
Data as of May 6, 2026	
Number of Stations Reporting	54
Average snow water equivalent (Inches)	4.9
Percent of April 1 Average (%)	18
Percent of normal for this date (%)	26

SOUTH	
Data as of May 6, 2026	
Number of Stations Reporting	25
Average snow water equivalent (Inches)	5.2
Percent of April 1 Average (%)	22
Percent of normal for this date (%)	34

STATE	
Data as of May 6, 2026	
Number of Stations Reporting	110
Average snow water equivalent (Inches)	3.9
Percent of April 1 Average (%)	15
Percent of normal for this date (%)	23

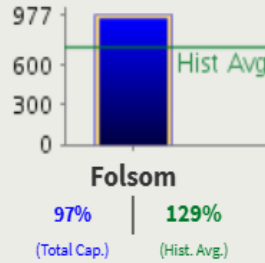
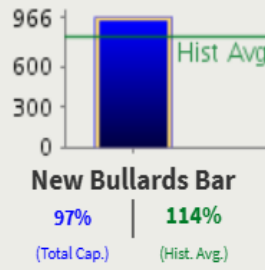
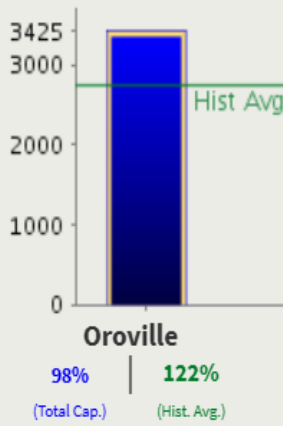
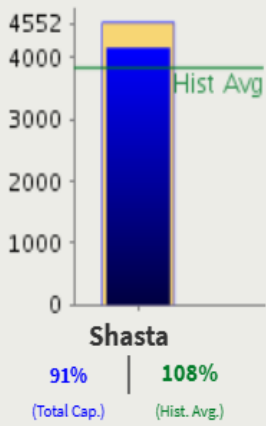
**Statewide Average: 15% / 23%**

Data as of May 6, 2026

**CURRENT CONDITIONS: MAJOR WATER SUPPLY RESERVOIRS:06-MAY-2026**

Data as of Midnight: 06-May-2026

Change Date: 06-May-2026



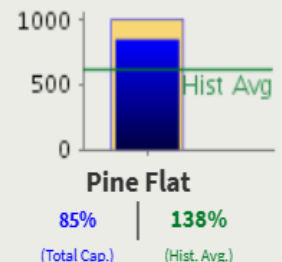
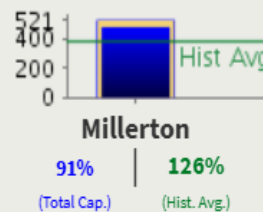
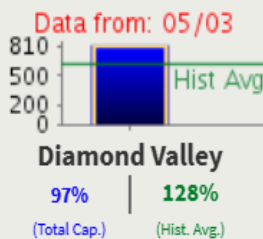
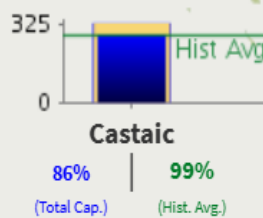
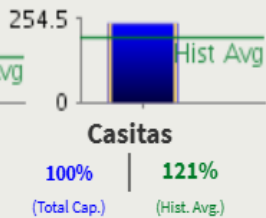
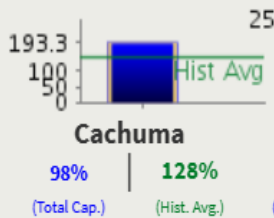
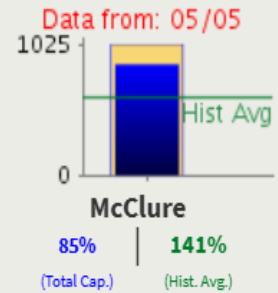
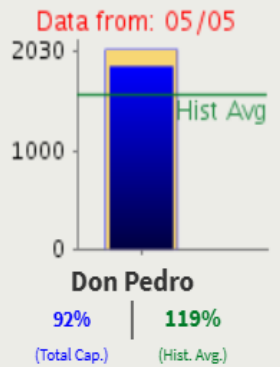
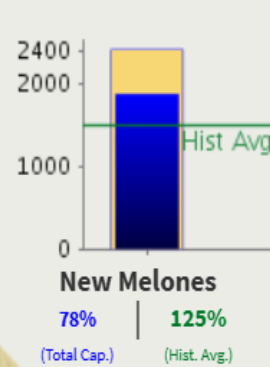
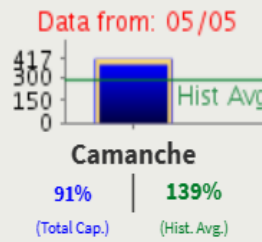
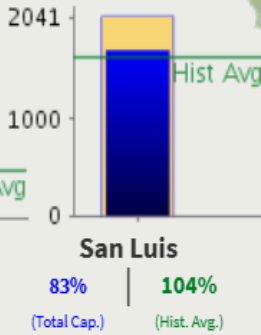
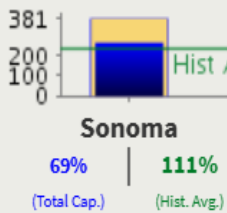
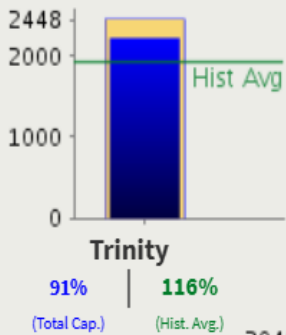
**LEGEND**

- Blue Bar:** Storage level for date
- Gold Bar:** Total reservoir capacity
- Green Line:** Historic level for date.

Capacity (TAF) | Historical Avg Mark

**% of Capacity** | **% Hist. Avg.**

(Click res. 3 char. code for details)



[Click to download printable version of current data.](#)

Report Generated: 07-May-2026 10:06 AM

The CSI link has been disabled to zoom in, for the lack of historical data.

# Eugene B. (Gus) Yates, PG, CHG

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1655 1<sup>st</sup> Ave • Walnut Creek, CA 94597 • Tel 510-849-4412 • gusyates@sonic.net

April 13, 2026

Mr. Max Stevenson  
 Putah Creek Streamkeeper  
 Solano County Water Agency  
 810 Vaca Valley Parkway, Suite 202  
 Vacaville, CA 95688

**Subject: Estimating the “water cost” of implementing releases from Putah Diversion Dam to meet the requirements of the Putah Creek Accord**

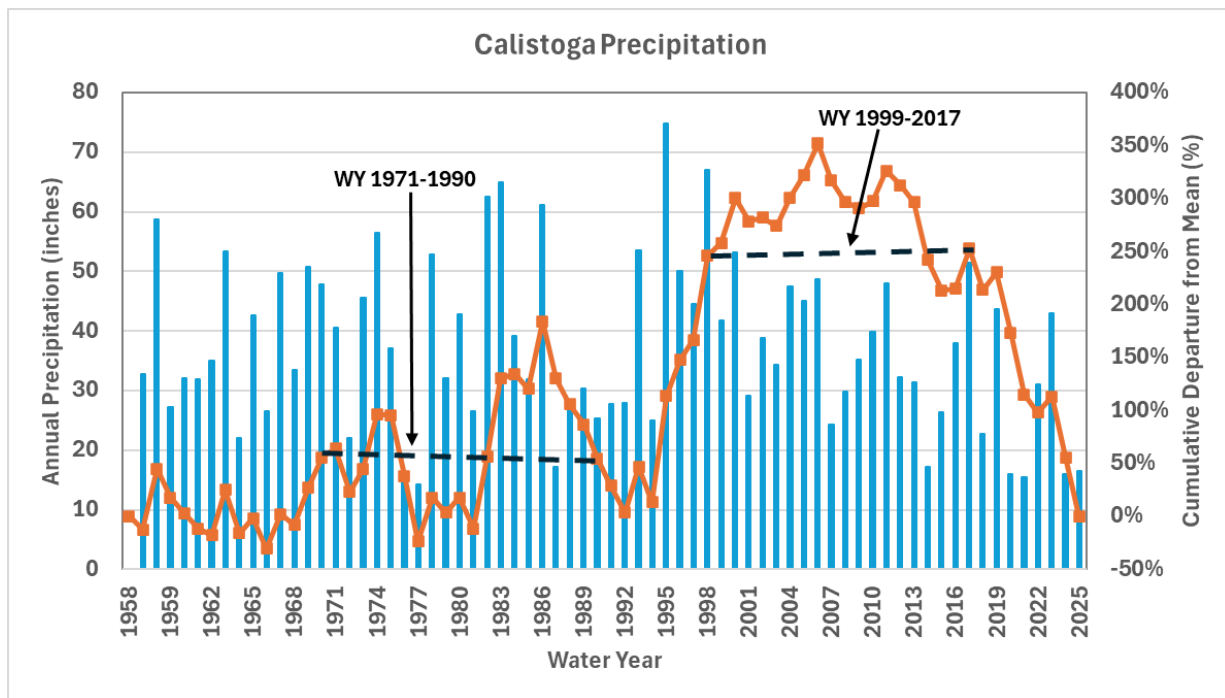
Dear Mr. Stevenson:

I was one of the hydrologists who did work in support of the Putah Creek Accord back in the late 1990s. On the occasion of the 25th anniversary of the Putah Creek Accord, I was interested in examining the water cost of the Accord given the knowledge we now have of the actual releases from the Putah Diversion Dam required for compliance with Fish & Game Code section 5937 and the Accord. Thank you for pointing me to the public data I needed for this project. My analysis is below if you'd like to share it with the LPCCC and others. I compared releases from Putah Diversion Dam to lower Putah Creek for two representative time periods, before and after implementation of the Putah Creek Accord in 2000. My conclusion is that releases to meet the instream flow requirements after 2000 have averaged 2.8 percent greater than releases prior to 2000, as shown in the upper-right part of **Table 1**. This report documents the assumptions, data and analysis supporting this conclusion.

**Table 1. Average Annual Canal and Creek Flows 1971-1990 and 1999-2017**

Flow Metric	Putah South Canal		Lower Putah Creek	
	cfs	AFY	cfs	AFY
WY 1971-1990 non-spill day cfs	293	212,385	30	18,510
WY1999-2017 non-spill day cfs	261	189,294	38	24,391
Difference (AFY)		-23,091		5,881
Difference (% of canal flow 1971-1990)		-11%		2.8%
<hr/>				
Number of non-spill days WY 71-90			6,260	
Total number of days WY 71-90			7,305	
Percent of time non-spill			86%	
<hr/>				
Number of non-spill days WY 99-17			6,122	
Total number of days WY 99-17			6,940	
Percent of time non-spill			88%	

The periods of years selected to represent pre- and post-Accord releases should be hydrologically similar in terms of annual precipitation or runoff. I used annual precipitation at the Calistoga station for this purpose because it has a long period of record and is close to the Putah Creek watershed. Annual precipitation and cumulative departure of annual precipitation are shown in **Figure 1**. Sequences of wet years produce an increasing trend in the cumulative departure line and sequences of dry years produce a decreasing trend. If a line connecting two years on the cumulative departure curve is horizontal, average precipitation during that subset of years equaled the average for the entire period of record shown on the graph. I selected water years 1971-1990 and 1999-2017 to represent pre-Accord and post-Accord conditions, respectively. The latter includes one pre-Accord year but results in a more horizontal line.

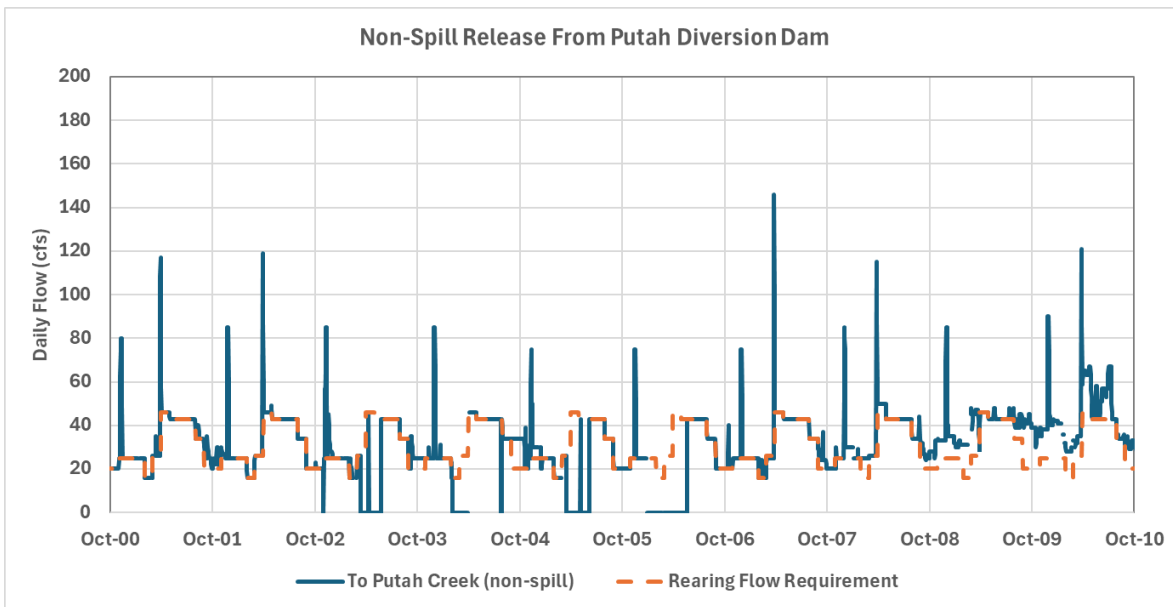


**Figure 1. Cumulative Departure of Annual Precipitation at Calistoga**

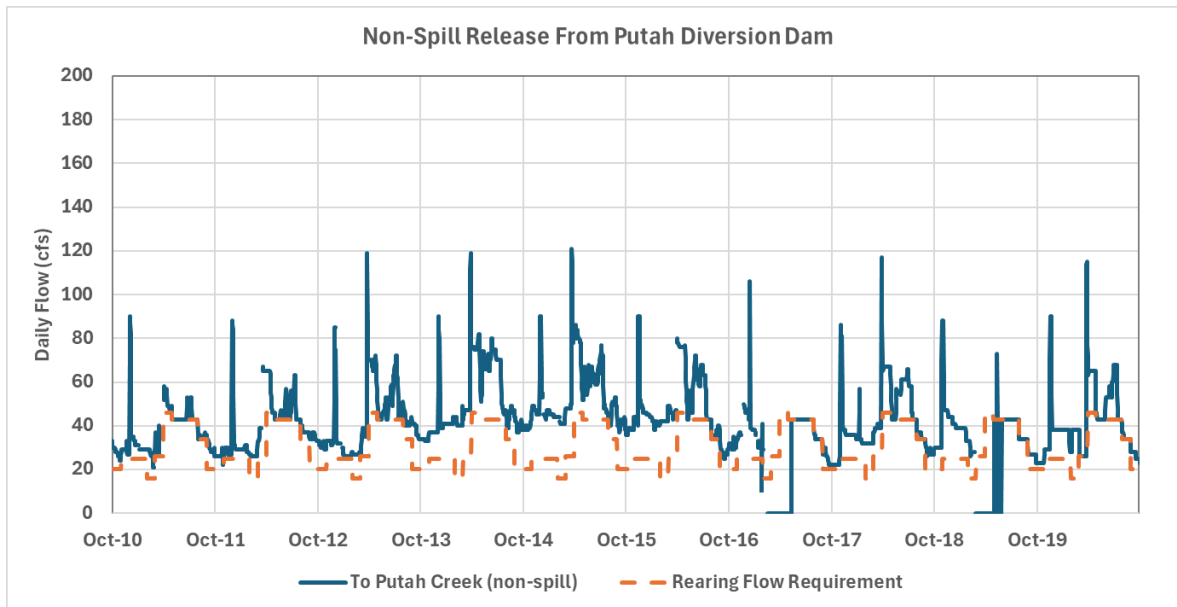
The next step was to select non-spill releases from Putah Diversion Dam during those two periods. Spills at Putah Diversion Dam can result from Berryessa spills or runoff from the interdam watershed. During spills, there is no water cost of supplying the Accord flows because they are being met by natural runoff that cannot be stored by the Solano Project and used for other purposes. In almost all cases, spills are easy to identify in the time series of daily flows because they appear as abrupt, temporary and typically large departures from the otherwise steady rearing flow releases. In a few instances it was not clear whether the spring spawning flow pulse or the fall supplemental flow pulse were partially or entirely met by a natural runoff event. In those instances I conservatively assumed that the water was supplied by reservoir releases.

**Figure 2** shows daily flows released from Putah Diversion Dam to lower Putah Creek during 2000-2020, with spill events removed (they display as zero in the graph). During the first decade (2000-

2010), releases adhered closely to the rearing flows specified in the Accord throughout the year. The pulse flows lasting several days for spawning (in March) and for supplemental salmonid attraction (November to mid-December) appear as tall spikes on the graph. Throughout much of the second decade (2010-2020) releases were usually considerably greater than the rearing flows releases specified in the Accord. Putah Creek Streamkeeper Max Stevenson (personal communication) indicated that releases from the dam had to be increased to meet the downstream flow requirements at the I-80 bridge. The increase in flow losses between Putah Diversion Dam and I-80 could be due to active diversions by riparian landowners and/or increased percolation to groundwater due to lower groundwater levels. Increased percolation losses appear to be at least part of the mechanism because increased releases from the dam occurred even in winter, when surface diversions for irrigation were presumably small. The generally drier conditions that prevailed during 2010-2020 (as indicated by the large decline in the orange cumulative departure curve in Figure 1) would be expected to result in a regional lowering of groundwater levels and increase in stream percolation. However, I have not reviewed groundwater hydrographs to confirm this.



**Figure 2a. Non-Spill Releases from Putah Diversion Dam 2000-2010**



**Figure 2b. Non-Spill Releases from Putah Diversion Dam 2010-2020**

Non-spill daily releases from Putah Diversion Dam averaged 30 cfs during water years 1971-1990 and 38 cfs during 1999-2017 (Table 1). The average annual non-spill release volume was calculated by summing the total cfs-days of release during the analysis period (186,682 cfs-days for 1971-1990 and 233,701 cfs-days for 1999-2017), multiplying by 1.983 to convert cfs-days to acre-feet, and dividing by the number of years in the analysis period (20 years for 1971-1990 and 19 years for 1999-2017). The annual release volume averaged 5,881 acre-feet per year (AFY) more during 1999-2017 than it did during 1971-1990. To put this in the context of overall Solano Project operations, water deliveries via Putah South Canal are also shown in Table 1. Those deliveries represent the yield of the Solano Project. The increased releases from Putah Diversion Dam amounted to 2.8% of average annual deliveries prior to the Accord. Storage in Berryessa was not factored into the comparison, as it is sensitive to the timing of exceptionally wet years and droughts. However, both periods of analysis had similar overall durations of spill events: non-spill releases from Berryessa occurred 86-88% of the time during both periods.

It is worth noting that water deliveries via Putah South Canal decreased by 23,019 AFY from the pre-Accord period to the post-Accord period. That decrease is nearly four times the amount of increase in releases to lower Putah Creek from Putah Diversion Dam. I did not investigate the reason for decreased water supply deliveries, but likely possibilities are conversion of agricultural lands to urban uses and conversion of sprinkler, furrow and flood irrigation to drip irrigation. But the result is that the Solano Project can more reliably meet the needs of water users now than it could prior to the Accord.

Regards,

Gus Yates, PG, CHG

**REPORT OF CONSTRUCTION CHANGE ORDERS AND  
CONTRACTS APPROVED BY GENERAL MANAGER UNDER  
DELEGATED AUTHORITY**

**Construction Contract Change Orders (15% of original project costs or \$220,000, whichever is less) – None**

**Construction Contracts (\$220,000 and less) – None**

**Professional Service Agreements (\$100,000 and less) –**

Just the Finest Pest Control – Solano County Water Agency Facilities Pest Control – increased contract amount from \$43,000 to 48,400.

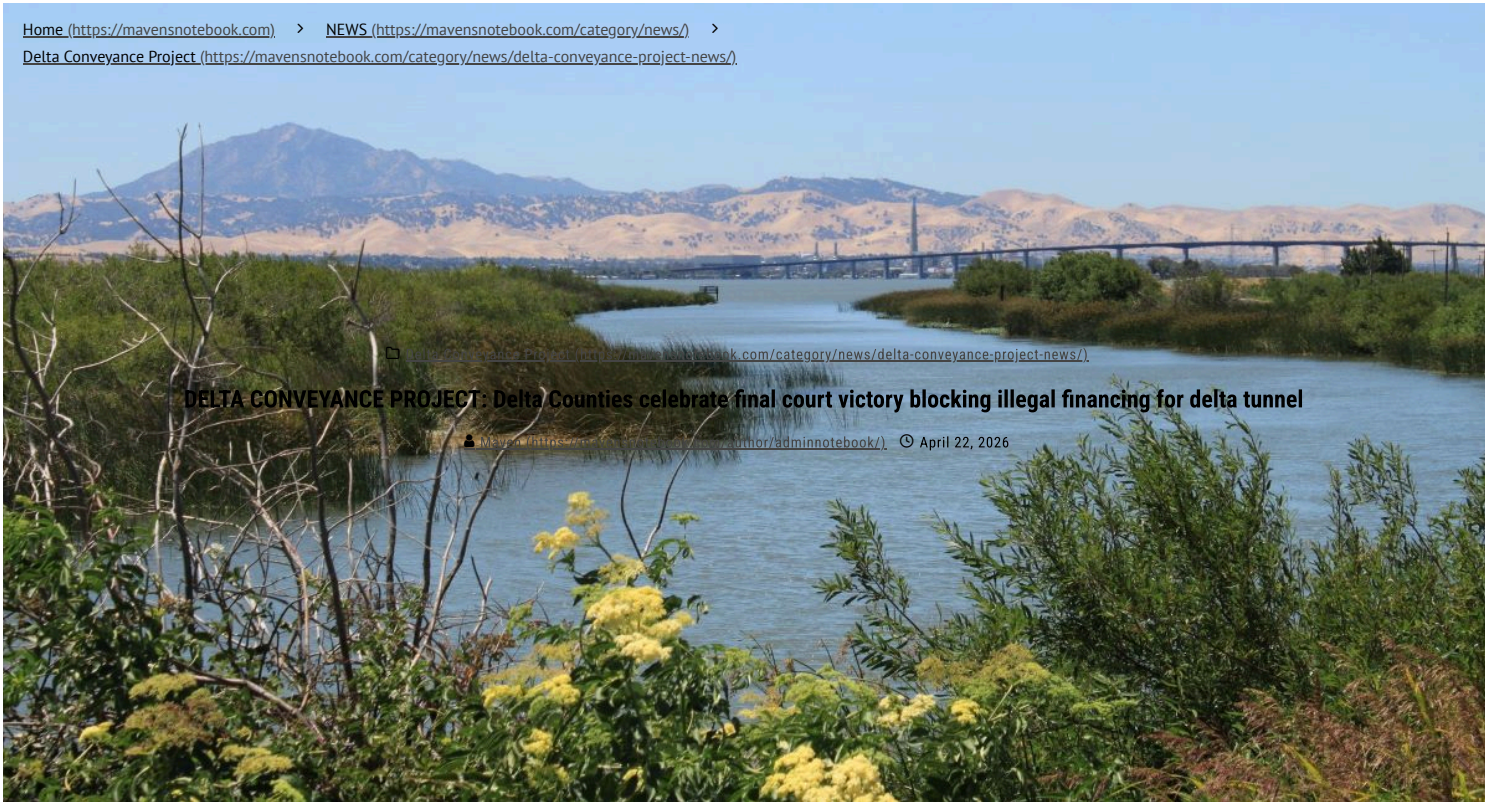
**Non-Professional Service Agreements (\$100,000 and less) – None**

Note: Cumulative change orders or amendments resulting in exceeding the dollar limit need Board approval.

# NEWS ARTICLES



[Home \(https://mavensnotebook.com/\)](https://mavensnotebook.com/) > [NEWS \(https://mavensnotebook.com/category/news/\)](https://mavensnotebook.com/category/news/) > [Delta Conveyance Project \(https://mavensnotebook.com/category/news/delta-conveyance-project-news/\)](https://mavensnotebook.com/category/news/delta-conveyance-project-news/)



## DELTA CONVEYANCE PROJECT: Delta Counties celebrate final court victory blocking illegal financing for delta tunnel

[Maven's Notebook \(https://mavensnotebook.com/author/adminnotebook/\)](https://mavensnotebook.com/author/adminnotebook/) © April 22, 2026



### Court decision is now final, protecting ratepayers, the Delta, and the rule of law

*From the Delta Counties Coalition:*

The Delta Counties Coalition (DCC) announced that a major legal victory is now final after the California Supreme Court denied review of an appellate court decision rejecting the State's attempt to finance the proposed Delta Tunnel project. The Court also declined to depublish the ruling, meaning it will stand as binding legal precedent going forward.

This decision ends the State Department of Water Resources' (DWR) 2020 effort to validate billions of dollars in bonds for the project without clear legal authority. Courts at every level have thus far found that DWR exceeded its authority.

"This is a clear and final win for the rule of law," said Supervisor Pat Hume, Chair of the Delta Counties Coalition. "The State cannot sidestep legal safeguards to push forward a project of this size and cost. This decision reinforces that accountability and transparency still matter."

The Supreme Court's decision not to disturb the prior opinion protects ratepayers and taxpayers from being forced to pay for a project without proper legislative authorization. It also raises new questions about how the project could move forward without a lawful funding plan.

Leaders from across the Delta Counties Coalition emphasized the importance of the decision for their communities:

- **Contra Costa County:** "This ruling will help protect the water quality our residents depend on every day," said Contra Costa County Supervisor Shanelle Scales-Preston. "Decisions that affect millions of people can't be rushed or hidden—they must be made legally and transparently."
- **San Joaquin County:** "The courts sent a strong message: no one is above the law or gets to rewrite the rules," said San Joaquin County Supervisor Steve Ding. "If the State wants to move forward, it must follow the same laws and standards as everyone else."
- **Solano County:** "This decision protects taxpayers from being locked into billions of dollars in costs without legitimate approval," said Solano County Supervisor Mitch Mashburn. "That's a safeguard every Californian should expect."
- **Yolo County:** "The Delta cannot continue to absorb more risk from projects that bypass scrutiny and accountability," said Yolo County Supervisor Oscar Villegas. "This ruling is an important victory for the Delta, our environment, and the communities who depend on it—and it reinforces that the law must be followed and respected."

The proposed Delta Tunnel Conveyance Project would be one of the largest and most expensive infrastructure projects in California history. However, it still lacks a clear, lawful funding plan. The courts' decisions make clear that the State cannot move forward using unauthorized financing, raising serious doubts about the project's viability. Without a legal path to pay for it, Californians are left to question whether this project should move forward at all.

The Delta Counties Coalition urges the State to focus on water solutions that are legally sound, fiscally responsible, and truly beneficial to California's long-term water future.

APR 15 2026

Court of Appeal, Third Appellate District - No. C100552

Jorge Navarrete Clerk

S295147

Deputy

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**IN THE SUPREME COURT OF CALIFORNIA**

**En Banc**

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DEPARTMENT OF WATER RESOURCES, Plaintiff and Respondent,

v.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA et al.,  
Defendants and Appellants.

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SIERRA CLUB et al., Plaintiffs and Appellants,

v.

DEPARTMENT OF WATER RESOURCES, Defendant and Respondent;

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA et al.,  
Real Parties in Interest and Appellants.

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The applications to appear as counsel pro hac vice are granted. (Cal. Rules of Court, rule 9.40(a).)

The request for judicial notice is granted.

The petition for review is denied.

The request for an order directing depublication of the opinion is denied.

**GUERRERO**

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*Chief Justice*

FEATURED

## Suisun expansion foes, pros meet in spirited exchange at City Hall

Todd R. Hansen  
Apr 22, 2026



Union members and California Forever protesters attend the Suisun City Council meeting, Tuesday, April 21, 2026. (AARON DR)



SUISUN CITY — California Forever last week released a poll that purports 51% support for its proposed expansion of Suisun City.

Opponents want a recount.

So they called on supporters to rally Tuesday at City Hall to urge the City Council to place an advisory measure on the November ballot to apprise the council on how local voters feel about the Suisun City Expansion project.

The group was greeted by an equal number of – perhaps even a few more – supporters of the ambitious project.

Mark Stephenson, president of the Napa-Solano Audubon Society, strongly favors following the Orderly Growth Initiative by keeping urban development within the cities. He said the project would destroy agricultural lands and natural habitat, and called for a countywide ballot measure.

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"The entire county will be affected by this and should have a vote on this, but for sure Suisun should have a vote on this," Stephenson said.

Alicia Mijares, business representative for the sheet metal workers Local 104, said, "We are here to support more jobs that pay a livable wage."

She said construction and environmental preservation do not have to be exclusive, and believes the expansion project finds that balance.

Those against the plan carried signs. They read "Stop California Forever" and "Whole county will pay, so let whole county vote."

Those who support the project moving forward also had messages: pro union stickers on their hard hats, jackets and high-visibility ANSI-compliant vests.

Michael Zeiss said he did not attend the meeting to speak for or against the project, but to urge the council to put the advisory measure on the ballot.

A number of speakers agreed, saying it is too big of a project to depend on the five-member council alone. Councilwoman Princess Washington was absent.

"It still allows the five of you to make a decision (on the project) when the time comes," Nate Huntington said about the ballot measure.

But Elease Cheeks said it was very difficult for her to make money when she ran a business in the city because there was not a lot of disposable dollars for the locals to spend.

"At its core, this is all about something very simple: This is about opportunity and we need to keep opportunity at home," Cheeks said.

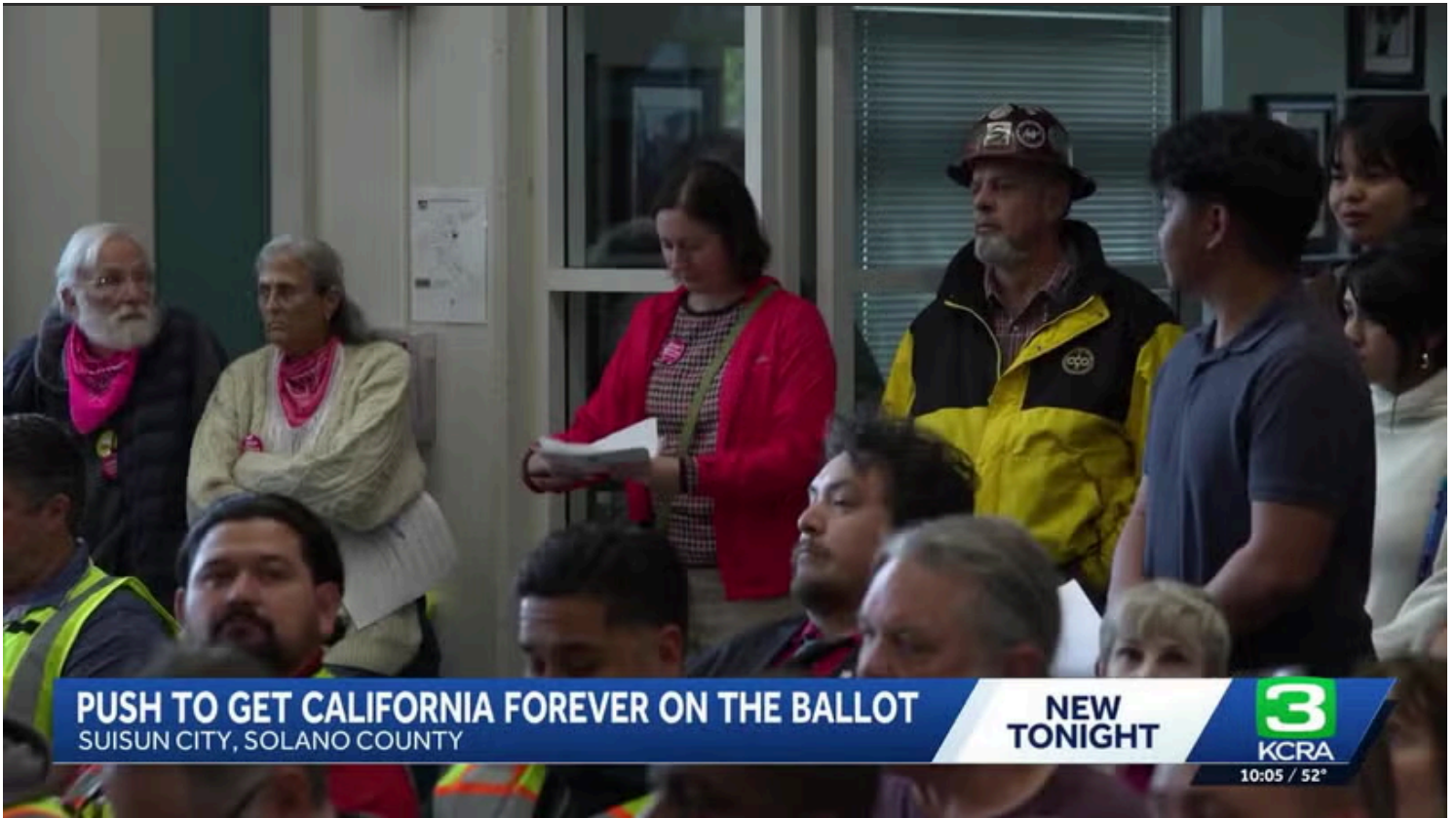
The expansion project would extend the boundaries of Suisun City through annexation of 22,873 acres of unincorporated Solano County land owned by Flannery & Associates under the control of California Forever, which has proposed to develop residential, commercial and industrial uses.

A 20-year plan largely focused west of Highway 113, covering the build out of up to 65,217 new homes and the majority of the Solano Foundry advanced manufacturing park, as well as the downtown and the entertainment district. Around 2050, the development east of Highway 113 would begin. It completes the full build-out phase.

California Forever said its poll of 800 likely voters across the county – especially younger voters and those in minority populations – "shows residents are ready for change, and that more than half support both the Suisun Expansion and Solano Shipyard as a way to create tens of thousands of jobs, provide tens of thousands of new homes, and generate hundreds of millions of dollars in revenue for local governments."

Opponents argue its a word game, carefully crafted questions to get the desired responses. They think their surveys show widespread opposition.

"You are betting on a highfalutin project and putting us at jeopardy," Ted Williams said.



## Suisun City residents call for advisory vote on proposed California Forever annexation

Residents of Suisun City are urging city leaders to include an advisory vote on the November ballot regarding the potential annexation of California Forever's land.

Updated: 10:43 PM PDT Apr 21, 2026

[Editorial Standards](#)

[Peyton Headlee](#) ✉

Reporter

**SUISUN CITY, Calif.** — Suisun City residents are asking city leaders to add an advisory vote to the November ballot regarding the annexation of California Forever's land, a proposal that has divided the community.

A packed room at the Suisun City Council meeting on Tuesday evening saw dozens of residents sharing their thoughts on the project during public comment, as the discussion was not an item on the agenda.

In October, city **leaders accepted an application from California Forever**, a billionaire-backed group, to annex more than 16,000 acres of land. Renderings of the project include plans for housing, a regional jobs center, parks, a swimming facility, and an amphitheater.

Some residents are calling for more input on the plan.

"We just want people to have a say whether they like the project or not. We want people to be able to vote on it in November," Nate Huntington with the Solano Together Coalition said. "That would still let the council decide at the end of the day. But it would be a way to check in with residents about how they feel."

City Manager Bret Prebula explained what an advisory vote would look like, saying, "That's essentially a nonbinding vote that the public would take to basically say yes or no to the project. That's a rather unique thing."

Prebula noted that the vote would cost taxpayers close to \$100,000 and said the city is exploring other ways to gather residents' input.

"We're looking for ways to create smaller, more comfortable areas. So people of all languages, of all walks of life can get together in their own networks, have a conversation that we guide through, a conversation guide that helps them get elements that we want to know information about, and then they bring that back to the team," Prebula said.

KCRA 3 asked California Forever founder & CEO Jan Sramek about the residents working to get an advisory vote on the ballot.

He sent a statement saying, "What we're seeing tonight is the next generation of Suisun City and Solano County taking ownership of their community's future. These are working women and men who showed up in force tonight fighting for jobs close to home and homes they can afford. We're proud to stand alongside them as we build together."

Residents remain divided over the project.

"Jobs, jobs, high-paying union jobs. We're all about that," Cary Leider, District Rep for the Operating Engineers Local 3, said.

"There's going to be huge environmental impacts of this project," Huntington said

The city manager said the draft environmental impact report is expected to be released to the public in late July or early August.

# NBWA UPDATES

**NORTH BAY WATERSHED ASSOCIATION  
REPORT TO SOLANO COUNTY WATER AGENCY  
BOARD OF DIRECTORS  
MEETING DATE: May 14, 2026**

**Elizabeth Patterson, SCWA**

*The North Bay Watershed Association (NBWA) is a group of 18 regional and local public agencies located throughout Marin, Sonoma, Napa and Solano Counties. The NBWA brings together regulated North Bay public agencies to address issues of common interest that cross political boundaries and to promote stewardship of the North Bay watershed resources. NBWA Board of Directors' Meetings are held once a month, usually on the first Friday of the month ([meeting information](#)). All meetings are open to the public.*

**This brief report in on the April 9<sup>th</sup> Conference: Celebrating 25 Years of Regional Partnership & Impact**

The sold-out conference featured panelists discussing a range of topics for the North Bay Watershed Association's [Silver Anniversary Biennial Conference](#). This milestone event brought together regional leaders, practitioners, students, and partners for a day of meaningful conversations, shared learning, while celebrating a 25-year legacy of collaboration.

“NBWA’s member agencies are proud and deeply thankful to receive special recognition from Congressman Jared Huffman and Assemblymember Damon Connolly! These honors reinforce the values of long-term collaboration, shared vision, and supporting local leadership in driving meaningful progress.”

**The conference featured four sessions focused on today’s most pressing challenges and opportunities:**

- **Defining / Understanding This Moment**

This session framed the current watershed landscape as a pivotal inflection point shaped by overlapping pressures—climate variability, regulatory shifts, aging infrastructure, workforce trends, and heightened public expectations—requiring practitioners to rethink the inputs and objectives that define problems and design solutions. Speakers emphasized moving beyond siloed, linear approaches toward systems-level thinking that recognizes interdependencies across environmental, social, and institutional dimensions. This convergence moment was posited as disruptive and catalyzing to broaden and modernize initiatives to address real-world complexity.

**Insights:** This is a convergence moment. The innovative approach by Orange County Water District traced the early innovation of treated waste water to recharge groundwater basin to today utilizing AI for data management.

The Orange County approach for water management for optimal dam operation, optimized weather forecasting for meteorological, hydrological, ecological, groundwater and sedimentation data layers synthesized with AI for operations and permitting is an excellent example of the future of water management.

### Developing the Prado Digital Twin



OCWD is leading the development of an innovative Digital Twin as a regulatory compliance and decision-support tool that simultaneously optimizes dam operations for flood control, water supply, and ecosystem protection.



The Scripps Institution of Oceanography's Center for Western Weather and Water Extremes (CW3E) is building the model under OCWD's direction and in close coordination with environmental resource agencies.



Prado Digital Twin integrates meteorological, hydrological, ecological, groundwater, and sedimentation data layers. This work demonstrates how small, distributed datasets can be synthesized with AI to produce actionable impact for operations and permitting.

## From Data to Decisions



### Regulatory Requirement

Supports monitoring program for USFWS

Transforms past, static data into clear visualizations which helped provide the documentation needed to secure minor deviation at 508 ft

Minor deviation biological opinion draft permit requirements



### Informed Decision Making

Better understand factors affecting habitat loss/growth

Historical trend & predictive analysis

Improve dam operations to protect critical habitat like the endangered Least Bell's Vireo

Inform Water Control Manual update process



### Predictive & Automated

Automate data collection

Real-time information

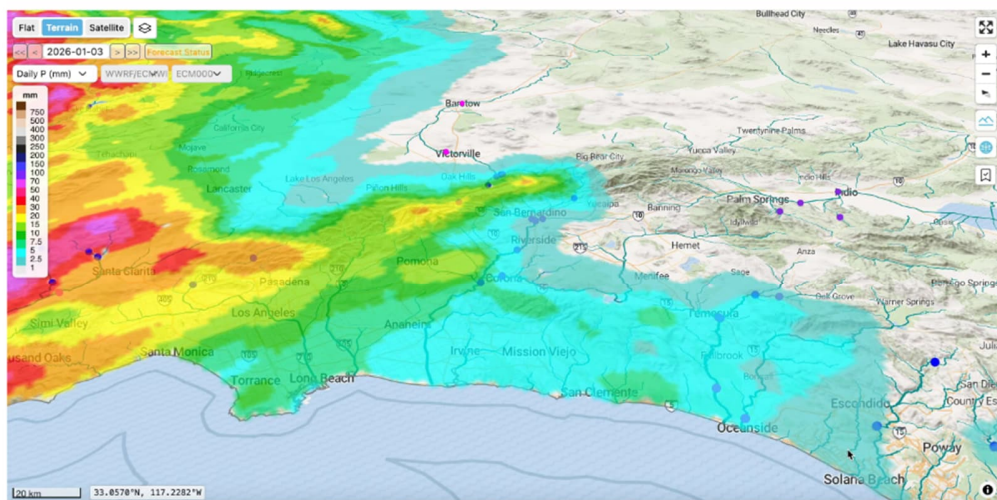
Connect scattered data dashboards and create meaningful visualizations

Identify gaps to improve monitoring

NBWA 2026 Biennial Conference - Meeting this Moment in a Climate of Change



## Digital Twin Application for Flood Control, Water Supply & Natural Resources



- Inspired Funding Solutions Through Storytelling & Community Advocacy**  
 With this session focused on how funding success depends on understanding the changing funding landscape context and clearly communicating project values connecting technical work with community impact. Panelists discussed the importance of aligning messaging with funding priorities across federal, state, nonprofit, and private sectors, while emphasizing the role of advocacy, partnerships, and community perspectives. Projects were described as more competitive when they demonstrate tangible benefits and reflect the needs and voices of the communities they serve.

**Insights:** Storytelling and creative partnership drives funding; Removing barriers and incentivizing progress; Community buy-in and alignment increases success.

Moderated by: Chris Austin, Founder & Publisher, Maven’s Notebook (California Water News Central)

- Fostering Workforce Resilience and Adaptability**  
 Addressing the human dimension of watershed resource management work, this session emphasized that the ability to respond to evolving challenges depends heavily on workforce resilience. Speakers discussed the increasing strain on staff due to workload, complexity, and constant change, noting that organizations must proactively invest in supportive environments, skill-building, and leadership development from existing and new workforce sources. Adaptability was framed as a learned and supported capability—one that requires not just technical training, but also strong communication, collaboration, and problem-solving skills to navigate uncertainty and sustain performance over time.

**Insights:** Workforce wellbeing is strategic, not optional; Adaptability is a core competency.

Moderated by: Marianne Butler, Deputy Executive Director, Solano Resource Conservation District – [Fostering Workforce Resilience and Adaptability: Addressing the evolving needs of today’s workforce to strengthen organizational capacity and long-term resilience](#)

- Creative Approaches to Multi-Disciplinary Projects**  
 This session focused on advancing multidisciplinary, landscape-scale projects by improving coordination across disciplines, agencies, and regions. Panelists emphasized that many challenges are not technical, but relate to aligning efforts, communication, and implementation across sectors. Discussion highlighted the importance of working across broader project networks, including connections between the North Bay and Delta, and coordinating programs that span jurisdictions. Integrating perspectives early and maintaining collaboration throughout projects was identified as necessary to address complex watershed and resource management efforts.

**Insights:** Break silos early; Partnerships expand capacity. There are successful example projects to learn from.

Moderated by: Lucas Patzek, Executive Director of the Napa County Resource Conservation District

For PowerPoint presentations and full list of speakers and bio, click on this link:  
<https://nbwatershed.org/2026-silver-anniversary-biennial-conference/>

**WATER  
ADVISORY  
COMMISSION  
UPDATES**

**SOLANO WATER ADVISORY COMMISSION (SWAC)**

**Meeting Minutes**

**April 22, 2026**

Present:

<b>Agency</b>	<b>Members</b>
SCWA	Chris Lee, Alex Rabidoux, Deborah Barr, Drew Gantner, Gustavo Cruz, Tuyet Hoang
Benicia	
Dixon	Chris Fong
Fairfield	
Rio Vista	
Vacaville	Justen Cole, Tim Hawkins
Vallejo	Melissa Cansdale, Beth Schoenberger (online), Jeff Barich (online)
Solano County	Misty Kaltreider
RD 2068	
SID	Paul Fuchslin, Cary Keaten
Dixon RCD	Kelly Huff
FSSD	
MPWD	Chris Holdener
UC Davis	Courtney Doss (online)
Other	

The meeting was called to order at 12:30 PM.

1. Bylaws

Deborah Barr (Water Agency) noted that it was previously discussed that historically the group has not operated under formal bylaws. Alex Rabidoux (Water Agency) reported that a draft document had been distributed to members for consideration. However, no feedback has been received to date. Discussion remains ongoing pending member input.

2. Golden Mussels

Drew Gantner (Water Agency) provided an update on golden mussel activity. Mussels have begun spawning earlier than last year, likely due to warmer March temperatures. Agencies statewide continue evaluating response strategies. The Water Agency is developing toxicology studies focused on controlling mussels at the veliger stage before they become adults and attach to system infrastructure. Bioassays are anticipated to begin in July or August.

3. Groundwater Banking

Alex Rabidoux (Water Agency) reported that there are no major updates but highlighted ongoing exploration of a pilot groundwater recharge project near Dry Creek in coordination with Solano Irrigation District (SID). The pilot would evaluate the feasibility of using flood flows for recharge and assess percolation rates.

Justen Cole (Vacaville) raised interest in exploring participation in groundwater banking programs as a strategy to manage excess water during high storage conditions. Chris Lee (Water Agency) responded that current groundwater banking options, particularly in Kern County, are likely cost-prohibitive compared to existing water transfer opportunities, though further investigation is possible.

Alex Rabidoux (Water Agency) added that northern California opportunities for groundwater banking are limited but noted ongoing coordination with regional partners including Yolo County. He noted the importance of continued evaluation of both local and regional opportunities. Melissa Cansdale (Vallejo) also referenced Amendment 22 and suggested further discussion on how it may affect groundwater banking and transfer mechanisms.

#### 4. Water Accounting, Transfers, Exchanges

Alex Rabidoux (Water Agency) provided an update that Letters of Understanding (LOUs) have been executed with Fairfield and Vacaville. Benicia and Vallejo are progressing through City Council approvals, and Suisun City will seek board authorization in May.

Total anticipated transfer volume is approximately 9,300 acre-feet. The Water Agency has just invoiced for 2025 transfers with payments expected within 45 days.

Gustavo Cruz (Water Agency) noted that the Department of Water Resources (DWR) has accepted all revisions related to water accounting reclassifications for 2025.

Justen Cole (Vacaville) inquired about updates on the San Luis Reservoir. Alex Rabidoux (Water Agency) noted that storage levels are declining and the risk of spill is very low. He indicated that allocation changes remain uncertain with no indication of increases at this time. Broader discussion included uncertainty around future hydrologic conditions and potential El Niño impacts.

#### 5. Bay-Delta Plan

Alex Rabidoux (Water Agency) reported that there have been no significant updates. It is likely that the State Water Resources Control Board (SWRCB) will approve the plan, but litigation is also highly likely following approval. Chris Lee (Water Agency) noted that the plan adoption is anticipated for October 2026.

The Water Agency is working with DWR for the statement of charges for their portion of the Healthy Rivers and Landscapes (HRL) and is preparing for early implementation of the efforts. Melissa Cansdale (City of Vallejo) asked about implementation timing, and Chris Lee (Water Agency) responded that implementation for all of the HRL parties is likely going to be the first or second quarter of 2027.

## 6. MOU across Solano Agencies

SWAC members agreed to remove this item from future agendas until further information is provided.

## 7. SCWA General Manager's Report

- a. SCWA Board Items: Chris Lee (Water Agency) reported that the May Board meeting will include engineering updates, capital improvement planning discussions, and preliminary budget considerations. He also noted that DWR financial reconciliation is ongoing, with potential liabilities estimated between \$3 million and \$5 million due to historical undercharges. The Water Agency plans to coordinate with Napa to conduct an independent audit.
  
- b. North Bay Aqueduct: Deborah Barr (Water Agency) reported that DWR is conducting seismic studies along the North Bay Aqueduct corridor. She noted that the Water Agency is actively participating in coordination meetings and encouraged member agencies to share geotechnical data to support the effort.
  
- c. Solano Project: Deborah Barr (Water Agency) provided an update beginning with the intertie feasibility study. She noted that draft technical memoranda had been distributed for both agricultural and municipal alignments and that the Water Agency recently met with Coastland Engineering to refine the analysis. Updated materials and a formal presentation are anticipated for the May SWAC meeting. She explained that current cost estimates are approximately \$10 million for the municipal alignment and up to \$30 million for the agricultural alignment with increases driven largely by pipe sizing assumptions. She requested input from member agencies, noting that multiple alignment options remain viable and that additional stakeholder feedback may guide selection of the preferred alternative. She also indicated that a separate, project-specific meeting may be scheduled to allow for more detailed discussion.

Canal liner replacement projects are planned at two locations in Fall 2026 with coordination meetings to be scheduled in the coming months. Deborah Barr (Water Agency) noted that the Water Agency continues to advance its capital improvement program, including rehabilitation betterment efforts and Putah Diversion Dam drainage improvements, although project timing may be influenced by budget considerations. In addition, she discussed ongoing coordination with the Bureau of Reclamation and the City of Fairfield regarding development impacts along the canal.

Hydraulic modeling efforts by West Yost are ongoing along the Putah South Canal as well as Fairfield and Vacaville to evaluate areas of concern. An amendment for additional studies may be brought forward for Board consideration in May. Deborah Barr (Water Agency) noted that these efforts are

part of the Water Agency's broader strategy to proactively maintain and protect critical water infrastructure.

- d. Bay Delta Planning Issues: No additional updates beyond prior discussion.
  - e. Flood Management Issues: No updates.
  - f. Other Regional and State Issues: Chris Lee (Water Agency) noted ongoing legislative activity related to groundwater banking and water management that may impact State Water Project operations.
  - g. Other Issues: No updates.
8. Groundwater Planning
- a. SGMA Update: Alex Rabidoux (Water Agency) noted that the annual groundwater sustainability plans (GSP) report was submitted and that in January, there will be a 5-year update. Collaboration with various GSAs is anticipated.
9. Solano County Report
- Misty Kaltreider (Solano County) reported that the Delta Stewardship Council, in regards to the Delta Tunnel and consistency determination that is coming up, will be looking at items that they are asking DWR to reevaluate. One aspect being the screening of intakes and potential habitats for golden mussels. She noted the California Supreme Court denied the appeal from DWR and affirmed the decision from the lower court regarding the funding of the Delta Tunnel. The long-term impact this decision has on the Delta Tunnel Project is unclear.
10. Other Topics: Cary Keaten (SID) noted that the Association of California Water Agencies (ACWA) Spring Conference is occurring the first week of May and an announcement of the new executive director is anticipated. ACWA Region 4 will be scheduling an event tour in October.
11. Public Comments: No public comments were made.

The meeting was adjourned at 1:18 PM.

NEXT MEETING: Wednesday, May 27, 2026

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: General Manager Services Agreement

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RECOMMENDATIONS:

Approve agreement for General Manager Services.

FINANCIAL IMPACT:

There is adequate funding in the Fiscal Year 2026-2027 Budget for compensation for the incumbent to continue with General Manager Services.

BACKGROUND:

The Board of Directors (BOD) has agreed upon the appointment of the incumbent for General Manager services. The BOD has completed discussions and has presented the employment agreement for consideration by the Board.

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Approval of an agreement for General Manager Services is consistent with Goal #10 (Funding and Staffing) to provide the necessary resources to continue to achieve SCWA's mission and values efficiently and effectively in a fiscally responsible manner.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

---

Approved as  
Recommended

Other  
(see below)

Continued on  
next page

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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

---

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

**AGREEMENT BETWEEN SOLANO COUNTY WATER AGENCY AND CHRIS LEE  
FOR GENERAL MANAGER SERVICES**

This AGREEMENT FOR GENERAL MANAGER SERVICES (“**Agreement**”) is made as of **May 15, 2023**, (“**Effective Date**”) by and between SOLANO COUNTY WATER AGENCY (“**Agency**”) and **Chris Lee** (“**Manager**”) for employment as General Manager of the Agency.

WHEREAS, Agency has broad powers to provide water and flood control services to residents of the Agency; and

WHEREAS, Agency wishes to engage **Chris Lee** as its General Manager for a term of office upon the terms and conditions set forth in this Agreement.

NOW, THEREFORE, IT IS MUTUALLY AGREED as follows:

1. **SCOPE OF SERVICES.** Agency hereby engages **Chris Lee** as its General Manager. Manager will plan, organize, direct and coordinate the activities and functions of Agency under the general direction of the Agency’s Board of Directors. These duties include, but are not limited to, functioning as a technical advisor to the Board of Directors; representing the Agency with other governmental agencies; assisting the Board of Directors in the development and determination of overall policy and programs; supervising other Agency staff; coordinating with and, as an ex officio member, being a representative of Agency to Agency's Advisory Commission; and, performing related duties as may be required or assigned from time to time. At all times during the term of this Agreement, Manager shall be directly responsible to and report to the Board of Directors. Manager shall maintain all forms of professionalism, candor, and integrity expected of a General Manager.

2. **TERM OF AGREEMENT.** The term of this Agreement is from the employment date of **May 15, 2026**, until **May 15, 2027**, inclusive. Either party may terminate this Agreement without cause upon sixty (60) days prior written notice to the other party, unless waiver of such notice is mutually agreed to in writing by the parties. In the event of early termination of this Agreement for any reason, Manager shall not be entitled to severance pay. Should this Agreement not be terminated, this Agreement shall be subject to renegotiation and renewal at the end of the current term upon terms and conditions mutually acceptable to the parties. Employee expressly acknowledges and agrees that Employee shall be an “at will” employee serving at the pleasure of the District Board of Directors and may be removed as the Manager with or without cause in the sole discretion by the Board of Directors.

3. **BEST EFFORTS.** Manager agrees that he will at all times faithfully, industriously, and to the best of his ability, experience and talent perform all of the duties that may be required of or from him, pursuant to the express and implicit terms of this Agreement, the Agency governing act, and the law, codes and statutes of the State of California.

4. **BASE SALARY.** Effective upon the Effective Date, Agency shall compensate Manager an annual base salary not to exceed Three Hundred and Three Thousand One Hundred and Thirty-Two Dollars (\$303,132), payable in installments in accordance with Agency’s normal

payroll policies or practices. The parties agree that the General Manager position is an exempt position under the federal Fair Labor Standards Act and is not subject to the payment of overtime. This annual base salary shall not change during the term of this Agreement except for any cost-of-living adjustment granted to Agency employees as a whole, which Manager shall also receive at the same rate or percentage as other Agency employees, or if the Board grants an increase in salary based on an annual performance review of the General Manager.

5. **HOURS OF WORK.** The burden of responsibility for this position extends through all the hours of the day and all the days of the week. As such, no additional compensation for overtime is provided. Manager shall devote full time to the Manager position and shall generally work normal office hours Monday through Friday from 8:00 a.m. to 5:00 p.m., with one (1) hour for lunch. Such normal hours of work may vary as Manager is required to perform duties and responsibilities outside the normal business hours of the Agency such as for the regular and special meetings of the Agency Board of Directors. Employee shall attend all Agency Board meetings unless excused.

6. **PERFORMANCE EVALUATION.** The Agency shall review and evaluate the performance of the General Manager in September of each year of this Agreement. Said review and evaluation shall be conducted by an ad hoc committee, the members of which shall be established by the Board of Directors. Evaluation criteria shall be developed by the General Manager in conjunction with the Board of Directors, and the evaluation criteria shall be adopted by mutual consent of the Board of Directors and the General Manager within one hundred and twenty (120) days of commencement of this Agreement, or as soon as practicable thereafter, and annually thereafter for the term of this Agreement. The annual performance evaluation may be used to consider adjustments to General Manager's base salary as determined by the Board of Directors in its sole discretion.

7. **BENEFITS.**

A. Employee Handbook. Except as otherwise expressly provided for in this Agreement, Manager shall be entitled to all of the benefits, rights, protections, and privileges provided for in Agency's Employee Handbook, dated February 2026 ("**Employee Handbook**"), as such Employee Handbook may be amended from time to time. The terms, words, and phrases used in this Agreement shall have the same meaning as used or defined in the Employee Handbook, except as otherwise expressly provided for in this Agreement. In the event of any conflict or inconsistency between the provisions of this Agreement and the Employee Handbook, the provisions of this Agreement shall control, except that any benefits provided in any updates to the Employee Handbook that are more beneficial to Manager than those listed in Section 7.B shall be granted to Manager.

B. Additional Benefits. In addition, Agency will provide Manager with the following benefits:

i. Bereavement Leave. Manager shall be entitled to five (5) days of

bereavement leave with pay upon the death of a member of his immediate family as specified in the Employee Handbook.

ii. Retirement. Agency will pay the Employer's and Employees' contribution for providing PERS coverage to Manager.

iii. Dental Insurance. Agency shall pay one hundred percent (100%) of the cost of providing dental care coverage for Manager and his eligible dependents.

iv. Vision Insurance. Agency shall pay one hundred percent (100%) of the cost of providing VSP Vision Care plan B coverage for Manager and his eligible dependents.

v. Employee Assistance Program. Agency shall pay one hundred percent (100%) of the cost of providing an Employee Assistance Program for Manager.

vi. Long-Term Disability and Long-Term Care Insurance. Agency shall reimburse Manager for one hundred percent (100%) of the cost of obtaining long-term disability insurance for himself up to a maximum premium payment of Three Thousand Dollars (\$3,000.00) per year and for one hundred percent (100%) of the cost of obtaining long-term care insurance for himself up to the maximum premium payment specified in the Employee Handbook.

vii. Solano County Water Agency Cafeteria Plan. In addition to the benefits identified in this Section 7, Manager shall be entitled to participate in the Agency's Cafeteria Plan of other benefits on the same terms and conditions provided to other Agency employees.

viii. Workers Compensation Insurance. To the extent required by law, Agency shall provide Workers Compensation Insurance for Manager.

ix. Unemployment Insurance. To the extent required by law, Agency shall provide unemployment insurance for Manager.

x. Vacation. Manager shall accrue vacation time off at the rate of Twenty (20) days per year.

xi. Sick. Manager shall accrue sick time at the rate of twelve (12) days per year.

xii. Longevity Pay. Manager would be eligible to receive an additional 2.5% longevity pay, per level, after the completion of continuous service at 10, 15, 20, 25, 30, and 35 years.

xiii. Retiree Health. Manager shall be entitled to vested retire health benefits up to a maximum of 80% of the Kaiser Region 1 Family Basic (Party Rate 3) per month, plus administrative fees and contingency reserve fund assessments.

xiv. Holidays. In addition to the paid holidays provided for in the Employee Handbook, Manager shall be entitled to two (2) paid floating holidays per year. The two (2) floating holidays will be credited to Manager on January 1 of each calendar year of this Agreement. Floating holidays shall be taken in eight (8) hour increments and shall be used during the calendar year to which they are credited or shall otherwise be lost. However, if this Agreement is terminated, expired or not renewed by the parties, any unused floating holidays not otherwise lost will be paid to Manager at his then-base salary rate.

xv. Administrative Leave. On January 1 of each calendar year of this Agreement, Manager shall be credited with six (6) days of paid administrative leave. Administrative leave may be taken in increments of less than eight (8) hours at a time, and shall be used during the calendar year credited or otherwise be lost. However, if this Agreement is terminated, expired or not renewed by the parties, any unused administrative leave not otherwise lost will be paid to Manager at his then-base salary rate.

8. **VEHICLE ALLOWANCE**. Manager shall provide his own vehicle to be used in the performance of his duties, and Agency shall provide an automobile allowance of Five Hundred Dollars (\$500) per month for said use. The General Manager shall be responsible for paying for liability insurance as required by State law, fuel, maintenance, repair of his vehicle and other costs associated with the ownership and use of the vehicle.

9. **NOTICES**. Any notice or communication required or permitted hereunder shall be in writing and shall be delivered personally, delivered by nationally recognized overnight courier service or sent by certified or registered mail, postage prepaid, or (if an email address is provided) sent by electronic transmission (subject to confirmation of such electronic transmission). Any such notice or communication shall be deemed to have been given (i) when delivered, if personally delivered, (ii) with the day received from a nationally recognized overnight courier service, if sent by nationally recognized overnight courier service, (iii) the day of sending, if sent by email before 5:00 p.m. (PT) on any Business Day or the next succeeding Business Day if sent by email after 5:00 p.m. (PT) on any Business Day or on any day other than a Business Day or (iv) five (5) Business Days after the date of mailing, if mailed by certified or registered mail, postage prepaid, in each case, to the following address or email address, or to such other address or addresses or email address or addresses as such Party may subsequently designate to the other Party by notice given hereunder:

Manager:

Chris Lee  
General Manager  
Solano County Water Agency  
810 Vaca Valley Parkway, Ste 203  
Vacaville, CA 95688  
Phone: 707-455-1105  
Email: clee@scwa2.com

Agency:

Alma Hernandez

Chair

Board of Directors

Solano County Water Agency

810 Vaca Valley Parkway, Ste 203

Vacaville, CA 95688

Phone:707-330-0384

Email:ahernandez@suisun.com

“**Business Day**” means any day other than a Saturday, Sunday, or any other day on which banking institutions in the State of California are authorized by law or executive action to close.

10. **MISCELLANEOUS.**

A. Interpretation; Headings. Each party has reviewed this Agreement and any question of doubtful interpretation shall not be resolved by any rule or interpretation providing for interpretation against the drafting party. This Agreement shall be construed as if both parties drafted it. The captions and headings contained herein are for convenience only and shall not affect the meaning or interpretation of this Agreement.

B. Authorization. Each party warrants to the other that he or she is fully authorized and competent to enter into this Agreement in the capacity indicated by his or her signature and agrees to be bound by this Agreement.

C. Entire Agreement; Amendments. This Agreement embodies the whole understanding and agreement between the parties hereto, and there are no inducements, promises, terms, conditions or obligations made or entered into by Agency or Manager other than those contained herein. The foregoing provisions are understood and agreed to by Manager. This Agreement may only be modified or amended by a writing duly executed by the parties to this Agreement.

D. Attorneys Fees. If any legal proceeding is necessary to enforce or interpret the terms of this Agreement, the prevailing party shall be entitled to reasonable attorney fees, as well as costs and disbursements, in addition to any other relief to which the prevailing party may be entitled.

E. Arbitration. Any dispute or claim that arises out of or relates to Manager’s employment with Agency and/or this Agreement will be submitted to final and binding arbitration in accordance with the Employment Arbitration Rules and Mediation Procedures of the American Arbitration Association then in effect. Nothing in this section shall prevent Manager from filing or maintaining a charge with the United States Equal Employment Opportunity Commission or the National Labor Relations Board. The arbitration shall take place in Solano County, California, and both parties agree to submit to the jurisdiction of the arbitrator selected in accordance with American Arbitration Association rules and procedures. The parties

agree that this arbitration procedure will be the exclusive means of redress for any disputes relating to Manager's employment and/or this Agreement. The parties each expressly waive the right to a jury trial, and agree that the arbitrator's award shall be final and binding on the parties, provided that any award shall be reviewable by a court of law to the fullest extent allowed by law, including for any error of law by the arbitrator. The arbitrator shall have discretion to award monetary and other damages, or to award no damages, and to fashion any other relief the arbitrator deems appropriate, but only to the extent consistent with law.

F. Governing Law. This Agreement shall be governed by the laws of the State of California, and the rights and obligations of the parties hereto shall be construed and enforced in accordance with the law of the State of California.

G. Waiver. Any waiver at any time by any party hereto of its rights with respect to default or any other matter arising in connection with this Agreement and shall not be deemed to be a waiver provided in the Agreement or at law shall not prevent the exercise by the party of any other remedy provided in this Agreement or at law.

H. Severability. If any terms, provisions, conditions and covenants of this Agreement shall be held invalid or unenforceable, the remainder of the Agreement shall not be affected thereby and shall be valid and enforceable to the fullest extent permitted by law.

I. Legal Advice: Neutral Interpretation. Each party has received independent legal advice from its attorneys with respect to the advisability of executing this Agreement and the meaning of the provisions hereof. The provisions of this Agreement shall be constructed as to their fair meaning, and not for or against any party based on any attribution to such party as the source of the language in question. The headings used in this Agreement are for the convenience reference only and shall not be used in construing this Agreement.

J. No Third Party Beneficiary. Nothing in this Agreement, express or implied, is intended to confer any rights or remedies under or by reason of this Agreement on any person other than the parties to it and their respective permitted successors and assigns, nor is anything in this Agreement intended to relieve or discharge any obligation of any third party any party hereto or given any third person any right of subrogation or action over and against any party to this Agreement.

K. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. This Agreement consists of five (5) pages which constitute the entire understanding and agreement of the parties.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first above written.

MANAGER \_\_\_\_\_

SOLANO COUNTY WATER AGENCY

By: \_\_\_\_\_  
Chairman, Board of Directors

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Water Agency Compensation Study

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RECOMMENDATIONS:

Authorize staff to issue a Request for Proposals (RFP) to engage a qualified external firm to conduct an agency-wide compensation study, complete the study, and return to the Board at a future meeting with findings and recommendations for consideration.


FINANCIAL IMPACT:

If approved, an estimated \$150,000 will be programmed into the FY 2026–2027 budget to fund the agency-wide compensation study. The proposed FY 2026–2027 budget will be presented to the Board for consideration and approval in June 2026. Final costs will depend on the scope of work and consultant selected through the RFP process.

BACKGROUND:

The Agency last conducted an organization, classification, and compensation study in 2021. Since that time, labor market conditions, compensation trends, and competitive pressures among public-sector agencies have continued to change. To ensure the Agency’s organizational structure and compensation program remain competitive, equitable, and aligned with current market conditions, staff recommends conducting a new agency-wide compensation study.

The study would include a comprehensive review of job classifications, salary ranges, and internal alignment, as well as market comparisons with comparable public-sector agencies. Staff will issue a Request for Proposals (RFP) to solicit proposals from qualified consultants with expertise in public-sector compensation studies. Upon completion of the study, staff will return to the Board at a future date with the firms findings and recommendations for Board consideration.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

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<input type="checkbox"/> Approved as Recommended	<input type="checkbox"/> Other (see below)	<input checked="" type="checkbox"/> Continued on next page
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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

---

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Authorization for an agency-wide compensations study is consistent with Goal #10 (Funding and Staffing) to provide the necessary resources to continue to achieve SCWA's mission and values efficiently and effectively in a fiscally responsible manner.

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** May 14, 2026

**SUBJECT:** Engineering and Capital Improvement Plan Update

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RECOMMENDATIONS:

Receive presentation on engineering and capital improvement projects (CIP) including, but not limited to, infrastructure within the Solano Project, Lower Putah Creek, and the Ulatis/Cache Slough waterways.

FINANCIAL IMPACT:

None.

BACKGROUND:

In October 2025, the Water Agency hired Joe Camaddo as an associate engineer to assist the engineering team and lead CIP efforts. With SCWA staff managing a significant amount of infrastructure including but not limited to a diversion dam with 12-radial gates, 33-miles of canal including 13- check dams and 1-reservoir, 38-miles of creek with need for habitat restoration, 58-miles of flood protection areas (including Mellin levee) and various private

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

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<input type="checkbox"/> Approved as Recommended	<input type="checkbox"/> Other (see below)	<input checked="" type="checkbox"/> Continued on next page
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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

---

Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

May.2026.BOD.ITM.13

File: S-10

**Page 2**

property (e.g., Sacket, Lang Tule, Peterson Ranch), the engineering team and SCWA staff has been diligently working to further identify the projected CIPs agency wide.

The Solano Project R&B Plan was the first of several plans to be prepared. Staff have been continuing with this effort to build a CIP plan for each of the systems managed by the Water Agency including Lower Putah Creek, the Ulatis/Cache Slough and a general agencywide CIP to proactively manage and repair the aging infrastructure. As these plans are in place, staff will be able to better inform the Board of the agency's assets, their conditions and the project budget impacts on a fiscal year basis.

The Engineering team consists of eight full-time employees and two part-time interns. Under the guidance of the general manager and assistant general manager, staff ensure smooth operation and maintenance of several systems the agency is responsible for. Deborah Barr (Manager of Engineering) oversees the engineering team and guides the implementation of projects, development, and improvements across agency facilities. Jay Cuetera (Supervising Water Resources Engineer) oversees SCADA, data management, flood hazard, and flow and water quality monitoring. Zach Hyer (Senior Water Resources Specialist) assists in stream restoration, maintenance, and LPCCC flow compliance. Rick Fowler (Senior Water Resources Technician) maintains agency facilities, operates heavy equipment, and implements stream restoration projects. Zach Turley (Assistant Water Resources Engineer) assists in SCADA instrumentation, flow and water quality monitoring, and modeling. Gustavo Cruz (Associate Water Resources Engineer) oversees the Ulatis Flood Control and Green Valley Project operations and maintenance and performs the State Water Project and Solano Project water accounting for the agency. Gavin Poore (Associate Water Resources Engineer) oversees stream restoration projects, grant management, and groundwater reporting. Joe Camaddo (Associate Water Resources Engineer) is a recent hire who is undertaking the Solano Project Rehab and Betterment projects and Development Review. Due to heavy workloads and the need to focus on implementation of capital improvement projects across the State Water Project, Solano Project, and Healthy Rivers and Landscape (106A grant funded projects) systems, staff recognizes the need for additional engineering staff support. Thus, staff recommends the reclassification of a vacant position to assist in these efforts.

The Solano Project R&B Plan is a comprehensive planning tool for the enhancement of the Solano Project as it relates to SCWA's 2016-2025 Strategic Plan. The projects outlined are vital for extending the lifespan of the Solano Project's aging infrastructure and enhancing water supply reliability in Solano County. This Plan is designed to guide investment and enhancement of the Solano Project over ten (10) fiscal years (FY) from FY2025 to FY2034. The Solano Project R&B Plan identified 60 projects that include new build, rehabilitation, and studies that address critical needs to sustain the integrity of the Solano Project. Since the October 2024 plan, four projects have been completed, six projects have been added, and one has been removed.

To date, a few priority projects are in process including the Putah Diversion Dam Roadway and Drainage Improvements, the Radial Gate Rehabilitation and Modernization project, and the Nishikawa habitat restoration project along lower Putah Creek. Additionally, project management efforts for several projects identified in the Solano Project R&B Plan will be presented in the Engineering update.

This agenda item (Engineering Update) is for information only. The project specific items requiring the Board approval will be brought forth separately.

**RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:**

The Solano Project R&B Plan and Engineering Update is consistent with Goal #1 (Water Supply Management),

**Page 3**

Goal #2 (Water Management Infrastructure), Goal #3 (Flood Management), Goal #4 (Water Resources Resiliency), Goal #6 (Data Management), and Goal #7 (Natural Resources Stewardship) of the 2016-2025 Strategic Plan.



# Solano Project Rehabilitation and Betterment Plan

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October 2024



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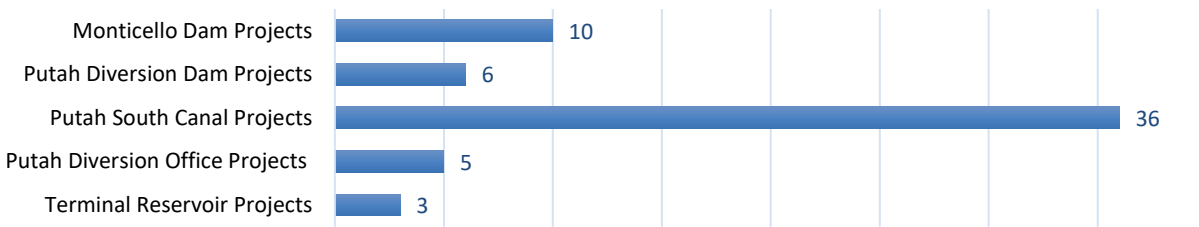
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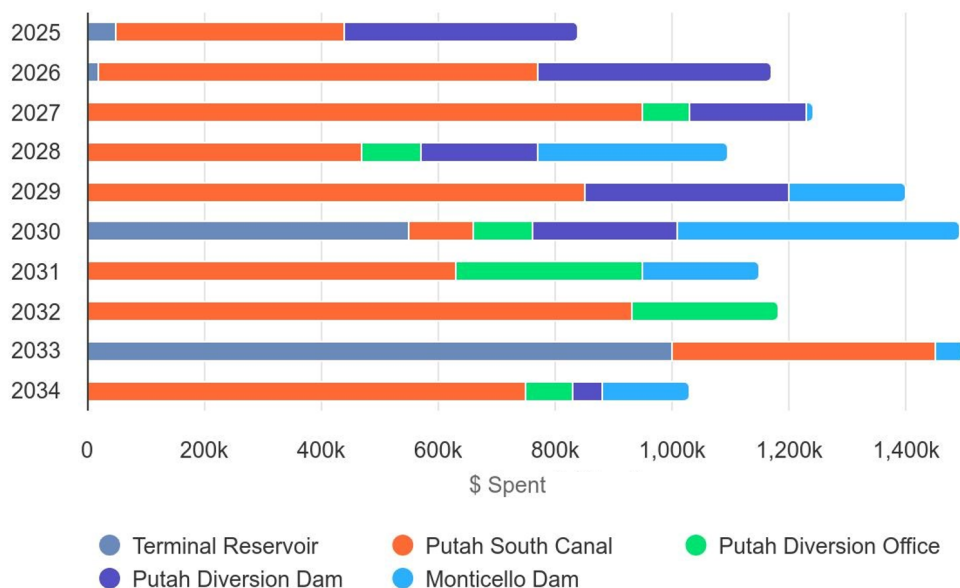
# Executive Summary

The Solano Project Rehabilitation and Betterment Plan (Plan) is a comprehensive planning tool for the enhancement of the Solano Project as it relates to Solano County Water Agency's (SCWA) 2016-2025 Strategic Plan. The projects outlined in this Plan are vital for extending the lifespan of the Solano Project's aging infrastructure and enhancing water supply reliability in Solano County. This Plan is designed to guide investment and enhancement of the Solano Project over the next ten (10) fiscal years (FY) from FY2025 to FY2034. This Plan has identified 60 projects that include new build, rehabilitation, and studies that address critical needs to sustain the integrity of the Solano Project.



For the FY 2024/2025, there are ten (10) projects scheduled, with a total budget of \$865,000 allocated for their implementation. On average \$1.2 million is proposed to be spent annually on capital improvement projects (CIP) as outlined in this Plan. Below is a breakdown of the anticipated project costs by fiscal year.

Plan implementation will include regular monitoring and evaluation by SCWA staff in collaboration with Solano Irrigation District (SID) staff, due SID being the 3<sup>rd</sup> party contractor hired to assist with Operations and Maintenance of the Putah South Canal. The CIP list will be updated on an annual basis and presented to the SCWA Board for approval, which will include completed projects and/or newly identified projects. The Plan itself will further be evaluated every five to ten years and remain a long-term planning tool.



# 1. Background

On November 11, 1948, Monticello Dam was authorized by the Secretary of the Interior, under the Reclamation Project Act of 1939, and was constructed by the U.S. Bureau of Reclamation (Reclamation) from 1953 to 1957. The first water was delivered in 1959. Monticello Dam regulates the flows along the reaches of Lower Putah Creek and stores surplus water for Solano County. Lake Berryessa has a storage capacity of 1,551,000-acre feet<sup>1</sup>, built to provide a secure and reliable water source for farmers and residents of Solano County. Solano County Water Agency (SCWA) was established by Assembly Bill No. 2069 on September 1989, otherwise known as the Solano County Water Agency Act (Act), by the California State Legislature (Legislature). The Legislature found it necessary to establish SCWA for the conservation, development, control, and use of water for the public good and for the protection of life and property within Solano County. The Act defines the boundaries of SCWA and ties its boundaries to the boundaries of Solano County.

As an independent Special District, SCWA operates as a separate local government that has no reporting responsibility to Solano County nor to the cities of Solano County. SCWA reports to a Board of Directors (Board) consisting of the mayors of cities in Solano County, representatives from irrigation/agricultural agencies within Solano County, and the Solano County Board of Supervisors.

SCWA provides wholesale water services to nine (9) agencies. There are long-term water service contracts between SCWA and each of the eight (8) participating agencies that include the California State Prison Solano, City of Fairfield, Maine Prairie, Solano Irrigation District (SID), Suisun City, University of California Davis, City of Vacaville, and City of Vallejo. The City of Benicia is not a participating agency but is granted nearly the same rights through a transfer purchase of Solano Project water from SID. SCWA leads efforts to protect existing water rights and is involved in countywide flood control planning.

## 1.1 Rehabilitation and Betterment Plan Purpose

The intent of the Solano Project Rehabilitation and Betterment Plan (Plan) is to outline SCWA's long-term investments to sustain the integrity of the Solano Project, in alignment with the adopted SCWA 2016-2025 Strategic Plan (Strategic Plan). This Plan serves to prioritize, schedule, and fund capital improvement projects (CIP) that enhance public services, facilities, and infrastructure systems managed by SCWA while remaining in alignment with the overarching Strategic Plan. The Plan prioritizes CIP, including studies, rehabilitation and new build projects generally valued over \$50,000. These projects are designed to address critical infrastructure needs and ensure the efficient utilization of financial resources for the span of ten (10) fiscal years from 2025 to 2034.

Operation and Maintenance (O&M) projects are not included in this Plan. These projects are managed and budgeted annually within on-going fiscal year budgets and usually involve routine maintenance of the Solano Project.

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<sup>1</sup> Bathymetric Survey of Lake Berryessa completed in 2008 and Board adopted in 2009

## 1.2 Rehabilitation and Betterment Plan Development

The projects included in this Plan were identified through a process that involved assessing the existing condition and needs of the Solano Project. As part of this process, fieldwork was conducted, which included driving the thirty-three (33) miles through the entirety of the Solano Project to visually inspect the condition and functionality of its facilities. This field assessment provided valuable insight into the state of the infrastructure and facilities allowing for the identification of necessary maintenance, upgrades, and studies. By physically inspecting the facilities a better understanding was obtained regarding the condition of the infrastructure, the associated risks, and deteriorating assets. This assessment of the Solano Project infrastructure included prioritizing the CIP and verifying they are in alignment with the regional needs to deliver a safe reliable water supply for the residents of Solano County. The following is a breakdown of the types of projects identified.

- **New Build:** The planning, design, and construction of new infrastructure or facilities.
- **Rehabilitation:** The restoring, upgrading, or enhancing of existing infrastructure or facilities.
- **Study:** A study, plan, or assessment of infrastructure or facilities.

The projects identified from the field assessment of the Solano Project are classified into priority rankings. The ranking order consists of Ranking 1 through 4, with Ranking 1 identified as critical priority and Ranking 4 as low priority. Rankings are based on the current condition of the infrastructure, the level of risk that may be involved if that infrastructure failed and/or continue to not exist, along with considering if the project is required to protect and sustain the integrity of the Solano Project and/or allow the agency to continue to deliver a safe and reliable water supply.

- **1:** Critical Priority
- **2:** High Priority
- **3:** Medium Priority
- **4:** Low Priority

The projects identified in this Plan support SCWA's Strategic Plan which defines the vision for the management of water resources within SCWA's scope of responsibility. The Strategic Plan provides guidance to the SCWA Board and SCWA staff in directing SCWA policy and resources to address current and future issues within SCWA's purview. Each project identified in this Plan aligns with one or more goals outlined in the Strategic Plan per **Table 1**.

**Table 1. Solano County Water Agency 2016-2025 Strategic Plan Goals**

Goal	Description
G1. Water Supply Management	Optimize the management of the County’s current and future water resources in a sustainable manner.
G2. Water Management Infrastructure	Optimize the use of SCWA managed infrastructure.
G3. Flood Management	Implement SCWA’s role in flood management.
G4. Water Resource Resiliency	Protect access to reliable water supplies under current and future stressors.
G5. Education and Outreach	Provide and maintain communication of SCWA activities and responsibilities.
G6. Data Management	Maintain data that supports effective, efficient water supply and reliability.
G7. Natural Resources Stewardship	Develop comprehensive approaches to the stewardship of natural resources.
G8. Groundwater Management	Implement SCWA’s role in Sustainable Groundwater Management Act.
G9. Advocacy	Expand proactive advocacy at regional, state, and federal levels to achieve the objectives of SCWA.
G10. Funding and Staffing	Provide the necessary resources to continue to achieve SCWA’s mission and values efficiently and effectively in a fiscally responsible manner.

Key:  
SCWA = Solano County Water Agency

### 1.3 Planning Process

The development of this Plan involved a collaborative and iterative process. This Plan was written in collaboration with SID O&M staff, reviewed by the Solano Water Advisory Commission, and adopted by the SCWA Board.

Plan implementation will involve regular monitoring and evaluation efforts to manage projects and their status. Projects will be evaluated on an on-going basis by SCWA and SID staff. The CIP list will be updated annually, and additional projects may be added on an as needed basis and/or as significant changes occur. The CIP list and updates will be taken to the SCWA Board for approval on an annual basis to approve any changes, identify the new projects, and recognize those that have been completed. The Plan will then further be revised every five (5) to ten (10) years and used as a long-term planning document.

### 1.4 Financial Planning

SCWA adopts an annual budget and makes decisions on the efficient use of its resources. The financial plan includes the operating and capital programs and sets levels of related operating and capital expenditures that may be completed during the budget period. The SCWA Board approves the annual budget, and it is implemented and monitored throughout the year by project managers and executive management. The budget for each fiscal year is approved in June prior to the fiscal year and is meant to support the mission, value, goals, and objectives of the Strategic Plan. The funds available to SCWA are derived from the following sources.

- Charges for Services

- Operating Grants and Contributions
- Capital Grants and Contributions
- Property Taxes
- Investment Earnings
- Other

Since the rehabilitation and betterment projects for the Solano Project often require significant funding and supported by specific local agencies, SCWA created the Solano Project Fund (Fund) to implement projects like those included in this Plan. This Fund accounts for SCWA's water supply contract with Reclamation for the water supply provided by contract cities, agricultural districts, and State agencies. Property tax revenues are used to pay for operations, maintenance, rehabilitation, and betterment. O&M of the Solano Project infrastructure is completed with assistance from SID staff per the SCWA Board approved professional service contract between SCWA and SID. Included in this Fund are costs associated with a water master to monitor water use in the Upper Putah Creek Watershed and development of a Habitat Conservation Plan. Other functions include the flood control program and water conservation program. The cost to maintain the Solano Project are included annually in SCWA's budget, averaging between one million and two million dollars. The capital improvement projects outlined in this Plan aim to maintain the integrity of the Solano Project. These projects are generally one-time initiatives focused on rehabilitating existing infrastructure, developing new infrastructure to ensure a reliable water supply for SCWA's contracting agencies and/or studies to identify the viability of alternatives for proposed improvements to the Solano Project system. Each project typically requires a minimum investment of \$50,000, between all project expenses including but not limited to administration costs, land acquisition, planning, design and/or construction expenses.

## 2.Rehabilitation and Betterment Projects

### 2.1 Solano Project Description

The Solano Project is a federal project with the U.S. Bureau of Reclamation (Reclamation) that stores water in Lake Berryessa for delivery to agriculture, municipalities, and military facilities within Solano County. The Solano Project is one of two surface water sources for Solano County that provides about half the municipal water supply and majority of the agricultural water supply in Solano County.

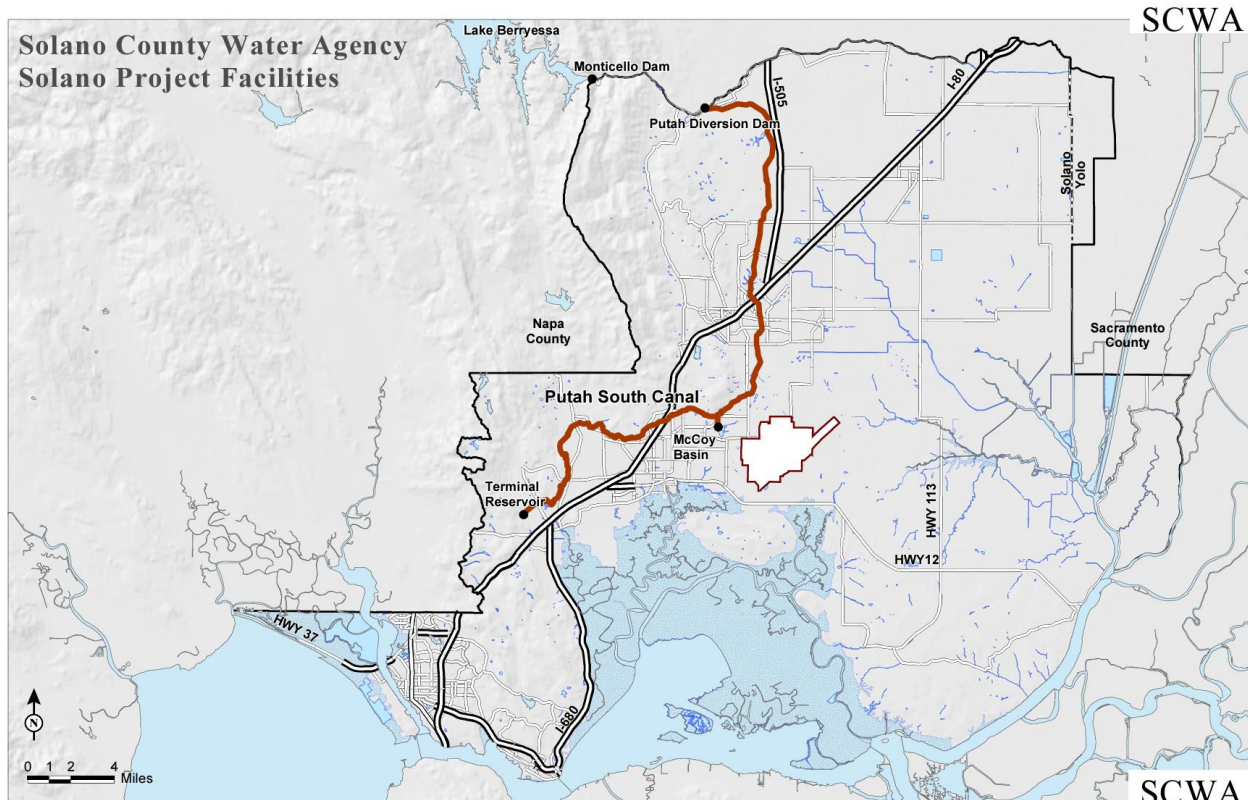
The majority of the Solano Project lies in Solano County, bordering the northeast extremity of the San Francisco Bay, while Lake Berryessa, the reservoir behind Monticello Dam, lies in Napa County, and Monticello Dam in Yolo County. The Solano Project consists of a multitude of infrastructure including but not limited to, waterways, laterals, drainage works, with the key features listed below. **Figure 1** identifies the major Solano Project facilities:

- Monticello Dam
- Putah Diversion Dam
- Putah South Canal
- Terminal Reservoir

The Solano Project was created in the 1940's and 1950's to supplement Solano County's increased water demands. Prior to the Solano Project, much of the agricultural water demands were met by use of groundwater, which subsequently contributed to groundwater overdraft (e.g., more water pumped than recharged, in which some wells were observed dry during portions of the year) in several areas around Solano County. The Solano Project was ultimately built to offset groundwater use by providing surface water supply to support urban population and agricultural growth throughout Solano County.

The water supply source for the Solano Project is Putah Creek. The drainage basin is 576 square miles above Monticello Dam and lies to the Northwest of Solano County on the eastern slope of the Coast Range in Napa and Lake counties. In late summer, the stream has little or no flow. In winter, runoff occurs almost immediately after precipitation due to the absence of snow- pack and appreciable ground-water storage in the upper watershed.

The identified projects in this Plan play a crucial role in extending the lifespan of the aging infrastructure and improving water supply reliability for the residents of Solano County through the Solano Project. As many of the existing water infrastructure assets are aging, facing stress due to growing demand and changing environmental conditions, these projects are essential for the delivery of safe and reliable high-quality water supplies to Solano County through the Solano Project. The following sections highlight key projects completed in the past and describe projects included in this Plan.



**Figure 1. Solano Project Facilities**

## 2.2 Recently Completed Projects

Solano County Water Agency (SCWA) and Solano Irrigation District (SID) have actively completed rehabilitation and betterment projects on an as needed basis for the Solano Project infrastructure. The following describes two notable projects completed in the last decade that assist in continuing to secure and protect water supplies for Solano County.

### 2.2.1 Phase 1: Putah South Canal Headworks Improvements Modifications

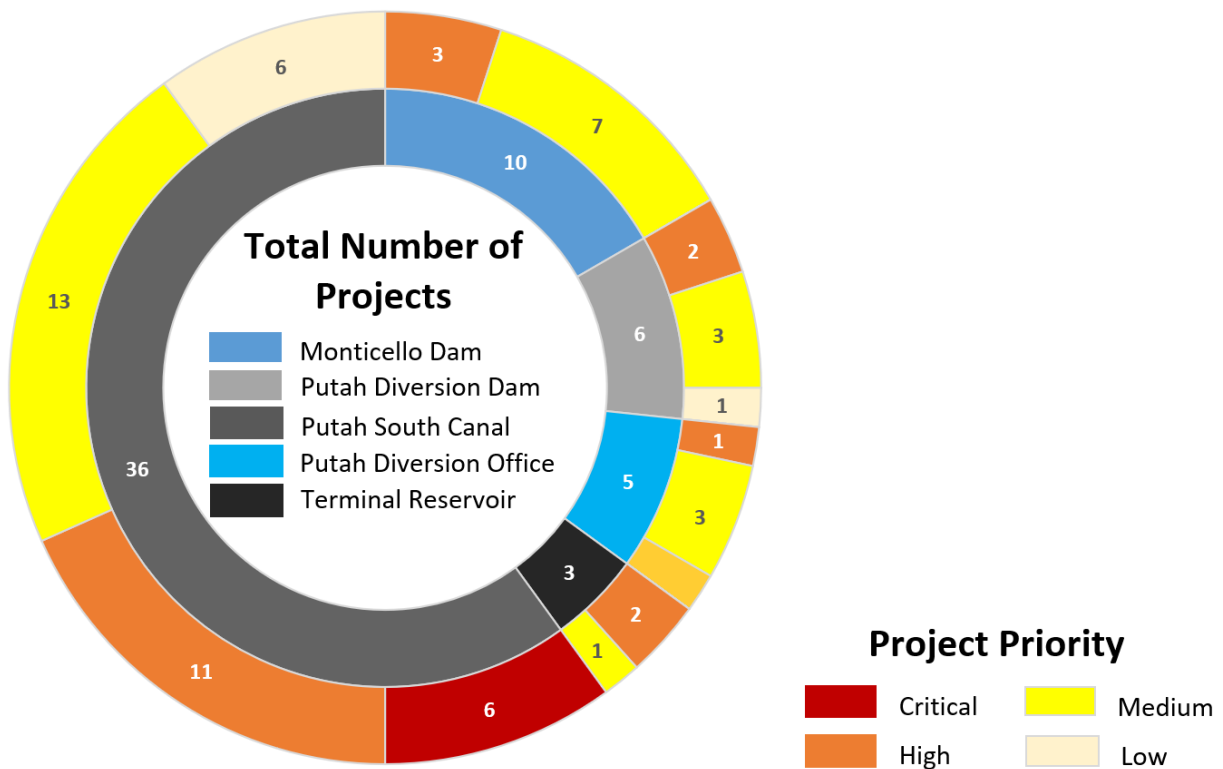
The Putah South Canal (PSC) Headworks is a structure located on Putah Creek below Lake Berryessa and just upstream of the Putah Diversion Dam (PDD). The PSC headworks structure has been experiencing high volumes of vegetation and sedimentation loading at the inlet structure trash racks. The vegetation loading occurred during the spring/ summer period when vegetation growth in Lake Solano was at its peak and the sediment loading occurred during the winter/early spring when storm activity created high eroding velocities in the tributary streams flowing into Putah Creek. SCWA aimed to minimize ongoing PSC service disruptions to its customers created by the vegetative and sediment loading. The canal cleaning operations at the time were expensive, time consuming and unable to efficiently remove all residual sediment and vegetation debris. To mitigate these problems, SCWA developed a program that replaced the trash removal facilities with an automatic screening system, which more efficiently and effectively removed vegetative plant fragments and seeds that pass through the PSC Headworks into the PSC. The project was completed in fiscal year (FY) 2016.

## 2.2.2 PSC Cement Hill Bypass

Suisun-Solano Water Authority proposed a new Cement Hill Pipeline to provide redundancy by installing a second pipeline from the Cement Hill Water Treatment Plant (CHWTP) to two 2-million-gallon water storage tanks on Cement Hill. The intent of the project was to enhance the operation of the CHWTP by turning the tanks into flow-through clear well storage for filtered water to improve the CHWTP reliability and regulatory compliance. The project included a design to update the connection to the tank with an above-ground manifold, double-ball flexible expansion joints, motor-operated valves, and chlorine sampling points. The new parallel pipeline consists of 2,990-feet of buried Polyvinyl chloride (PVC) piping and 60-feet of steel piping as an aerial crossing of the PSC. The project was completed in FY2002.

## 2.3 Proposed Projects

SCWA and SID staff completed an assessment of the condition and needs of the Solano Project infrastructure. The proposed projects may range from rehabilitation and new build projects to supporting studies and are identified by facility location (Monticello Dam, PDD, Putah Diversion Office (PDO), PSC, and Terminal Reservoir). As shown in **Figure 2**, each facility location is further identified by the number of projects located at the said facility along with the number of the projects proposed by priority. The inner ring of identifiers are the total number of projects by location and the outer ring of identifiers allocate the number of projects by their priority by location (critical, high, medium, and low).



**Figure 2. Summary of Rehabilitation and Betterment Projects on the Solano Project**

In summary, there are a total of 60 projects proposed over the next 10 fiscal years and 10 proposed for FY 2024/2025 as approved in the recently adopted FY2025 budget. Projects classified as critical and high priority are generally identified within FY2025 through FY2029, while those classified as medium and low priority are typically identified within FY2030 through FY2034. For more information on fiscal year impacts and project specifics, reference the project sheets found in **Appendices A-H**. **Appendix A** provides an overview of projects identified annually from FY2025 through FY2029, 5-year CIP. **Appendix B** provides an overview of projects identified annually from FY2030 through FY2034, long-term CIP. Projects listed in **Appendix A** and **Appendix B** may be repeated, as their budgets are distributed across different fiscal years due to their multi-year duration. **Appendix C** provides an overview of projects by fiscal year and facility. It is anticipated that on average \$1.2 million will be spent annually to implement the projects identified in this Plan. Please note that the anticipated project costs are subject to change, and estimates for future projects are provisional and will likely need to be updated. For some projects, costs depend on ongoing assessments and design work. As a result, the overall annual fiscal budgets will likely require updates.

### 2.3.1 Monticello Dam

Lake Berryessa was formed with the construction of Monticello Dam in 1957. Monticello dam is a concrete, medium-thick arch structure with a height of 304 feet above the foundation and a crest length of 1,023 feet. Monticello Dam is on Putah Creek on the eastern boundary of Napa County where it regulates flows along the lower reaches of Putah Creek and stores excess water. Monticello Dam houses a powerplant built in 1983. The projects identified in the Plan for Monticello Dam include feasibility studies, improvements, restoration, and upgrades to the aging infrastructure.

**Appendix D** provides a description of the projected rehabilitation and betterment projects for Monticello Dam. The project name, priority, SCWA Strategic Plan goal(s), justification, description, project cost, and timeline are provided for the ten (10) projects identified.

### 2.3.2 Putah Diversion Dam

The PDD was completed in 1957. The PDD is located on Putah Creek about six (6) miles south of Monticello Dam. The PDD transfers water into the PSC and creates Lake Solano. The PDD is a concrete weir structure with an earth fill embankment wing, 29-foot high and has a crest length of 910-feet. The projects identified in the Plan for the PDD include improvements, upgrades, feasibility studies, and repairs.

**Appendix E** provides a description of the rehabilitation and betterment projects for the PDD. The project name, priority, SCWA Strategic Plan goal(s), justification, description, project cost, and timeline are provided for the six (6) projects identified.

### 2.3.3 Putah South Canal

The PSC was constructed as a part of the Solano Project by Reclamation for the conveyance of water to the agricultural and urban member agencies of SCWA. SID operates the PSC under contract with SCWA for the benefit of the Member Agencies. From the PSC the average annual deliveries are approximately 200,000-acre feet. The PSC consists of twelve (12) radial gate check structures which are used to control the flow in the canal throughout its 33-mile-long system. The

projects identified in this Plan for the PSC include land acquisition, automation upgrades, road maintenance to facilities, infrastructure upgrades, feasibility studies, vegetation management, drainage improvements, infrastructure expansion, and repairs.

**Appendix F** provides a description of the rehabilitation and betterment projects for the PSC. The project name, priority, SCWA Strategic Plan goal(s), justification, description, project cost, and timeline are provided for the thirty-six (36) projects identified.

### 2.3.4 Putah Diversion Office

The PDO is located adjacent to the PSC headworks, near Winters. The PDO serves as the administrative headquarters for Solano Project operations and maintenance staff. It currently serves as a combination office, shop, and storage facility. The PDO needs significant refurbishment for continued safe use. The projects identified in the Plan for the PDO include site improvements and water quality improvements.

**Appendix G** provides a description of the rehabilitation and betterment projects for the PDO. The project name, priority, SCWA Strategic Plan goal(s), justification, description, project cost, and timeline are provided for the five (5) projects identified.

### 2.3.5 Terminal Reservoir

Terminal Reservoir is located in Green Valley at the end of Reservoir Lane, near the western side the City of Fairfield city limits. This reservoir services water delivery to the City of Benecia and the City Vallejo. The projects identified in the Plan for Terminal Reservoir include vegetation management and road improvements.

**Appendix H** provides a description of the rehabilitation and betterment projects for Terminal Reservoir. The project name, priority, SCWA Strategic Plan goal(s), justification, description, project cost, and timeline are provided for the three (3) projects identified.

# Appendix A. 5-Year CIP

FY 25 through FY 29  
**Capital Improvement Plan**  
Solano County Water Agency  
**Projects By Category**

Category	Project #	FY 25	FY 26	FY 27	FY 28	FY 29	Total
<b>Monticello Dam</b>							
Electrical Line Updates	SP-MD01			10,000	150,000		160,000
Metalworks Coating	SP-MD02				175,000		175,000
Emergency Spillway Evaluation	SP-MD03					200,000	200,000
<b>Monticello Dam Total</b>		<b>0</b>	<b>0</b>	<b>10,000</b>	<b>325,000</b>	<b>200,000</b>	<b>535,000</b>
<b>Putah Diversion Dam</b>							
Roadway and Drainage Improvements	SP-PDD01	75,000	200,000				275,000
Radial Gate Rehabilitation and Modernization	SP-PDD02	125,000	200,000	200,000	200,000	200,000	925,000
Surveillance Implementation	SP-PDD03	200,000					200,000
Retaining Wall Improvements	SP-PDD04					150,000	150,000
<b>Putah Diversion Dam Total</b>		<b>400,000</b>	<b>400,000</b>	<b>200,000</b>	<b>200,000</b>	<b>350,000</b>	<b>1,550,000</b>
<b>Putah Diversion Office</b>							
Water Quality Assessment	SP-PDO01			80,000			80,000
Fence Installation	SP-PDO02				100,000		100,000
<b>Putah Diversion Office Total</b>		<b>0</b>	<b>0</b>	<b>80,000</b>	<b>100,000</b>	<b>0</b>	<b>180,000</b>
<b>Putah South Canal</b>							
Electrical Upgrades	SP-PSC01	25,000	150,000				175,000
Cement Hill Pipeline	SP-PSC02	125,000	125,000				250,000
Automated Fence Gate Upgrades	SP-PSC03	25,000	25,000	25,000			75,000
Union Check Electrical Connection Improvements	SP-PSC04	100,000					100,000
Access Road Improvements	SP-PSC05	25,000	75,000	300,000			400,000
Automation Updates	SP-PSC06	90,000	150,000	150,000			390,000
GIS Database Development	SP-PSC07		150,000				150,000
McCoy Panel Repair	SP-PSC08		75,000				75,000
Computerized Maintenance Management System	SP-PSC09			200,000			200,000
Pipeline Conversion	SP-PSC10			125,000	125,000		250,000

<b>Category</b>	<b>Project #</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>Total</b>
Seismic Assessment	SP-PSC11			150,000			<b>150,000</b>
Guard Rail Improvements	SP-PSC12				100,000		<b>100,000</b>
Seepage Improvements	SP-PSC13				75,000	250,000	<b>325,000</b>
Radial Gate Rehabilitation and Modernization	SP-PSC14				150,000	150,000	<b>300,000</b>
Union Check Gate Optimization	SP-PSC15				20,000	70,000	<b>90,000</b>
Elmira Road Drainage Improvements	SP-PSC16					300,000	<b>300,000</b>
Green Valley Wasteway Upgrades	SP-PSC17					20,000	<b>20,000</b>
Water Loss Study	SP-PSC18					60,000	<b>60,000</b>
<b>Putah South Canal Total</b>		<b>390,000</b>	<b>750,000</b>	<b>950,000</b>	<b>470,000</b>	<b>850,000</b>	<b>3,410,000</b>

**Terminal Reservoir**

Reservoir Lane Improvements	SP-TR01	50,000	20,000				<b>70,000</b>
<b>Terminal Reservoir Total</b>		<b>50,000</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

<b>GRAND TOTAL</b>	<b>840,000</b>	<b>1,170,000</b>	<b>1,240,000</b>	<b>1,095,000</b>	<b>1,400,000</b>	<b>5,745,000</b>
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# Appendix B. Long-term CIP

FY 30 through FY 34  
**Capital Improvement Plan**  
Solano County Water Agency  
**Projects By Category**

Category	Project #	FY 30	FY 31	FY 32	FY 33	FY 34	Total
<b>Monticello Dam</b>							
Drainage Improvements	SP-MD04	250,000					250,000
Access Road Improvements	SP-MD05	180,000					180,000
Parapet Wall Improvements	SP-MD06	50,000	100,000				150,000
Gantry Crane Enhancement	SP-MD07		100,000				100,000
Flow Measurement Improvements	SP-MD08				50,000		50,000
Flow Measurement Improvements	SP-MD09					50,000	50,000
Dam Assessment	SP-MD10					100,000	100,000
<b>Monticello Dam Total</b>		<b>480,000</b>	<b>200,000</b>	<b>0</b>	<b>50,000</b>	<b>150,000</b>	<b>880,000</b>
<b>Putah Diversion Dam</b>							
Radial Gate Rehabilitation and Modernization	SP-PDD02	200,000					200,000
Soft Plug Assessment	SP-PDD05	50,000					50,000
Alternative Energy Assessment	SP-PDD06					50,000	50,000
<b>Putah Diversion Dam Total</b>		<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>300,000</b>
<b>Putah Diversion Office</b>							
Admin Building Expansion	SP-PDO03	100,000	250,000				350,000
Solar Array Installations	SP-PDO04		70,000	250,000			320,000
Staging Area for Equipment Storage	SP-PDO05					80,000	80,000
<b>Putah Diversion Office Total</b>		<b>100,000</b>	<b>320,000</b>	<b>250,000</b>	<b>0</b>	<b>80,000</b>	<b>750,000</b>
<b>Putah South Canal</b>							
Green Valley Wasteway Upgrades	SP-PSC17	60,000					60,000
Liner Assessment	SP-PSC19	50,000					50,000
Vegetation Boom Removal	SP-PSC20		50,000				50,000
Rockville Radial Gate Upgrades	SP-PSC21		70,000				70,000
Gravel and Mulch (Inner-Outer Banks) Management	SP-PSC22		140,000				140,000
Manhole Assessment	SP-PSC23		60,000	250,000			310,000

<b>Category</b>	<b>Project #</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Wasteway Gate Rehabilitation	SP-PSC24	110,000					<b>110,000</b>
Regulating Reservoir	SP-PSC25	200,000					<b>200,000</b>
Sediment Trap Installation	SP-PSC26			100,000			<b>100,000</b>
Screen Cleaner Installation	SP-PSC27			130,000			<b>130,000</b>
Operations Road Improvement	SP-PSC28			150,000			<b>150,000</b>
Siphon Assessment	SP-PSC29			150,000			<b>150,000</b>
Van Every Check Upgrade	SP-PSC30			150,000			<b>150,000</b>
Pleasant Creek Overchute Upgrades	SP-PSC31				50,000	100,000	<b>150,000</b>
Fencing Improvements	SP-PSC32				250,000	250,000	<b>500,000</b>
Terminal Check Upgrades	SP-PSC33				50,000		<b>50,000</b>
Storage Yard Development	SP-PSC34				20,000	100,000	<b>120,000</b>
Infrastructure Sign Upgrades	SP-PSC35				80,000		<b>80,000</b>
Additional Right of Way	SP-PSC36					300,000	<b>300,000</b>
<b>Putah South Canal Total</b>		<b>110,000</b>	<b>630,000</b>	<b>930,000</b>	<b>450,000</b>	<b>750,000</b>	<b>2,870,000</b>

#### **Terminal Reservoir**

Operation Road Improvements	SP-TR02	550,000					<b>550,000</b>
Reservoir Cleanout	SP-TR03				1,000,000		<b>1,000,000</b>
<b>Terminal Reservoir Total</b>		<b>550,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>1,550,000</b>

<b>GRAND TOTAL</b>	<b>1,490,000</b>	<b>1,150,000</b>	<b>1,180,000</b>	<b>1,500,000</b>	<b>1,030,000</b>	<b>6,350,000</b>
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# **Appendix C: Projects by Fiscal Year and Facility**

FY 25 through FY 34  
**Capital Improvement Plan**  
Solano County Water Agency  
**Projects By Year**

Project Name	Department	Project #	Project Cost
<b>FY 25</b>			
Roadway and Drainage Improvements	<i>Solano Project</i>	SP-PDD01	<b>75,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>125,000</b>
Surveillance Implementation	<i>Solano Project</i>	SP-PDD03	<b>200,000</b>
Electrical Upgrades	<i>Solano Project</i>	SP-PSC01	<b>25,000</b>
Cement Hill Pipeline	<i>Solano Project</i>	SP-PSC02	<b>125,000</b>
Automated Fence Gate Upgrades	<i>Solano Project</i>	SP-PSC03	<b>25,000</b>
Union Check Electrical Connection Improvements	<i>Solano Project</i>	SP-PSC04	<b>100,000</b>
Access Road Improvements	<i>Solano Project</i>	SP-PSC05	<b>25,000</b>
Automation Updates	<i>Solano Project</i>	SP-PSC06	<b>90,000</b>
Reservoir Lane Improvements	<i>Solano Project</i>	SP-TR01	<b>50,000</b>
<b>Total for FY 25</b>			<b>840,000</b>
<b>FY 26</b>			
Roadway and Drainage Improvements	<i>Solano Project</i>	SP-PDD01	<b>200,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>200,000</b>
Electrical Upgrades	<i>Solano Project</i>	SP-PSC01	<b>150,000</b>
Cement Hill Pipeline	<i>Solano Project</i>	SP-PSC02	<b>125,000</b>
Automated Fence Gate Upgrades	<i>Solano Project</i>	SP-PSC03	<b>25,000</b>
Access Road Improvements	<i>Solano Project</i>	SP-PSC05	<b>75,000</b>
Automation Updates	<i>Solano Project</i>	SP-PSC06	<b>150,000</b>
GIS Database Development	<i>Solano Project</i>	SP-PSC07	<b>150,000</b>
McCoy Panel Repair	<i>Solano Project</i>	SP-PSC08	<b>75,000</b>
Reservoir Lane Improvements	<i>Solano Project</i>	SP-TR01	<b>20,000</b>
<b>Total for FY 26</b>			<b>1,170,000</b>

<b>Project Name</b>	<b>Department</b>	<b>Project #</b>	<b>Project Cost</b>
<b>FY 27</b>			
Electrical Line Updates	<i>Solano Project</i>	SP-MD01	<b>10,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>200,000</b>
Water Quality Assessment	<i>Solano Project</i>	SP-PDO01	<b>80,000</b>
Automated Fence Gate Upgrades	<i>Solano Project</i>	SP-PSC03	<b>25,000</b>
Access Road Improvements	<i>Solano Project</i>	SP-PSC05	<b>300,000</b>
Automation Updates	<i>Solano Project</i>	SP-PSC06	<b>150,000</b>
Computerized Maintenance Management System	<i>Solano Project</i>	SP-PSC09	<b>200,000</b>
Pipeline Conversion	<i>Solano Project</i>	SP-PSC10	<b>125,000</b>
Seismic Assessment	<i>Solano Project</i>	SP-PSC11	<b>150,000</b>
<b>Total for FY 27</b>			<b>1,240,000</b>

<b>FY 28</b>			
Electrical Line Updates	<i>Solano Project</i>	SP-MD01	<b>150,000</b>
Metalworks Coating	<i>Solano Project</i>	SP-MD02	<b>175,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>200,000</b>
Fence Installation	<i>Solano Project</i>	SP-PDO02	<b>100,000</b>
Pipeline Conversion	<i>Solano Project</i>	SP-PSC10	<b>125,000</b>
Guard Rail Improvements	<i>Solano Project</i>	SP-PSC12	<b>100,000</b>
Seepage Improvements	<i>Solano Project</i>	SP-PSC13	<b>75,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PSC14	<b>150,000</b>
Union Check Gate Optimization	<i>Solano Project</i>	SP-PSC15	<b>20,000</b>
<b>Total for FY 28</b>			<b>1,095,000</b>

<b>Project Name</b>	<b>Department</b>	<b>Project #</b>	<b>Project Cost</b>
<b>FY 29</b>			
Emergency Spillway Evaluation	<i>Solano Project</i>	SP-MD03	<b>200,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>200,000</b>
Retaining Wall Improvements	<i>Solano Project</i>	SP-PDD04	<b>150,000</b>
Seepage Improvements	<i>Solano Project</i>	SP-PSC13	<b>250,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PSC14	<b>150,000</b>
Union Check Gate Optimization	<i>Solano Project</i>	SP-PSC15	<b>70,000</b>
Elmira Road Drainage Improvements	<i>Solano Project</i>	SP-PSC16	<b>300,000</b>
Green Valley Wasteway Upgrades	<i>Solano Project</i>	SP-PSC17	<b>20,000</b>
Water Loss Study	<i>Solano Project</i>	SP-PSC18	<b>60,000</b>
<b>Total for FY 29</b>			<b>1,400,000</b>

<b>FY 30</b>			
Drainage Improvements	<i>Solano Project</i>	SP-MD04	<b>250,000</b>
Access Road Improvements	<i>Solano Project</i>	SP-MD05	<b>180,000</b>
Parapet Wall Improvements	<i>Solano Project</i>	SP-MD06	<b>50,000</b>
Radial Gate Rehabilitation and Modernization	<i>Solano Project</i>	SP-PDD02	<b>200,000</b>
Soft Plug Assessment	<i>Solano Project</i>	SP-PDD05	<b>50,000</b>
Admin Building Expansion	<i>Solano Project</i>	SP-PDO03	<b>100,000</b>
Green Valley Wasteway Upgrades	<i>Solano Project</i>	SP-PSC17	<b>60,000</b>
Liner Assessment	<i>Solano Project</i>	SP-PSC19	<b>50,000</b>
Operation Road Improvements	<i>Solano Project</i>	SP-TR02	<b>550,000</b>
<b>Total for FY 30</b>			<b>1,490,000</b>

<b>Project Name</b>	<b>Department</b>	<b>Project #</b>	<b>Project Cost</b>
<b>FY 31</b>			
Parapet Wall Improvements	<i>Solano Project</i>	SP-MD06	<b>100,000</b>
Gantry Crane Enhancement	<i>Solano Project</i>	SP-MD07	<b>100,000</b>
Admin Building Expansion	<i>Solano Project</i>	SP-PDO03	<b>250,000</b>
Solar Array Installations	<i>Solano Project</i>	SP-PDO04	<b>70,000</b>
Vegetation Boom Removal	<i>Solano Project</i>	SP-PSC20	<b>50,000</b>
Rockville Radial Gate Upgrades	<i>Solano Project</i>	SP-PSC21	<b>70,000</b>
Gravel and Mulch (Inner-Outer Banks) Management	<i>Solano Project</i>	SP-PSC22	<b>140,000</b>
Manhole Assessment	<i>Solano Project</i>	SP-PSC23	<b>60,000</b>
Wasteway Gate Rehabilitation	<i>Solano Project</i>	SP-PSC24	<b>110,000</b>
Regulating Reservoir	<i>Solano Project</i>	SP-PSC25	<b>200,000</b>
<b>Total for FY 31</b>			<b>1,150,000</b>

<b>FY 32</b>			
Solar Array Installations	<i>Solano Project</i>	SP-PDO04	<b>250,000</b>
Manhole Assessment	<i>Solano Project</i>	SP-PSC23	<b>250,000</b>
Sediment Trap Installation	<i>Solano Project</i>	SP-PSC26	<b>100,000</b>
Screen Cleaner Installation	<i>Solano Project</i>	SP-PSC27	<b>130,000</b>
Operations Road Improvement	<i>Solano Project</i>	SP-PSC28	<b>150,000</b>
Siphon Assessment	<i>Solano Project</i>	SP-PSC29	<b>150,000</b>
Van Every Check Upgrade	<i>Solano Project</i>	SP-PSC30	<b>150,000</b>
<b>Total for FY 32</b>			<b>1,180,000</b>

<b>FY 33</b>			
Flow Measurement Improvements	<i>Solano Project</i>	SP-MD08	<b>50,000</b>
Pleasant Creek Overchute Upgrades	<i>Solano Project</i>	SP-PSC31	<b>50,000</b>
Fencing Improvements	<i>Solano Project</i>	SP-PSC32	<b>250,000</b>
Terminal Check Upgrades	<i>Solano Project</i>	SP-PSC33	<b>50,000</b>
Storage Yard Development	<i>Solano Project</i>	SP-PSC34	<b>20,000</b>
Infrastructure Sign Upgrades	<i>Solano Project</i>	SP-PSC35	<b>80,000</b>
Reservoir Cleanout	<i>Solano Project</i>	SP-TR03	<b>1,000,000</b>
<b>Total for FY 33</b>			<b>1,500,000</b>

<b>Project Name</b>	<b>Department</b>	<b>Project #</b>	<b>Project Cost</b>
<b>FY 34</b>			
Flow Measurement Improvements	<i>Solano Project</i>	SP-MD09	<b>50,000</b>
Dam Assessment	<i>Solano Project</i>	SP-MD10	<b>100,000</b>
Alternative Energy Assessment	<i>Solano Project</i>	SP-PDD06	<b>50,000</b>
Staging Area for Equipment Storage	<i>Solano Project</i>	SP-PDO05	<b>80,000</b>
Pleasant Creek Overchute Upgrades	<i>Solano Project</i>	SP-PSC31	<b>100,000</b>
Fencing Improvements	<i>Solano Project</i>	SP-PSC32	<b>250,000</b>
Storage Yard Development	<i>Solano Project</i>	SP-PSC34	<b>100,000</b>
Additional Right of Way	<i>Solano Project</i>	SP-PSC36	<b>300,000</b>
		<b>Total for FY 34</b>	<b>1,030,000</b>
		<b>GRAND TOTAL</b>	<b>12,095,000</b>

# Appendix D: Monticello Dam

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD01  
 Project Name Electrical Line Updates

Total Project Cost	\$160,000	Department	Solano Project
Type	Rehabilitation	Category	Monticello Dam
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Trace electrical lines downstream of Monticello Dam to determine what is abandoned. Unused lines can be marked and removed, and old and outdated lines can be updated to modern standards.

### Justification

Identifies and documents active electrical lines, preventing potential electrical fires.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	150,000	0	0	0	0	0	0	150,000
Planning	0	0	10,000	0	0	0	0	0	0	0	10,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>10,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	10,000	150,000	0	0	0	0	0	0	160,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>10,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>160,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD02  
 Project Name Metalworks Coating

Total Project Cost	\$175,000	Department	Solano Project
Type	Rehabilitation	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

The structural metalworks around the powerhouse and outlet require a layer of anti-corrosive coating. The metal is under a constant barrage of moisture from the outflow of Monticello Dam, and as such is prone to rusting. Therefore the need of a protective coating of polymer/graphene nanocomposites or an electroplated inert metal layer such as zinc is required to prevent corrosion damage. When applied correctly, these bonded substances form an impenetrable shield over the corrodible metal, preventing any free electrons from binding with oxygen or other substances in the air or water which can form an oxide.

### Justification

Increases the durability and extends the lifespan of the aging infrastructure.

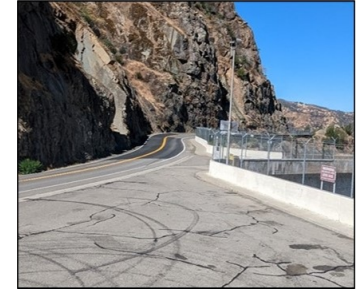
<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	175,000	0	0	0	0	0	0	175,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	175,000	0	0	0	0	0	0	175,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-MD03  
**Project Name** Emergency Spillway Evaluation

**Total Project Cost** \$200,000  
**Type** Study  
**Priority** High  
**Strategic Plan Goals** G2. Water Management Infrastructure G3. Flood Management

**Department** Solano Project  
**Category** Monticello Dam  
**Status** Pending

### Description

Conduct feasibility study on emergency spillway use for Monticello Dam. Highway 128 serves as the potential emergency spillway in an event where the glory hole is inadequate to release rainfall volumes or has failed completely (e.g., jammed). The main purpose of the spillway is to prevent water from overtopping the dam, which could put unwanted stress on the lip and could likely damage the powerhouse and/or other appurtenances depending on the severity of overtopping.

The roadway and underlying cliff face are to be inspected to determine if any critical erosion or failure points exist in the event the emergency spillway were to be used. Large amounts of water will be running down Highway 128 and may cause culverts and embankments to fail if inadequately designed. The low point of the spillway shall be identified, assessed and determination of its resilience shall be further defined. The feasibility study will attempt to answer the following questions: At what location will the water exit the reservoir and enter the roadway in the event of an emergency overflow situation? Does the existing configuration and use of the existing roadway remain a viable and adequate alternative to handle the expected volume of water in a safe and reliable manner?

### Justification

Contingency planning and protects the structural integrity of the Monticello Dam.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	200,000	0	0	0	0	0	200,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	200,000	0	0	0	0	0	200,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD04  
 Project Name Drainage Improvements

Total Project Cost	\$250,000	Department	Solano Project
Type	New Build	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

The culvert off Highway 128 at the dam crest drains over the dam-bedrock interface. This should be rerouted away from the dam face to prevent erosion along the downstream groin. The connection between the dam and bedrock is key for transferring the reservoir’s active load to the surrounding landscape and is a critical component to maintain. The groin is susceptible to erosion and wear due to its exposure and tendency to collect water from the dam face. The culvert off Highway 128 contributes unnecessary runoff from its drainage basin, consisting mostly of impermeable pavement surfaces and steep canyon walls. This drain can be redirected further away from the concrete face, so it is not contributing to erosion along the groin.

### Justification

Maintains the structural integrity of Monticello Dam by preventing water-related damage.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	200,000	0	0	0	0	<b>200,000</b>
Design	0	0	0	0	0	50,000	0	0	0	0	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	250,000	0	0	0	0	<b>250,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD05  
 Project Name Access Road Improvements

Total Project Cost	\$180,000	Department	Solano Project
Type	Rehabilitation	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Prepare and establish a permanent maintenance plan. The access road was last treated in 2013. The scope of work will include an assessment of the access road to Monticello Dam and proposed treatment. This half mile long road borders Putah Creek and the upper section of the RV Resort. Proper assessment will determine type of permanent repair required. A new seal is typically applied between 5 to 7 years of service. Potholes, wash boarding, and erosional damage all contribute to drivability and can necessitate the need for more extensive treatment.

### Justification

Extend the pavement life of the access road to Monticello Dam. Maintenance treatments prevent deterioration of the asphalt surface from the effects of aging and oxidation due to water and sun. Provide long-term reliable access to Monticello Dam.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	150,000	0	0	0	0	<b>150,000</b>
Design	0	0	0	0	0	30,000	0	0	0	0	<b>30,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	180,000	0	0	0	0	<b>180,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD06  
 Project Name Parapet Wall Improvements

Total Project Cost	\$150,000	Department	Solano Project
Type	Rehabilitation	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

The Parapet wall is a waist high wall that runs along the top of the dam and along the highway. Its primary purpose is to direct water during an emergency spill, to avoid overtopping of any water at the face of the dam. A section of wall on the right bank is damaged with exposed rebar. This section of the parapet wall requires repair to avoid any further damage or integrity to the system. Project involves identifying which agency is responsible for maintenance and completion of the said project.

### Justification

Maintain and protect the structural integrity of Monticello Dam.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	100,000	0	0	0	<b>100,000</b>
Planning	0	0	0	0	0	50,000	0	0	0	0	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	50,000	100,000	0	0	0	<b>150,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD07  
 Project Name Gantry Crane Enhancement

Total Project Cost	\$100,000	Department	Solano Project
Type	Rehabilitation	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

The Gantry Crane is used to raise or lower bulkheads for the penstocks (pipes servicing water from the reservoir to the turbines) through Monticello Dam. The crane must be moved manually to either the left or right gate before it is locked in place and can begin lifting. A very tedious and awkward process, the maintenance crew must pull and push the heavy metal structure and motor over rough concrete using small radius metal wheels. The tracks must be thoroughly cleaned beforehand, as rocks and other small debris can halt motion easily. This project aims to install electric pulley motors to the crane structure, aiding operators in relocating the crane horizontally.

### Justification

Improve Monticello Dam operations, increase safety and protect the well-being of staff operating the Gantry Crane.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	100,000	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	100,000	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project #	SP-MD08
Project Name	Flow Measurement Improvements
<hr/>	
Total Project Cost	\$50,000
Type	Rehabilitation
Priority	Med
Strategic Plan Goals	G1. Water Supply Management G6. Data Management

Department	Solano Project
Category	Monticello Dam
Status	Pending

### Description

Investigate existing conditions and determine viable alternatives to measure flow through Monticello Dam/Powerhouse (draft tubes) and/or identify a stream gauge location closer to the dam that is unaffected by tributaries and/or backflow/eddies. Measuring accurate flow rates into Putah Creek is essential to maintain required head levels at Putah Diversion Dam (PDD). Measuring flow through a large water control structure such as Monticello Dam has operational and safety challenges.

### Justification

Obtain accurate flow readings into Putah Creek to maintain the required head levels at PDD for diversion needs.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	0	0	0	0	50,000	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	50,000	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-MD09  
**Project Name** Flow Measurement Improvements

<b>Total Project Cost</b>	\$50,000	<b>Department</b>	Solano Project
<b>Type</b>	Study	<b>Category</b>	Monticello Dam
<b>Priority</b>	Med	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G1. Water Supply Management G6. Data Management		

### Description

Monitor and record real-time tailwater conditions downstream of Monticello Dam, for U.S. Bureau of Reclamation (Reclamation) reports. Reclamation maintains real-time downstream tailwater quality reports to track any changes in water quality caused by reservoir or dam operations. This outflow is the water quality baseline for aquatic ecosystems downstream, which makes it imperative to know if the quality is changing from year to year.

### Justification

To improve data collection downstream of Monticello Dam and assist in the management of water quality within the Solano Project.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	0	0	0	0	0	50,000	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	0	50,000	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-MD10  
 Project Name Dam Assessment

Total Project Cost	\$100,000	Department	Solano Project
Type	Study	Category	Monticello Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Inspecting for cracks and other imperfections on the dam face and other exposed concrete can be automated with the use of drone surveying. Using photogrammetry in conjunction with a Real-Time Kinematic (RTK) survey can produce high resolution 3D photo scans providing the ability to complete a virtual assessment and identify imperfections. This technology may be used to map existing cracks, track changes in size and/or identify if there are intrusions such as vegetation growing into the concrete. Utilizing drone surveys provide a more accurate representation of the dam face than traditional sighting methods with binoculars.

### Justification

Monitor and protect the structural integrity of Monticello Dam.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	0	0	0	0	0	100,000	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	0	100,000	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>100,000</b>

# Appendix E: Putah Diversion Dam

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDD01  
 Project Name Roadway and Drainage Improvements

Total Project Cost	\$275,000	Department	Solano Project
Type	Rehabilitation	Category	Putah Diversion Dam
Priority	High	Status	In Process
Strategic Plan Goals	G2. Water Management Infrastructure G3. Flood Management		

### Description

Design and construct roadway and drainage improvements to the eastern access road located at the Putah Diversion Dam (PDD). The eastern access road acts as the main entry-point at PDD for operators and staff. Scope of work includes installing a retaining wall on the hillside to redirect drainage to the existing drain inlet, re-construction of the V-drain, that runs alongside the road, and portion of the pavement that was not covered in Phase 1 will be reconstructed with reinforced concrete. Project will also include relocating the Propane Tank and concrete pad due to the existing vicinity being too close to the PDD Generator (e.g., an ignition/electrical source).

### Justification

Mitigates drainage issues and reduces fire risk. The access road is built on a compacted soil base that is prone to expansion when introduced to moisture. Localized swelling of soil underneath the roadway can cause cracks or potholes to appear on the surface. A proper drain along the road will help prevent moisture from seeping into the base soil and causing this to happen.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	200,000	0	0	0	0	0	0	0	0	<b>200,000</b>
Design	75,000	0	0	0	0	0	0	0	0	0	<b>75,000</b>
<b>Total</b>	<b>75,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>275,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	75,000	200,000	0	0	0	0	0	0	0	0	<b>275,000</b>
<b>Total</b>	<b>75,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>275,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PDD02  
**Project Name** Radial Gate Rehabilitation and Modernization

<b>Total Project Cost</b>	\$1,125,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah Diversion Dam
<b>Priority</b>	High	<b>Status</b>	In Process
<b>Strategic Plan Goals</b>	G2. Water Management Infrastructure		

### Description

Refurbish and modernize the telemetry to the twelve (12) radial flood gates at the Putah Diversion Dam (PDD). The plan is to address two gates a year over six (6) years. The PDD forms Lake Solano which is the primary point of diversion into the Putah South Canal for agricultural and municipal use in Solano County, as well as regulating downstream flow to Lower Putah Creek. The radial gates seals are leaking, the coating is cracking, and some corrosion has occurred. The project will accomplish the following objectives.

- Assess and determine the existing conditions, repair corrosion and any additional damage to the twelve (12) radial flood gates.
- Inspect trunnion pins for internal corrosion and lubrication.
- Remediate and/or replace all corroded steel on all twelve (12) radial flood gates.
- Recoat all twelve (12) radial flood gates.
- Remove and replace all rubber seals along the sides and bottom of the flood gates.
- Install new gate sensors to measure gate openings for all twelve (12) radial flood gates.
- Install and deploy the floating bulkhead for each gate location.

### Justification

Extends the lifetime of the aging infrastructure. Reduces the risk of catastrophic failures.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	125,000	200,000	200,000	200,000	200,000	200,000	0	0	0	0	<b>1,125,000</b>
<b>Total</b>	<b>125,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,125,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	125,000	200,000	200,000	200,000	200,000	200,000	0	0	0	0	<b>1,125,000</b>
<b>Total</b>	<b>125,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,125,000</b>

# Capital Improvement Plan

## Solano County Water Agency

Project # SP-PDD03  
 Project Name Surveillance Implementation

Total Project Cost	\$200,000	Department	Solano Project
Type	New Build	Category	Putah Diversion Dam
Priority	High	Status	In Process
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

This project involves the installation of surveillance cameras to enhance security. The new camera system will be strategically placed to cover critical areas. This system will help deter unauthorized access and potential vandalism, ensuring the safety and integrity of the facility's operations. Surveillance cameras will be installed at the Putah Diversion Dam and Putah Diversion Office, the budget covers the installation and equipment at both facilities.

### Justification

The installation of surveillance cameras will enhance security and operational oversight. Both facilities currently lack adequate monitoring, which can lead to security breaches, unauthorized access, and potential vandalism.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	200,000	0	0	0	0	0	0	0	0	0	200,000
<b>Total</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	200,000	0	0	0	0	0	0	0	0	0	200,000
<b>Total</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDD04  
 Project Name Retaining Wall Improvements

Total Project Cost	\$150,000	Department	Solano Project
Type	Rehabilitation	Category	Putah Diversion Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Assess and replace existing rubber seals in the wall joints on the North Side Abutment of the Putah Diversion Dam (PDD). The retaining wall on the North Side Abutment is composed of individual concrete slabs inter-connected with rubber seals to prevent water from seeping in. Replacement of the original rubber seals may be challenging as they were embedded in the concrete during construction. The scope of work will include determining the viability of alternative secondary seals such as Injection Hose Systems or Swelling Seal Gaskets which may be possible to retro-install with existing seals in place.

### Justification

Protects the structural integrity of the PDD. Seal replacement prevents water intrusion which can lead to cracking and infrastructure deterioration. The original seals are nearing 65 years of age, well beyond their intended lifespan. The inherent passive nature of these seals may extend this, as they are not being subjected to repeated physical deformation or friction like radial gate seals are. Exposure to damaging elements is limited as well, with almost no UV sunlight penetrating the gap and a very consistent water level that lacks pollutants and other degrading chemicals.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	150,000	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	150,000	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDD05  
 Project Name Soft Plug Assessment

Total Project Cost	\$50,000	Department	Solano Project
Type	Study	Category	Putah Diversion Dam
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Review and assess the existing condition of the soft plug and determine if any modifications and/or improvements are warranted. The soft plug, also known as a fuse plug, acts as the emergency spillway of Putah Diversion Dam (PDD). It is designed to blow out if flood waters begin to exceed acceptable operating levels at the gates. This will prevent water from overtopping the dam and prevent damage to the infrastructure by keeping unwanted debris and floodwater out of Putah South Canal. Potential options to improve the spillway include installing riprap below the dedicated break section to prevent excess erosion during a spill. If the plug does breach, a large section of earthwork will be removed and majority of water held within the reservoir will pass through. This will cause a localized hotspot for erosion that is hard to control. Installing riprap downstream will likely prevent damage to the grade during an emergency spill.

### Justification

Contingency planning to protect the long-term use of the PDD.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Design	0	0	0	0	0	50,000	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	50,000	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDD06  
 Project Name Alternative Energy Assessment

Total Project Cost	\$50,000	Department	Solano Project
Type	Study	Category	Putah Diversion Dam
Priority	Low	Status	Pending

### Description

Conduct a feasibility study for the installation of a small hydroelectric turbine to support Putah Creek releases and construction of a solar field to support the Solano Project. Some queries for the study may include:

- Determine the amount of power to be produced and the time in which the cost of installation and maintenance may be recovered.
- Determine the power the hydro turbine may produce with the observed head difference? Is it feasible?
- Identify viable locations with good sunlight and connectivity for an array of solar panels and available land in the vicinity of the Solano Project.
- Is the lifespan of these alternative energy options acceptable for the cost offset they provide?
- What is the reliability rate on turbines and solar, and what is the expected maintenance?
- What infrastructure needs to be modified/installed before construction begins?

### Justification

Determine if alternative energy is cost effective and reliable for portions of the Solano Project.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Planning	0	0	0	0	0	0	0	0	0	50,000	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	0	0	0	0	50,000	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>50,000</b>

# Appendix F. Putah South Canal

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC01  
 Project Name Electrical Upgrades

Total Project Cost \$175,000  
 Type Rehabilitation  
 Priority Critical  
 Strategic Plan Goals G2. Water Management Infrastructure G6. Data Management

Department Solano Project  
 Category Putah South Canal  
 Status In Process

### Description

Assess and update all electrical hardware along the Putah South Canal (PSC) to support planned SCADA improvements that meet current codes and safety compliance. Determine and remove abandoned stations, as well as install new services where needed. Checks, siphons, automated gates, and sensor locations shall all be evaluated for long term use and upgraded/replaced where needed. To determine locations where electrical services are absent but required, future upgrades for the PSC are compared against sites that already have the required power delivery. For example, a check currently using weir boards that eventually needs to be outfitted with automated radial gates will require proper power delivery, a control box, and SCADA integration.

### Justification

Updates improve Solano Project operations, support the implementation of SCADA automation, and minimizes safety hazards. Majority of the electrical equipment and wiring on the PSC are original from the late 1950s and have degraded to a point where they need replacing or have already been abandoned for modern counterparts.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	25,000	150,000	0	0	0	0	0	0	0	0	175,000
<b>Total</b>	<b>25,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	25,000	150,000	0	0	0	0	0	0	0	0	175,000
<b>Total</b>	<b>25,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>175,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC02  
 Project Name Cement Hill Pipeline

Total Project Cost \$250,000  
 Type New Build  
 Priority High  
 Strategic Plan Goals G2. Water Management Infrastructure G3. Flood Management

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Design of underground pipeline along the Putah South Canal (PSC) from Peabody Road to Clay Bank Road. Scope of work includes coordination with local agencies, identifying alignment of new pipe configuration, identifying operational concerns during construction, verifying if additional property, easements and/or land acquisitions is required. Construction cost will be added to the capital improvement plan once design is complete.

### Justification

Improves water supply reliability. Overall, the geotechnical properties of the supporting soil along this portion of the PSC do not exhibit the best structural stability and pose a potential risk to nearby communities. The canal is situated along the edge of two geologic interfaces, cement hill being classified as an ancient marine deposit, while the surrounding lowlands are comprised of more recent alluvial fan deposition. Due to the existing conditions, there is concern regarding the open channel of water continuing to pass through this area for there remains an increased risk of landslides, seepage from groundwater pressure that can affect neighboring homes and properties. Objectives for this project are to extend the existing bypass pipeline through the Cement Hill area and potentially relocate it to facilitate full-time operations. The proposed project would aim to reduce the risk of future canal failure in this area.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Design	125,000	125,000	0	0	0	0	0	0	0	0	250,000
<b>Total</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	125,000	125,000	0	0	0	0	0	0	0	0	250,000
<b>Total</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC03  
 Project Name Automated Fence Gate Upgrades

Total Project Cost	\$75,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Installation of new automated gates throughout the Putah South Canal. Scope of work includes determining which access points need repairs or upgrades. Project would aim to establish a contract with a gate/fencing company/contractor to build and maintain automated gates for access along the entire Solano Project. Heavy maintenance traffic areas currently without automatic gates such as Union, Alamo, and Terminal Check are prime candidates for new construction.

### Justification

The project provides efficient and reliable access to the Solano Project infrastructure. Current access to the canal is through either padlocked or automated fence gates, some of which are either inoperable or difficult to open. Although the time saved might seem minimal, the cumulative effect of struggling with old locks, and frequent safety of vehicles entering and exiting off local roads can significantly impact the overall quality of the working environment.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	25,000	25,000	25,000	0	0	0	0	0	0	0	75,000
<b>Total</b>	<b>25,000</b>	<b>25,000</b>	<b>25,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	75,000	0	0	0	0	0	0	0	0	0	75,000
<b>Total</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC04  
**Project Name** Union Check Electrical Connection Improvements

<b>Total Project Cost</b>	\$105,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	High	<b>Status</b>	In Process
<b>Strategic Plan Goals</b>	G2. Water Management Infrastructure		

### Description

Installation of new solar electrical system and automation equipment at Union Check along the Putah South Canal (PSC) to power the SCADA system, radial gates, and .75 HP single phase motor.

### Justification

Improve Solano Project operations. The Union Check is the only check along the PSC that is not connected to a secure electrical connection. Obtaining power at this site will facilitate more consistent and reliable facility operations.

Prior	Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
5,000	Construction	100,000	0	0	0	0	0	0	0	0	0	100,000
	<b>Total</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

Prior	Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
5,000	Solano Project Fund	100,000	0	0	0	0	0	0	0	0	0	100,000
	<b>Total</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC05  
 Project Name Access Road Improvements

Total Project Cost	\$400,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Design and rehabilitate the existing access roads along the Putah South Canal located near the McCoy Check and Mangels Siphon. Scope of work assumes installation and compaction of new road base and installation of new pavement sections along portions of the existing access roads, where existing elevations and constraints require the area to have more robust driving surface to support the safety of staff. Other areas deemed viable will be considered for installation of a gravel surface.

### Justification

Enhances accessibility to the Solano Project infrastructure. Some areas have steep access roads that could hinder vehicle movement in adverse conditions. Potholes and gravel patches can cause tire slippage, exacerbating road conditions and increasing tire wear. Replacing the entire surface with gravel is not feasible due to the steep gradient unless the road is re-sloped first.

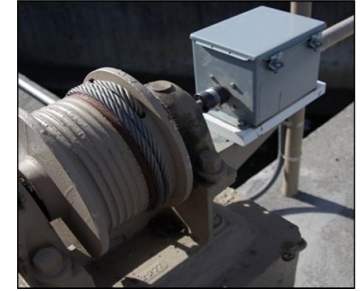
Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	300,000	0	0	0	0	0	0	0	300,000
Design	0	75,000	0	0	0	0	0	0	0	0	75,000
Planning	25,000	0	0	0	0	0	0	0	0	0	25,000
<b>Total</b>	<b>25,000</b>	<b>75,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	25,000	75,000	300,000	0	0	0	0	0	0	0	400,000
<b>Total</b>	<b>25,000</b>	<b>75,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC06  
 Project Name Automation Updates

Total Project Cost \$390,000  
 Type Rehabilitation  
 Priority High  
 Strategic Plan Goals G2. Water Management Infrastructure G6. Data Management

Department Solano Project  
 Category Putah South Canal  
 Status In Process

### Description

Canal checks are designed to operate at varying water levels by raising or lowering their gates to maintain consistent water delivery to end users. Currently, some checks along the Putah South Canal (PSC) are manually operated and require operators to physically visit a site to adjust said gates. Automating this process involves setting up hardware and software to monitor and compare water levels and gate positions. Having the capability to monitor the conditions further allows operation staff to determine if certain checks need their gates to be raised or lowered. Electrical wiring, motors, sensors, and network hardware at all checks require updating to support automation. Newly installed hardware will also require calibration by setting a rating curve to match sensor voltage outputs with actual physical values. Scope of work includes the installation of automation infrastructure including but not limited to new electrical wiring, motors, sensors, and network hardware.

### Justification

Improves the operations of the Solano Project. Provides adequate and consistent water supplies down the PSC.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	90,000	150,000	150,000	0	0	0	0	0	0	0	<b>390,000</b>
<b>Total</b>	<b>90,000</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	90,000	150,000	150,000	0	0	0	0	0	0	0	<b>390,000</b>
<b>Total</b>	<b>90,000</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC07  
 Project Name GIS Database Development

Total Project Cost	\$150,000	Department	Solano Project
Type	Study	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G6. Data Management		

### Description

Update existing Putah South Canal Geographic Information System (GIS) database to include facilities and infrastructure including pumps, checks, etc. The GIS system would tie in with Computerized Maintenance Management System project (SP-PSC09 Computerized Maintenance Management System) to develop an inventory detailing the state of maintenance for all the various hardware and infrastructure items along the canal. The scope of work includes design of an automated GIS collaborative map that keeps track of maintenance performed by various operations staff members at Solano County Water Agency and Solano Irrigation District.

### Justification

Categorizes priorities and streamlines projects that need to be finished, avoiding confusion between agencies and staff members.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	150,000	0	0	0	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	150,000	0	0	0	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC08  
 Project Name McCoy Panel Repair

Total Project Cost	\$75,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Critical	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Replace the damaged canal panels near the North Bay Regional Water Treatment Plant and McCoy Check.

### Justification

Improves water supply reliability. Groundwater seepage entering the canal or improper drainage can build pressure behind sections of the liner and cause the panels to separate. Repairing these panels is critical to not impact the North Bay Regional Water Treatment Plant's intake.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	75,000	0	0	0	0	0	0	0	0	75,000
<b>Total</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	75,000	0	0	0	0	0	0	0	0	75,000
<b>Total</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC09  
**Project Name** Computerized Maintenance Management System

<b>Total Project Cost</b>	\$200,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	High	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G6. Data Management		

### Description

Establish a software preventative maintenance program that documents key assets, maintenance records, and maintenance intervals. Utilize computer software database to track the maintenance status of Solano Project assets and hardware. The scope of work would include identifying maintenance intervals for all assets along with an inventory list of hardware and attempt to incorporate past maintenance records. This system would also have the abilities to tie into a GIS network. This project will allow operations staff to open a map on an electronic device (e.g., phone, tablet and/or computer) and reference the status of the infrastructure and potentially update the state of a specific project or maintenance item.

### Justification

Improves the ability to track and record maintenance and rehabilitation completed on the Solano Project. Tracking maintenance is important for operations, eliminating confusion as to when an asset may need updating and/or refurbishing, as well as documenting performed maintenance and rehabilitation tasks. If the program is used diligently, it will alleviate unnecessary record digging or guesswork involved with all hardware repairs.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	200,000	0	0	0	0	0	0	0	200,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	200,000	0	0	0	0	0	0	0	200,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC10  
 Project Name Pipeline Conversion

Total Project Cost \$250,000  
 Type New Build  
 Priority High  
 Strategic Plan Goals G1. Water Supply Management G2. Water Management Infrastructure

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Design a new underground pipeline in place of open channel canal in various areas along the Putah South Canal (PSC). The areas identified include the canal in the vicinity of Rockville to Mangels and Mangels Siphon to Terminal Check. The scope of work would include determining the feasibility, the cost to complete the construction, and verify the viability for two separate locations over the span of 2-years. Once the design is complete construction of the said proposed improvements will be added to the capital improvement plan.

### Justification

Improves water supply reliability. The PSC runs along two mountain ranges in its lower half, both of which are home to fault-lines and are surrounded by residential neighborhoods. Seismic instability is not the only concern with these sections, as the canal is cut into hillsides which can produce significant groundwater seepage during storm events. This seepage puts undue pressure underneath concrete liners which subsequently may cause catastrophic failure and/or leakage. Converting these sections to pipeline will help reduce the liability of seismic and seepage failures while also addressing aquatic vegetation growth.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Design	0	0	125,000	125,000	0	0	0	0	0	0	250,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	125,000	125,000	0	0	0	0	0	0	250,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC11  
 Project Name Seismic Assessment

Total Project Cost	\$150,000	Department	Solano Project
Type	Study	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G1. Water Supply Management G2. Water Management Infrastructure G4. Water Resource Resiliency		

### Description

The purpose of the study is to identify seismic upgrades and potential risks along the Putah South Canal (PSC). Along the PSC infrastructure there are two (2) active earthquake faults (Concord-Green Valley fault and Cordelia fault). The study will aim to accomplish the following objectives:

- Identify proposed upgrades to the PSC infrastructure including the three existing siphons.
- Protect the regional water supply to the cities of Benicia and Vallejo.
- Reduce the risk of canal or pipeline failure, associated with 2-active faults that cross the PSC (e.g., seepage, canal liner failures, catastrophic failure).
- Potentially identify redundancy alternatives (e.g., possible emergency regional water supply intertie with the North Bay Aqueduct Cordelia Forebay (part of the California State Water Project for 250,000 residents in Napa and Solano Counties, including Vallejo, Benicia, Napa, American Canyon, and Calistoga).

Once the study is completed additional projects and associated budgets will be revised within the Solano Project Rehabilitation and Betterment Plan.

### Justification

The project offers clear direction, identifies potential risks, and supports a secure and reliable water supply. The siphons are situated in an area with significant groundwater pressure due to interactions between different ground types. The existing liner is extensively cracked, has experienced multiple seepage failures, and is located in a densely urbanized area with many homes at the base of the PSC.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	150,000	0	0	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	150,000	0	0	0	0	0	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC12  
 Project Name Guard Rail Improvements

Total Project Cost	\$100,000	Department	Solano Project
Type	New Build	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Install guard rails at various locations along the Putah South Canal. Scope of work includes assessing the existing conditions and determining the applicable locations in need of additional transportation safety improvements. As shown in the photo, some locations may require removal of existing cyclone fencing and placement of new guard rail. Other locations may be identified as needing additional safety measures.

### Justification

Protects the water supply and improves public safety. Installation of guard rail will provide safety for operational staff and minimize risk of vehicles entering the canal. Guard rails are an inexpensive investment compared to potential damage to vehicles and injury of said operation staff and/or public.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	100,000	0	0	0	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	100,000	0	0	0	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC13  
 Project Name Seepage Improvements

Total Project Cost	\$325,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Assess the existing conditions, design and implement methods to reduce seepage along the Putah South Canal (PSC). The scope of work includes designing drainage relief systems at various locations along the canal to minimize impact to the canal and other surrounding infrastructure.

### Justification

Improves drainage conditions along the Solano Project. The issue is widespread, most of the seepage is groundwater pressure entering the PSC, a few cases are downstream of the canal. Groundwater seepage entering the canal can build pressure behind sections of the liner and cause the panels to pop off, necessitating canal drainage for repairs. Developing groundwater relief systems and drains prevent this from happening. Seepage exiting the canal can be a significant source of water loss, as well as a potential geotechnical issue. It can enter basements in nearby homes, seep onto the surface to increase runoff, or destabilize land masses enough to cause a slide.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	250,000	0	0	0	0	0	250,000
Design	0	0	0	75,000	0	0	0	0	0	0	75,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	75,000	250,000	0	0	0	0	0	325,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC14  
**Project Name** Radial Gate Rehabilitation and Modernization

<b>Total Project Cost</b>	\$300,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	High	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G2. Water Management Infrastructure		

### Description

Inspect, recoat, and replace seals for eleven (11) of thirteen (13) checks with radial gates. Alamo, Union, and Mankas checks are of highest priority. Locations where seals have already degraded to a point of no return will need to have replacement rubber installed. Inspect trunnion pins and bushings to determine if lubrication or replacement is needed, overly corroded pins cause friction during gate operation and put added stress in the gate arms. Project is connected to SP-PSC15 Union Check Gate Optimizatio and SP-PSC21 Rockville Radial Gate Upgrades.

### Justification

Extends the lifetime of the aging infrastructure. Reduces the risk of catastrophic failures. The radial gates that control flow in the Putah South Canal use rubber seals to prevent water escapement on the bottom and sides of the gate while allowing free radial movement. These seals need to be inspected, recoated, or replaced to maintain a proper watertight lock. Checks with excessive leaking make it difficult to predict flow ratings. PTFE coated rubber, or Teflon rubber, is the material of choice for seals, providing excellent UV resistance, low friction, and long service life when properly maintained. The most prevalent source of rubber degradation comes from exposure to excess heat or UV light which can crack seals, letting oxygen and other chemicals break down the rubber molecular chain internally. Recoating seals with PTFE can prevent this from happening and extend the service lifetime.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	150,000	150,000	0	0	0	0	0	<b>300,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	150,000	150,000	0	0	0	0	0	<b>300,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC15  
 Project Name Union Check Gate Optimization

Total Project Cost	\$90,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

At the Union Check along the Putah South Canal, the required head elevation forces water to flow over the top of the radial gate. The scope of work includes investigating alternative delivery methods to prevent water from constantly overtopping the radial gates. Some options to consider are modifying the check with a larger gate, increasing the height of the gate by installing an extension, or modifying the water siphon upstream to lower the head requirement. The project is connected to SP-PSC14 Radial Gate Rehabilitation and Modernization.

### Justification

Improves Solano Project operations. Under existing conditions, water continuously is observed to flow over the top of the existing check which appears to wear down the protective paint surface causing rust to form and causing frequent maintenance. Designing alternative solutions to minimize the frequency of water topping over the check, will further support reliable, quality water to Solano County Water Agency agencies.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	70,000	0	0	0	0	0	<b>70,000</b>
Design	0	0	0	20,000	0	0	0	0	0	0	<b>20,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	20,000	70,000	0	0	0	0	0	<b>90,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC16  
 Project Name Elmira Road Drainage Improvements

Total Project Cost	\$300,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	High	Status	Pending
Strategic Plan Goals	G3. Flood Management		

### Description

Design and implement new drainage improvements along the Putah South Canal at Elmira Road (south side). The scope of work may include curb and gutter with aggregate base and/or gravel along the existing access road. A retention area may also be designed and constructed to allow for groundwater infiltration as applicable.

### Justification

Improves drainage conditions along the Solano Project. The existing drain configuration induces erosion through soft substrate with low groundwater infiltration which then drains into the municipal drainage system. Impervious surface with channelized drainage system may assist with reducing erosion and preventing sedimentation in the city storm drainage system.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	0	0	250,000	0	0	0	0	0	250,000
Design	0	0	0	0	50,000	0	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	300,000	0	0	0	0	0	300,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC17  
 Project Name Green Valley Wasteway Upgrades

Total Project Cost	\$80,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Critical	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Assess, modify and/or repair the Green Valley Wasteway. The scope of work includes inspecting the existing conditions including structural integrity of the Green Valley Wasteway pipeline to confirm if it remains operatable to handle potential emergency spills. This pipeline is designed to expel any excess water at the Terminal Check along the Putah South Canal if the main siphon pipeline is blocked or if there are inadequate flows. This wasteway is designed to pre-emptively spill into Green Valley Creek before water levels rise above the lip of the canal.

### Justification

Contingency planning and protects the integrity of the Solano Project.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	60,000	0	0	0	0	<b>60,000</b>
Planning	0	0	0	0	20,000	0	0	0	0	0	<b>20,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	20,000	60,000	0	0	0	0	<b>80,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC18  
 Project Name Water Loss Study

Total Project Cost \$60,000  
 Type Study  
 Priority High  
 Strategic Plan Goals G1. Water Supply Management G2. Water Management Infrastructure

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Develop a water loss study for the entire duration of the Solano Project from Monticello Dam to Terminal Reservoir. The study shall update the 2008 Tech Memo, Putah South Canal Water Losses Study by completing a more in-depth analysis determining where discrepancies in water delivery volume/losses are occurring, evaluate the existing checks and water siphons for rating accuracy, and compared said results to dam releases.

### Justification

Improves efficiency of operations and potential operational improvements on the Solano Project.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	60,000	0	0	0	0	0	60,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	60,000	0	0	0	0	0	60,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC19  
 Project Name Liner Assessment

Total Project Cost \$50,000  
 Type Study  
 Priority Med  
 Strategic Plan Goals G2. Water Management Infrastructure G4. Water Resource Resiliency

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Conduct overall liner assessment and prepare report of the Putah South Canal condition from the Headworks to Wintu Lane to identify cracks, voids, weak panels, and any other notable damage. Scope of work also includes assessing previously mended panels to confirm patch seals remain in tacked, are water tight, and remain in acceptable condition. Small cracks and lips in the concrete can trap aquatic plant seeds that grow out and trap more sediment, snowballing both vegetation growth and sedimentation. Vegetation eventually dislodges and drifts to a slower water velocity, (usually upstream of checks) where it decomposes into more sediment while releasing other unwanted byproducts. Having a smooth canal liner prevents some plants from growing, at least the ones near the surface where more light is present for optimal growing conditions.

### Justification

Liner panels can become dislodged or uplifted due to changes in geomorphology, groundwater pressure, canal cleanout procedures, or high flows, and should be inspected for damage and identify potential failure points to prevent seepage and/or leaks.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	0	50,000	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	50,000	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC20  
 Project Name Vegetation Boom Removal

Total Project Cost \$50,000  
 Type Rehabilitation  
 Priority Med  
 Strategic Plan Goals G1. Water Supply Management G4. Water Resource Resiliency

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Assess and install a method to remediate the accumulation of plant matter within the Putah South Canal. Scope of work includes investigating the use of vegetation booms that could potentially redirect floating hydrophytes to screen cleaners for removal.

### Justification

Enhances the operations of the Solano Project and improves water quality, particularly at check structures where vegetation tends to accumulate and decompose into silt. This silt accumulates at the bottom of the canal, contributing significantly to sedimentation and the need for canal cleanouts. Currently, hanging trash racks prevent vegetation from gathering against check structures but do not fully address its removal from the canal. By preventing the decomposition of plants, this improvement will not only aid in sediment removal but also help resolve taste and odor issues associated with the byproducts of this decomposition.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	50,000	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	50,000	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC21  
 Project Name Rockville Radial Gate Upgrades

Total Project Cost	\$70,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Assess the existing Rockville radial gate conditions to determine if rehabilitation and/or removal/replacement of existing infrastructure is required. Determine if the thin corrugated metal is adequate and remains to have the necessary structural integrity and/or if there are other hidden failure risks for continuing to use this style of gate (e.g., identify if leaves and plant debris tend to gather on the struts behind the corrugated metal because it will lead to premature rusting and if so are there other preferred styles/materials of gates). This gate uses different seal types from other checks therefore, scope of work will include comparing service lifetime with other styles used on other similar canal operations.

### Justification

The project extends the lifespan of aging infrastructure and reduces the risk of catastrophic failures. The Rockville Check features a distinct radial gate with a different design—using corrugated metal that is thinner and mounted differently compared to the other Putah South Canal radial gates.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	70,000	0	0	0	70,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	70,000	0	0	0	70,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC22  
**Project Name** Gravel and Mulch (Inner-Outer Banks) Management

<b>Total Project Cost</b>	\$140,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	Low	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G4. Water Resource Resiliency		

### Description

Develop and implement a gravel and mulch management plan for the inner and outer banks of the Putah South Canal (PSC). This plan will identify areas where vegetation cannot be grown, identify areas in which gravel and mulch is viable and provide estimated volumes of each material to reduce sedimentation and vegetation issues along the PSC (i.e. such areas as the Alamo to Union Checks).

### Justification

Prevent colluvial sediment deposition into the canal. A surprising amount of sediment enters the canal from banks surrounding the channel. Cutting a bench along the entire canal from the top of the liner and planting erosion resistant vegetation is outlined in the PSC benching project and is the preferred method of bank erosion control. Not all soil along the PSC is suitable for growing plants. However, these difficult areas need gravel and mulching to help maintain the cut bench.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	100,000	0	0	0	<b>100,000</b>
Design	0	0	0	0	0	0	30,000	0	0	0	<b>30,000</b>
Planning	0	0	0	0	0	0	10,000	0	0	0	<b>10,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	140,000	0	0	0	<b>140,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC23  
 Project Name Manhole Assessment

Total Project Cost	\$310,000	Department	Solano Project
Type	Study	Category	Putah South Canal
Priority	Low	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Assess the current conditions of the Putah South Canal (PSC) and determine if manhole access is warranted and feasible for Rockville, Mangels, and Green Valley Siphons. Installation of manholes would facilitate operation staff to further be able to access and maintain the existing infrastructure.

### Justification

The project enhances inspection efficiency, saving both time and money. Certain sections of the PSC run beneath neighborhoods to maintain head elevation and deliver gravity-fed water to cities and farmers. These segments include lengthy underground passages with restricted access, necessitating maintenance crews to rappel down the siphon's intake or outflow for inspections.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	0	0	0	0	0	250,000	0	0	250,000
Planning	0	0	0	0	0	0	60,000	0	0	0	60,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>310,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	0	60,000	250,000	0	0	310,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>310,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC24  
**Project Name** Wasteway Gate Rehabilitation

<b>Total Project Cost</b>	\$110,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	Med	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G2. Water Management Infrastructure		

### Description

Assess the condition of all wasteway gates along the Putah South Canal infrastructure. Determine the state of wasteway gates and complete the necessary rehabilitation including but not limited to remove/replace, install new rubber seals and recoat metal structure as needed. The wasteway gate located at McCoy check has been identified as a top priority.

### Justification

Extends the lifetime of the aging infrastructure. Reduces the risk of catastrophic failures.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	100,000	0	0	0	<b>100,000</b>
Planning	0	0	0	0	0	0	10,000	0	0	0	<b>10,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	110,000	0	0	0	<b>110,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>

FY 25 thru FY 34

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC25  
 Project Name Regulating Reservoir

Total Project Cost	\$200,000	Department	Solano Project
Type	New Build	Category	Putah South Canal
Priority	Med	Status	Pending

### Description

Conduct a feasibility study for installing a regulatory reservoir potentially near Noonan Drain. Once the feasibility study is completed, cost of construction implementation will be added to the capital improvement plan as applicable.

### Justification

The reservoir would perform several functions: regulating flow, provide greater storage capacity, and improve canal cleanout efficiency.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	0	0	0	0	200,000	0	0	0	<b>200,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	200,000	0	0	0	<b>200,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC26  
 Project Name Sediment Trap Installation

Total Project Cost \$100,000  
 Type New Build  
 Priority Med  
 Strategic Plan Goals G1. Water Supply Management G2. Water Management Infrastructure

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Design sediment ejection traps along the canal with a parallel pipeline to allow for removal of sediment during irrigation operations, peak demand season, and/or canal cleaning operations. The design may include installation of additional pumps to support dewatering of the sediment trap. Construction cost will be included in capital improvement plan once design is complete.

### Justification

Improves sediment management and improves water quality. The strongest sedimentation occurs just upstream of most check structures where channel velocity is slowest and is overall more prevalent lower on the canal. Dislodged aquatic plants tend to settle in these locations and decompose which adds to the sediment accumulation. Sediment ejection traps are a special type of weir where surface water can overtop for downstream delivery, while the main body of water is slowed down enough to allow particles to fall out of the solution and collected later. While this may consolidate sediment that is being actively transported down the canal, it does not stop the main source of sedimentation, that being the widespread growth and decomposition of aquatic plants.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Design	0	0	0	0	0	0	0	100,000	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	100,000	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC27  
 Project Name Screen Cleaner Installation

Total Project Cost \$130,000  
 Type New Build  
 Priority Med  
 Strategic Plan Goals G2. Water Management Infrastructure G4. Water Resource Resiliency

Department Solano Project  
 Category Putah South Canal  
 Status Pending

### Description

Design and installation of new screen cleaners at various headworks along the Putah South Canal (PSC).

### Justification

Improves maintenance and operations of the Solano Project. Improves water quality. Vegetation tends to gather and decompose above checks leading to sedimentation buildup or canal blockage. Certain checks such as Rockville require frequent cleaning to keep waterways open, implementing a screen cleaning system will alleviate maintenance needs. IWS Screen Cleaner at Chad Headworks is capable of handling large volumes of vegetation, a similar system could be used at various checks along the PSC.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	0	0	0	0	0	100,000	0	0	100,000
Design	0	0	0	0	0	0	0	30,000	0	0	30,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,000</b>	<b>0</b>	<b>0</b>	<b>130,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	0	0	130,000	0	0	130,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,000</b>	<b>0</b>	<b>0</b>	<b>130,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC28  
 Project Name Operations Road Improvement

Total Project Cost	\$150,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Low	Status	Pending

### Description

Design to re-construct existing asphalt operation roadways/access roads throughout the Putah South Canal service area. Alamo and Suisun Check access roads are of top priority in which the upstream and downstream both require attention. Scope of work includes assessing the existing conditions, determining roadway treatment and/or replacement of various materials (including but not limited to gravel, asphalt, etc.), determine viability based on location, and expected frequency and/or type of use. Once the design is complete the cost of construction implementation will be added to the capital improvement plan as applicable.

### Justification

Enhances the longevity of the operations road by preventing further deterioration of the asphalt surface caused by aging, oxidation, water, and sun exposure. This project ensures long-term, reliable access to the Solano Project. Currently, the access road is in poor condition, with extensive cracking and overgrowth of weeds. For maintenance purposes, the approach would typically involve slurry or chip sealing. However, given the current state of the road, a complete removal and replacement, or upgrading to gravel, is necessary.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Design	0	0	0	0	0	0	0	150,000	0	0	<b>150,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	150,000	0	0	<b>150,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC29  
 Project Name Siphon Assessment

Total Project Cost	\$150,000	Department	Solano Project
Type	Study	Category	Putah South Canal
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Complete an assessment of the three (3) large siphons along the Putah South Canal (Rockville, Mangels, and Green Valley). The scope of work includes inspecting each location for potential constraints, risks, structural condition, drainage, access and/or acknowledging the need for additional maintenance. The assessment shall additionally survey and map each facility to identify existing easements, land titles, access roads, vegetation and location/alignment of existing infrastructure (including existing pipelines).

### Justification

Improves water supply reliability. Some sections of the canal require a siphon to preserve head elevation over an unavoidable depression in the ground, these run underground with clear rights-of-way above them (besides streets and roads) surrounded by residential neighborhoods. This infrastructure is critical to maintain in working order in order to supply reliable water to Solano County Water Agency agencies.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Planning	0	0	0	0	0	0	0	150,000	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	0	0	150,000	0	0	150,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC30  
 Project Name Van Every Check Upgrade

Total Project Cost	\$150,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Design and install new weir infrastructure at the existing Van Every check location along the Putah South Canal. The manually operated Van Every check should be upgraded potentially with a new slide gate configuration and/or other physical improvements, as needed.

### Justification

Improves water delivery precision. Setting the water level on this check is currently managed by placement of different sized weir boards until the desired head is obtained. This method is a labor-intensive process when water is flowing in the canal. A slide gate at this location would eliminate the need for manually installing weir boards, provide the ability to automate the infrastructure allowing operations staff to have operational - control of the desired water level.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	100,000	0	0	<b>100,000</b>
Design	0	0	0	0	0	0	0	50,000	0	0	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	150,000	0	0	<b>150,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PSC31  
**Project Name** Pleasant Creek Overchute Upgrades

<b>Total Project Cost</b>	\$150,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	Low	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G3. Flood Management		

### Description

Design and replacement of existing overchute (overhead flume for Pleasants Creek) crossing the Putah South Canal (PSC). Pleasant Creek is a perennial stream which drains the watershed surrounding the neighborhood off Olive School Lane. The lower section of this drainage creek crosses over the PSC and under Putah Creek Road before being emptied into the Putah Creek watershed. The box culvert under Putah Creek Road is causing water to back up and overtop the chutes crossing the PSC. Scope of work includes assessing the existing conditions, determining the remaining life of the said structure and preparing to improve or replace the crossing to resume proper hydraulic flow during future peak runoff events.

### Justification

Improves drainage conditions along the Solano Project.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	0	100,000	<b>100,000</b>
Design	0	0	0	0	0	0	0	0	50,000	0	<b>50,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>150,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	50,000	100,000	<b>150,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>100,000</b>	<b>150,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC32  
 Project Name Fencing Improvements

Total Project Cost	\$500,000	Department	Solano Project
Type	New Build	Category	Putah South Canal
Priority	Low	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

The purpose of the project is to install new security fencing along the Putah South Canal (PSC) in areas where there is either no fencing, damaged and/or minimal protection. The scope of work shall include, but not limited to the following objectives:

- 5-miles of high-quality U.S Bureau of Reclamation (Reclamation) chain-link fencing topped with 3-strand barbed wire.
- 1.5-miles of fencing would be installed within a highly urbanized area of Fairfield.
- 3.5-miles of fencing would be installed in a rural residential area, where no fencing currently exists.
- The project would reduce the risk of drownings and liability to Reclamation and Solano County Water Agency.
- The project would reduce the risk of trespassing and vandalism.
- The project would reduce the risk of drownings of deer and other animals in the PSC.

Project is assumed to be completed in phases over a 2-year period.

### Justification

Protect against future drownings, trespassing, reduce the risk of vandalism, and reduce the drownings of deer and other animals, which has been a concern to the California Department of Fish and Wildlife.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	250,000	250,000	<b>500,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>500,000</b>
<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	250,000	250,000	<b>500,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>250,000</b>	<b>500,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC33  
 Project Name Terminal Check Upgrades

Total Project Cost	\$50,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Implementation of various upgrades to the Terminal Check facility along the Putah South Canal (PSC). Scope of work includes but is not limited to assessment of the existing equipment, replacement of the weir boards with new slide gates, installation of new vegetation screen cleaner, and relocation/reconstruction of the existing safety fence. Terminal Check is the final check along on the PSC, it controls water entering the Green Valley Siphon consisting of slide-in check boards versus radial gates and has a small vegetation screen cleaner.

### Justification

The existing equipment is nearing the end of its life cycle and needs replacement to enhance the safety and efficiency of operations. Currently, the fence obstructs safe access for routine water sampling, forcing staff to navigate around it with minimal space and risking falling into the canal. Installing a new gate will improve access and safety. Additional proposed upgrades will reduce manual labor costs and enhance maintenance, upkeep, and stability at this check.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	50,000	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	50,000	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>50,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC34  
 Project Name Storage Yard Development

Total Project Cost	\$120,000	Department	Solano Project
Type	New Build	Category	Putah South Canal
Priority	Low	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Construction of new operations storage yard along the Putah South Canal (PSC). The scope of work includes identifying a location, design and development of an area to store tools, equipment, and stockpile gravel and other building supplies. The storage area would be centralized to the PSC infrastructure, relative to roadway access, and have ease for delivery of gravel trucks and the maintenance crew.

### Justification

Improves Solano Project operations. The PSC spans approximately 33 miles through multiple jurisdictions and operations crews often are required to complete maintenance and emergency repairs. Staff currently have dedicated space at the North Bay Regional facility, however, building a storage yard will further facilitate and support the operations and maintenance staff and increase the efficiency of operations.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	0	100,000	100,000
Design	0	0	0	0	0	0	0	0	20,000	0	20,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>100,000</b>	<b>120,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	20,000	100,000	120,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,000</b>	<b>100,000</b>	<b>120,000</b>

# Capital Improvement Plan

## Solano County Water Agency

**Project #** SP-PSC35  
**Project Name** Infrastructure Sign Upgrades

<b>Total Project Cost</b>	\$80,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah South Canal
<b>Priority</b>	Low	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G2. Water Management Infrastructure		

### Description

The current signs along the Putah South Canal are deteriorated and need to be replaced. This project will update and install new, clear, and durable signs to improve information visibility.

### Justification

Replacing the signs ensures that critical information is clearly communicated to facility personnel and the public. New, durable signs will also reduce maintenance costs and contribute to a more professional and organized appearance of the facilities.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	80,000	0	<b>80,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>80,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	80,000	0	<b>80,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>80,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PSC36  
 Project Name Additional Right of Way

Total Project Cost	\$300,000	Department	Solano Project
Type	Rehabilitation	Category	Putah South Canal
Priority	Low	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Acquisition of additional land adjacent to the Putah South Canal (PSC) to aid with sediment and vegetation management. During routine maintenance, equipment operators dredge out sludge and vegetation built up found in the channel/screens. Additional right-of-way space along the PSC is key in areas near Rockville and Alamo check, as it will help alleviate sludge and vegetation removal logistics where space is limited.

### Justification

Improves the operations of the Solano Project. Staff currently haul sludge and vegetation out by truck or is thrown in refuse piles where space is available.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Land Acquisition	0	0	0	0	0	0	0	0	0	300,000	<b>300,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>300,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	0	300,000	<b>300,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>300,000</b>

# **Appendix G. Putah Diversion Office**

# Capital Improvement Plan

## Solano County Water Agency



**Project #** SP-PDO01  
**Project Name** Water Quality Assessment

<b>Total Project Cost</b>	\$80,000	<b>Department</b>	Solano Project
<b>Type</b>	Rehabilitation	<b>Category</b>	Putah Diversion Office
<b>Priority</b>	High	<b>Status</b>	Pending
<b>Strategic Plan Goals</b>	G7. Natural Resources Stewardship		

### Description

Prepare and implement a plan to conduct quarterly water quality testing on the potable water well at Putah Diversion Office (PDO) to see if additional filtration or treatment is needed. Well water tends to contain minerals such as calcium and magnesium which contribute to hardness, as well as iron and sulfur which can have negative impacts on taste/odor. Water softeners or iron filters will remove most minerals and produce clean drinking water for PDO. Scope of work includes water sampling, design, and installation of water filter system.

### Justification

Provides safe and reliable water supplies to staff.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	0	0	80,000	0	0	0	0	0	0	0	80,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	80,000	0	0	0	0	0	0	0	80,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>

# Capital Improvement Plan

## Solano County Water Agency

**Project #** SP-PDO02  
**Project Name** Fence Installation

**Total Project Cost** \$100,000  
**Type** New Build  
**Priority** High  
**Strategic Plan Goals** G2. Water Management Infrastructure

**Department** Solano Project  
**Category** Putah Diversion Office  
**Status** Pending

### Description

Install fencing and/or bollards around the existing leach fields to enhance safety and protect the area from unauthorized access. The new cyclone fencing will create a secure perimeter to prevent accidental damage and limit exposure. The fencing will be designed to withstand environmental conditions and ensure durability, while also being easy to maintain.

### Justification

Improves site safety and helps preserve the integrity of the leach fields.

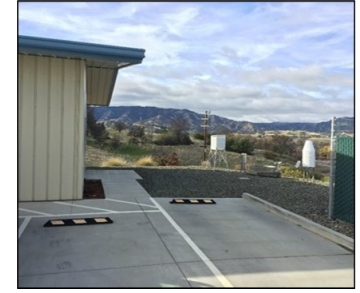
<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	100,000	0	0	0	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	100,000	0	0	0	0	0	0	100,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDO03  
 Project Name Admin Building Expansion

Total Project Cost	\$350,000	Department	Solano Project
Type	New Build	Category	Putah Diversion Office
Priority	Med	Status	Pending
Strategic Plan Goals	G10. Funding and Staffing		

### Description

The administrative building is used by Solano Irrigation District (SID) staff to monitor and operate the Putah Diversion Dam, it houses a small break area, office, and bathroom. The amenities are adequate for current SID staffing needs; however, the Putah Diversion Office (PDO) is also used as a base of operations for the Lower Putah Creek Coordinating Committee, the Solano Project, and Lake Berryessa Outreach field staff. Currently, part of the Solano County Water Agency workshop is used as a locker room and break room for field staff members to store gear, eat lunch, or perform other administrative duties. This area has no air conditioning, a small amount of storage, and houses one of the only usable workspace tables in the shop. The office space adjacent to this is only big enough for two desks and has limited storage for paperwork and other gear. The scope of work is to expand the existing administration building to provide extra office and breakroom space needed for staff members using PDO as base of operations.

### Justification

Provides staff with more suitable work environment and accommodations to complete work responsibilities.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	250,000	0	0	0	<b>250,000</b>
Design	0	0	0	0	0	100,000	0	0	0	0	<b>100,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	100,000	250,000	0	0	0	<b>350,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-PDO04  
 Project Name Solar Array Installations

Total Project Cost	\$320,000	Department	Solano Project
Type	New Build	Category	Putah Diversion Office
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Review locations to install solar arrays to minimize electrical operating costs. Large buildings such as the workshop and covered storage yard at the Putah Diversion Office are viable locations to install solar, based on sunlight exposure and existing infrastructure. Open outdoor spaces are also viable locations for solar array installation. The scope of work includes assessing viable areas, design, and installation of proposed solar arrays. Once the planning and design is complete the cost of construction implementation will be revised.

### Justification

Reduces operation costs.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	0	0	0	0	0	250,000	0	0	250,000
Design	0	0	0	0	0	0	50,000	0	0	0	50,000
Planning	0	0	0	0	0	0	20,000	0	0	0	20,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>320,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	0	70,000	250,000	0	0	320,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>320,000</b>

# Capital Improvement Plan

## Solano County Water Agency

**Project #** SP-PDO05  
**Project Name** Staging Area for Equipment Storage

**Total Project Cost** \$80,000  
**Type** New Build  
**Priority** Low  
**Strategic Plan Goals** G2. Water Management Infrastructure

**Department** Solano Project  
**Category** Putah Diversion Office  
**Status** Pending

### Description

Construct a covered staging area dedicated to the secure storage of equipment behind the Putah Diversion Office. The new structure will provide a weather-resistant shelter for machinery, tools, and other critical equipment, ensuring they are protected from environmental elements such as rain, snow, and UV exposure. The covered staging area will be designed to enhance operational efficiency by offering organized and accessible storage space, reducing equipment deterioration and downtime. Boats and excavators can be stored in the back and leave the covered area near the shop for projects and maintenance.

### Justification

This addition will support better inventory management, extend the lifespan of equipment, and improve overall safety by keeping tools and machinery in a designated, protected area.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	0	80,000	<b>80,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>80,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	0	80,000	<b>80,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>	<b>80,000</b>

# Appendix H. Terminal Reservoir

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-TR01  
 Project Name Reservoir Lane Improvements

Total Project Cost	\$70,000	Department	Solano Project
Type	Rehabilitation	Category	Terminal Reservoir
Priority	High	Status	In Process
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

In collaboration with the City of Fairfield and Solano County develop a solution to reroute Hennessey Creek to Green Valley Creek to resolve the observed drainage issues. The scope of works includes acquiring an easement to access the pipe portion of the PSC that feeds to Terminal Reservoir, and consider establishing a maintenance agreement with the landowners and the City of Fairfield to maintain Reservoir Lane. Land acquisition and any additional costs will be revised once coordination and planning is completed.

### Justification

Provides a safe and accessible road to Terminal Check to facilitate operations and reduces drainage issues.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Planning	50,000	0	0	0	0	0	0	0	0	0	<b>50,000</b>
Land Acquisition	0	20,000	0	0	0	0	0	0	0	0	<b>20,000</b>
<b>Total</b>	<b>50,000</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	50,000	20,000	0	0	0	0	0	0	0	0	<b>70,000</b>
<b>Total</b>	<b>50,000</b>	<b>20,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-TR02  
 Project Name Operation Road Improvements

Total Project Cost	\$550,000	Department	Solano Project
Type	Rehabilitation	Category	Terminal Reservoir
Priority	Med	Status	Pending
Strategic Plan Goals	G2. Water Management Infrastructure		

### Description

Design and implementation for the reconstruction of the operations access road along the east and west sides of the Terminal Reservoir. The scope of work includes installation of asphalt and/or gravel around the perimeter of the reservoir to facilitate all weather access. Once the design is complete the cost of construction implementation will be added to the capital improvement plan as applicable.

### Justification

Provides a safe and accessible road to Terminal Check to facilitate operations. The East access road has severely cracked and potholed asphalt, posing a risk to vehicle damage or entrapment. The Western access road consists of dirt which is inoperable in wet weather conditions. To ensure reliable access during all conditions, the East side should be repaved with asphalt, and the West/North sides should be upgraded with gravel and/or regraded. This will support operations and provides emergency access if the Eastern roadway or earth dam fails.

Expenditures	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Construction	0	0	0	0	0	500,000	0	0	0	0	500,000
Design	0	0	0	0	0	50,000	0	0	0	0	50,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>

Funding Sources	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	Total
Solano Project Fund	0	0	0	0	0	550,000	0	0	0	0	550,000
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550,000</b>

# Capital Improvement Plan

## Solano County Water Agency



Project # SP-TR03  
 Project Name Reservoir Cleanout

Total Project Cost \$1,000,000  
 Type Rehabilitation  
 Priority Low  
 Strategic Plan Goals G1. Water Supply Management

Department Solano Project  
 Category Terminal Reservoir  
 Status Pending

### Description

Implementation for the cleaning of Terminal Reservoir based on the 2013 Vegetation Study. Scope of work includes verifying prior suggestions from the study to see if they remain feasible and viable, including, but not limited to dredging of the entire lake, increasing shore depth and replacing substrate with rocks to prevent aquatic vegetation from rooting. The scope of work will further identify if upstream maintenance has occurred and whether a routine maintenance plan is in place prior to completing the said cleanout of the Terminal Reservoir.

### Justification

Improves water quality conditions. Terminal Reservoir slowly loses capacity year after year because of aquatic vegetation growing, dying, and decomposing within the lake. It is recommended to complete cleaning of the reservoir and provide additional substrate to support maintaining the necessary capacity of the reservoir. Routine maintenance and removal of plant material from the canal is necessary, otherwise said vegetation will eventually make its way back into the reservoir and reestablish itself even if new substrate is installed. Therefore, the projected date of completion is based on the status of macrophyte growth in the canal and control of vegetation within Lake Solano.

<b>Expenditures</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Construction	0	0	0	0	0	0	0	0	1,000,000	0	<b>1,000,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>

<b>Funding Sources</b>	<b>FY 25</b>	<b>FY 26</b>	<b>FY 27</b>	<b>FY 28</b>	<b>FY 29</b>	<b>FY 30</b>	<b>FY 31</b>	<b>FY 32</b>	<b>FY 33</b>	<b>FY 34</b>	<b>Total</b>
Solano Project Fund	0	0	0	0	0	0	0	0	1,000,000	0	<b>1,000,000</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>1,000,000</b>

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: May 14, 2026

SUBJECT: Fiscal Year 2026-2027 Budget Update

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RECOMMENDATIONS:

1. Hear presentation and accept the staff report providing a preliminary overview of the proposed Fiscal Year 2026–2027 Budget.
2. Provide direction to staff on recommended cuts to balance the proposed Fiscal Year 2026-2027 Budget.

FINANCIAL IMPACT:


None. This action does not approve or adopt the budget. The proposed Fiscal Year 2026–2027 Budget will be presented to the Board for formal consideration and approval next month.

BACKGROUND:

The Water Agency’s Board of Directors requested an update on the development of the Fiscal Year 2026–2027 Budget in advance of formal adoption. This presentation provides a high-level overview of the proposed budget, including key assumptions, major revenue and expenditure drivers, and notable changes from the prior fiscal year. The intent is to provide the Board with early visibility into the budget framework and an opportunity to ask questions ahead of the upcoming approval action.

RELEVANCE TO 2016-2030 SCWA STRATEGIC PLAN:

Year-end budget projections are consistent with Goal #10: Funding and Staffing: Provide the necessary resources to continue to achieve SCWA’s mission and values efficiently and effectively in a fiscally responsible manner.

Recommended:  \_\_\_\_\_  
Chris Lee, General Manager

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<input type="checkbox"/> Approved as Recommended	<input type="checkbox"/> Other (see below)	<input type="checkbox"/> Continued on next page
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Modification to Recommendation and/or other actions:

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I, Chris Lee, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on May 14, 2026, by the following vote:

Ayes:

Noes:

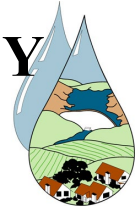
Abstain:

Absent:

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Chris Lee  
General Manager & Secretary to the  
Solano County Water Agency

# SOLANO COUNTY WATER AGENCY



## MEMORANDUM

**TO:** Board of Directors

**FROM:** Chris Lee, General Manager

**DATE:** April 30, 2026

**SUBJECT:** FY 2026-2027 Preliminary Budget-Including Proposed Budget Cuts

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### **Purpose of Memo**

At the April 9th Board of Directors meeting, a request was made for staff to present the proposed cuts to the FY 2026–2027 budget aimed at balancing the overall budget, in particular, the Administration-Solano-Watermaster (ASW) Fund—commonly referred to as the Water Agency’s General Fund. This memo outlines staff’s recommendations to reduce spending and stabilize the ASW Fund for the coming fiscal year.

Understanding the overall Water Agency Budget Structure is key to following proposed staff cuts to achieve a balanced budget for FY 2026-2027.

### **Budget Structure**

The Water Agency’s budget is comprised of four funds; ASW Fund, State Water Project Fund, Ulatis Flood Control Project Fund, and the Green Valley Flood Control Fund. The latter three are “restricted” funds—the respective revenue streams cannot be directed to other funds—while the former, the ASW Fund, in addition to supporting the Solano Project and administration, also serves as the Water Agency’s general fund—revenues can be used for any purpose.

#### Four Funds:

1. ASW Fund (General Fund)-flexible use
2. State Water Project Fund-restricted use
3. Ulatis Flood Control Project-restricted use
4. Green Valley Flood Control-restricted use

### **Recent Financial Improvements**

Over the last three years, staff have proposed cuts to spending in the ASW Fund, to help bolster reserves to that fund. If left unchecked, without these cuts, reserves of the ASW Fund would have approached zero dollars by FY 28-29. Reserves for the ASW Fund are now projected to be

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www.scwa2.com



\$16.8 million at the close of the current fiscal year.

Staff have made cuts to many of the ASW programs, but three main factors have contributed to the reversal in spending down reserves. Cuts to overall spending at the nursery at Sackett Ranch, cuts to overall education program spending (from \$750k a year to \$250k a year), and delaying several Solano Project Rehabilitation and Betterment Projects have contributed significantly to building up the ASW Fund reserves.

### **Current Budget Challenge**

Preliminary budget numbers from staff for FY 26-27 indicate a deficit of \$140,000 to the overall budget but a \$1,880,000 shortfall to the ASW Fund.

To address the ongoing structural deficit, staff have developed a tiered approach to budget reductions.

### **Tier 1 – Recommended Cuts**

Tier 1 reductions aim to reduce or eliminate non-mission critical programs or projects. Water Agency day-to-day business would be mostly unaffected by these proposed cuts. With the proposed reductions, the ASW Fund would remain \$138,770 over budget based on projected revenues. Total Tier 1 cuts would bring the overall budget to approximately \$1,807,522 under projected revenues.

These cuts still preserve much needed Rehabilitation and Betterment (R&B) projects for the Solano Project. The reason staff are adamant of staying true to mission critical costs are to bolster reserves for exactly times like this. Staff feel it is completely appropriate to dip into reserves for much needed R&B projects.

Cuts to Administration items under the ASW fund are attributed to delaying an update to the Flood Control Manual, improved efficiencies in the Water Conservation Program, restructuring our retired annuitant program and distribution of those costs to appropriate funds, and reducing our intern pool by one slot. In total, these cost savings amount to \$421,000.

Cuts to Solano Project items under the ASW fund are attributable to delaying demolition of structures at both Petersen and Sackett Ranches, refinement in costs to various R&B projects, and redistribution of potential infrastructure related upgrades to combat golden mussels, with a 50/50 split between the ASW Fund and the State Water Project fund. In total, these cost savings amount to \$822,000.

Cuts to Capital items are attributed to delaying purchase of new equipment and vehicles and redistributing costs of equipment based on project use. For example, the new Tractor and Boom Mower will be used on the Ulatis Project 75% of the time, so it is more appropriate to charge 75% of the costs to the Ulatis project. In total, these cost savings amount to \$246,292.

Cuts to the State Water Project are attributed to redistribution of charges for golden mussel prevention and for aspects of the Healthy Rivers and Landscapes program. In total, these cost savings amount to \$246,292.

There are both cuts and additions to the Ulatis Flood Control Project. Cuts have been made to some maintenance projects and additions have been made based on redistribution of equipment use costs. In total, \$27,500 was added to the Ulatis Flood Control budget.

For the Green Valley Flood Control Project, there has been an addition of \$12,500 to the budget due to redistribution of equipment use for the project.

See Table 1 for details of Tier 1 cuts.

### **Tier 2 – Not Recommended (Deeper Cuts)**

While not recommended, if the Board chooses to fully balance the ASW fund, we would need to move forward with deeper cuts.

Tier 2 proposes further reductions to R&B projects in order to fully balance the fund.

These cuts would include delaying the Penstock Assessment at Monticello Dam and a Computer Maintenance Management System to better track facilities, infrastructure, and maintenance schedules. In total, these cost savings would amount to \$190,000.

See Table 2 for details of Tier 2 cuts.

### **ASW Fund Pressures & Financial Outlook**

Nearly all ongoing Agency responsibilities—outside of the NBA Alternate Intake Project and its associated technical studies—are supported by the ASW Fund. While the Healthy Rivers and Landscapes Initiative will share costs (75% ASW / 25% SWP), the majority of strategic and operational needs draw heavily on the General Fund.

Staff have identified several financial stressors:

- Bay Delta Plan implications require increased funding for water supply protection.
- Ongoing O&M costs, flood management, and water conservation programs increase ASW burden.
- Although staff have exceeded expectations of advancing infestation controls for Golden Mussels, continued resources will be needed to protect our water supplies.
- Several Rehabilitation and Betterment (R&B) projects for the Solano Project have been delayed to conserve reserves.

### **Strategic Direction**

While education and outreach programs are valuable, recent mission expansion has diverted funding from the Agency's core mandate: protection and management of water supplies and associated facilities.

## **Proposed FY 2026–2027 Budget Overview**

The proposed FY 2026–2027 budget achieves a balanced position overall, with the proposed cuts, spending will be \$1,807,522 below revenues.

Even with the proposed cuts, the ASW Fund will dip into reserves by \$138,770. Staff believe using a minor portion of reserves from this fund are appropriate to move much needed Solano Project R&B projects forward.

## **Deferred Maintenance Risks**

Continued delay of Solano Project Rehabilitation & Betterment projects risks system failure. Staff estimate \$12 million in deferred maintenance is needed over the next three years—this amount would significantly deplete ASW reserves. Outside funding sources will be pursued, but continued funding of non-mission critical activities threatens the Agency’s ability to fulfill core infrastructure responsibilities.

## **Conclusion**

The mission of the Water Agency is to ensure sustainable, reliable, high-quality water resources and flood management for the benefit of Solano County communities. Achieving that mission requires difficult but necessary choices to reduce or eliminate funding for programs that, while valuable, fall outside core operational needs.

Staff recommend moving forward with the proposed budget cuts to preserve long-term solvency and operational integrity of the ASW Fund.

Table 1-Tier 1 Recommended Cuts

ASW FUND-ADMINISTRTRION

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6090 AC	Alliance for Water Efficiency	\$17,000	\$0		Moved to Non-Shared WC.
6090 AC	North Bay Watershed Association	\$15,000	\$0	\$15,000	
6410 AC	Computers Misc. Hardware	\$15,000	\$10,000	\$5,000	
6551 AC	WC Water Efficient Rebates	\$250,000	\$200,000	\$50,000	
	WC Eyasco Support	\$60,000	\$25,000	\$35,000	
	WC CalWEP Membership	\$8,000	\$4,000	\$4,000	50/50 Cost share with SWP.
6610 AC	Flood Control Manual Update	\$200,000	\$0	\$200,000	
6612 AC	Solano RCD Education	\$0	\$0	\$0	\$250k preserved for SWEPP Program.
Labor	Reduction in Interns	\$412,051	\$350,200	\$61,851	One Engineering intern, not two.
	Reduction for Sackett Caretaker	\$35,557	\$14,928	\$20,629	
	Reduction in Retired Annuitants	\$59,500	\$29,750	\$29,750	50/50 Cost split with SWP.
			Total	\$421,230	

ASW-SOLANO PROJECT

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6105 SC	Peterson Ranch Demo Structures	\$120,000	\$0	\$120,000	
6106 SC	Sackett Ranch Demo Structures	\$200,000	\$0	\$200,000	
6140 SC	Consultants Dive Support	\$40,000	\$30,000	\$10,000	
6166 SC	Golden Mussel Suplies	\$55,000	\$50,000	\$5,000	
6600 SC	PSC Sweeney Check Maintenance	\$40,000	\$30,000	\$10,000	
6600 SC	PSC RMA Permit Fees	\$10,000	\$3,000	\$7,000	
6618 SC	HRL Consultant Support	\$150,000	\$50,000	\$100,000	
6618 SC	HRL Modeling	\$50,000	\$0	\$50,000	
6618 SC	PC Community Education	\$90,000	\$0	\$90,000	
6620 SC	PC Salmon Festival	\$60,000	\$45,000	\$15,000	
6620 SC	Misc. Other Projects	\$20,000	\$0	\$20,000	
6690 SC	R&B PDO Gravel	\$50,000	\$30,000	\$20,000	
6690 SC	R&B Penstock Assessment	\$150,000	\$75,000	\$75,000	
6690 SC	R&B Golden Mussel Infrastructure	\$200,000	\$100,000	\$100,000	50/50 Cost share with SWP.
			Total	\$822,000	

ASW-CAPITAL

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
5500 SC	New Truck	\$80,000	\$0	\$80,000	
5500 SC	Mini Excavator	\$130,000	\$0	\$130,000	
5500 SC	Tilt Deck Airbrake Trailer	\$60,000	\$0	\$60,000	
5500 SC	Green House Repairs	\$143,000	\$45,000	\$98,000	
5500 SC	Ford F150 New Truck Engine	\$30,000	\$0	\$30,000	
5500 SC	Tractor & Boom Mower	\$125,000	\$25,000	\$100,000	Ulatis Project-75% use
			Total	\$498,000	
			Total ASW		
			Fund Savings	\$1,741,230	

STATE WATER PROJECT

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6090 N	Alliance for Water Efficiency	\$18,000	\$0	\$18,000	We already do CALWEP-WC.
6106 N	Sackett Ranch	\$126,771	\$63,386	\$63,385	Should only be 25% charged to SWP.
6690 N	Golden Mussel Toxicology Studies	\$100,000	\$0	\$100,000	Included in Invasive Species budget.
6925 N	Overhead Expenses-Sackett	\$129,814	\$64,907	\$64,907	Should only be 25% charged to SWP.
			Total	\$246,292	

ULATIS FLOOD CONTROL

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6140 U	Other Consultants	\$15,000	\$0	\$15,000	
6140 U	Bank Stabilization	\$20,000	\$30,000	\$10,000	
5500 U	Tractor & Boom Mower	\$125,000	\$187,500	\$62,500	
5500 U	Ford F-150 Engine	\$30,000	\$0	\$30,000	
			Total	\$27,500	

GREEN VALLEY FLOOD CONTROL

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6690 G	Tractor & Boom Mower	\$0	\$12,500	\$12,500	
			Total	\$12,500	

Table 2-Tier 2 Not Recommended Cuts

ASW -ADMINISTRATION

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6410 AC	Computer Misc. Hardware	\$10,000	\$5,000	\$5,000	Assumes cuts from Table 1.
			Total	\$5,000	

ASW-SOLANO PROJECT

Item/GL Code	Description	26/27 Budget	Revised Budget	Savings	Notes
6600 SC	PSC Sweeney Creek Maintenance	\$30,000	\$20,000	\$10,000	Assumes cuts from Table 1.
6690 SC	R&B Bypass Jet Valve	\$30,000	\$25,000	\$5,000	
6690 SC	R&B Radial Gate Rehab	\$250,000	\$200,000	\$50,000	
6690 SC	Computer Maint. Mgmt. System	\$50,000	\$0	\$50,000	
6690 SC	R&B Penstock Assessment	\$75,000	\$0	\$75,000	Assumes cuts from Table 1.
			Total	\$190,000	

# LEGISLATIVE UPDATES

[AB 1772](#) ([Papan, D](#)) Fish and wildlife: invasive mussels.

**Current Text:** 04/27/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/09/2026

**Last Amended:** 04/27/2026

**Status:** 04/28/2026 - Re-referred to Com. on APPR.

**Calendar:** *05/13/26 A-APPROPRIATIONS 9 a.m. - 1021 O Street, Room 1100 WICKS, BUFFY, Chair*

**Location:** 04/23/2026 - Assembly Appropriations

**Summary:** Existing law, until January 1, 2030, generally prohibits a person from possessing, importing, shipping, or transporting in the state, or from placing, planting, or causing to be placed or planted in any water in the state, invasive mussels, and authorizes the Director of Fish and Wildlife or the director’s designee to engage in various enforcement activities, including ordering the areas in conveyance that contain water be drained, dried, or decontaminated, as provided. Existing law requires a public or private agency that operates a water supply system to cooperate with the Department of Fish and Wildlife to implement measures to avoid infestation by invasive mussels and to control or eradicate any infestation that may occur in a water supply system. Existing law requires, if invasive mussels are detected, the operator of a water supply system to, in cooperation with the department, prepare and implement a plan to control or eradicate invasive mussels within the system, and eliminate or minimize any potential downstream transport of an invasive mussel. Existing law requires, on or before December 31, 2026, the department to review all approved plans and require all plans that do not specifically address all invasive mussel species known to be present in bodies of water in the state as of January 1, 2026, to be updated or revised appropriately to include all invasive mussel species, on or before September 30, 2027. Existing law requires every invasive mussel species to be addressed in a plan no later than 180 days from the date that the species is listed in a certain regulation. Existing law defines “invasive mussel” for these purposes as any nonnative detrimental mussel, as provided. Under existing law, except as otherwise provided, any violation of the Fish and Game Code, or of any rule, regulation, or order made or adopted under the code, is a crime. This bill would prohibit a conveyance from being launched until a specified drying period has completed, as provided. By expanding the scope of a crime, this bill would impose a state-mandated local program. The bill would require the department to require water supply system operators to update their plans to address all invasive mussel species present in the operator’s water system as of January 1, 2026, as provided. (Based on 04/27/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Support if Amended

[AB 1881](#) ([Ramos, D](#)) California Indian Freedom Act of 2026.

**Current Text:** 04/16/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/12/2026

**Last Amended:** 04/16/2026

**Status:** 05/06/2026 - In committee: Set, first hearing. Referred to APPR. suspense file.

**Location:** 05/06/2026 - Assembly APPR. SUSPENSE FILE

**Summary:** Existing law establishes various protections for California Native American tribes, including prohibiting a public agency or private party using or occupying public property or operating on public property from interfering with the free expression or exercise of Native American religion as provided in the United States Constitution and the California Constitution. Existing law also requires a local government to provide formal notification to each California Native American tribe that is traditionally and culturally affiliated with the project site as an invitation to consult on the proposed project, as provided. Existing law requires the local government, during the consultation, to give deference to the tribal information, tribal knowledge and customs, and the significance of the resource to the California Native American tribe. Existing law prohibits any information, as described, that is submitted by a California Native American tribe during the environmental review process from being included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, as specified, without the prior consent of the tribe that provided the information. This bill, the California Indian Freedom Act of 2026,

would prohibit a governmental agency from substantially burdening a California Indian or California Native American tribe's exercise of religious beliefs or spiritual practices on state public lands, including their access to and use of sacred sites and objects, and their ability to perform religious ceremonies and rites, even if the burden results from a rule of general applicability, unless the governmental agency demonstrates that application of the burden is in furtherance of a compelling governmental interest and is in the least restrictive means of furthering that interest. The bill would authorize a California Indian or tribe to assert a violation of these provisions as a claim or defense in any judicial or administrative proceeding, as specified. The bill would require a governmental agency to allow California Indians access to sacred sites on state public lands, as specified. (Based on 04/16/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Oppose Unless Amended

**[AB 1894](#) ([Rubio, Blanca, D](#)) Fish and wildlife: invasive mussels: imported water.**

**Current Text:** 04/16/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/12/2026

**Last Amended:** 04/16/2026

**Status:** 05/05/2026 - In Senate. Read first time. To Com. on RLS. for assignment.

**Location:** 05/05/2026 - Senate Rules

**Summary:** Existing law, until January 1, 2030, generally prohibits a person from possessing, importing, shipping, or transporting in the state, or from placing, planting, or causing to be placed or planted in any water within the state, invasive mussels, and authorizes the Director of Fish and Wildlife, or the director's designee, to engage in various enforcement activities with regard to invasive mussels. Existing law, until January 1, 2030, requires a public or private agency that operates a water supply system to cooperate with the department to implement measures to avoid infestation by invasive mussels and to control or eradicate any infestation that occurs in a water supply system. Existing law requires any person, or federal, state, or local agency, district, or authority that owns or manages a reservoir, where specified activities are permitted, except as specified, to develop and implement a program designed to prevent the introduction of invasive mussel species, as provided. Existing law requires any entity that discovers invasive mussels within the state to immediately report the discovery to the Department of Fish and Wildlife. This bill would prohibit a public agency from prohibiting imported water deliveries, as defined, for groundwater replenishment due to invasive mussels unless there is substantial, documented evidence of a proven health and safety risk as a result of the invasive mussels. (Based on 04/16/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Watch

**[AB 2045](#) ([Connolly, D](#)) Habitat Restoration and Enhancement Act.**

**Current Text:** 04/16/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/17/2026

**Last Amended:** 04/16/2026

**Status:** 05/06/2026 - In committee: Set, first hearing. Referred to APPR. suspense file.

**Location:** 05/06/2026 - Assembly APPR. SUSPENSE FILE

**Summary:** The Habitat Restoration and Enhancement Act authorizes a project proponent to submit a habitat restoration or enhancement project to the Director of Fish and Wildlife for approval. Under the act, a habitat restoration or enhancement project is a project with the primary purpose of improving fish and wildlife habitat. The act requires the director to approve a habitat restoration or enhancement project if the director determines that specified conditions are met. Under the act, the director's approval of a habitat restoration or enhancement project is in lieu of any other permit, agreement, license, or other approval issued by the Department of Fish and Wildlife. The act makes moneys in the Habitat Restoration and Enhancement Account available to the department, upon appropriation by the Legislature, for the purposes of administering and implementing the act. Existing law repeals the act on January 1, 2027. This bill would extend the operation of the act until January 1, 2032, and would require

the department to submit a report on the implementation of the act to the Legislature no later than December 31, 2029. (Based on 04/16/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

**Attachments:**

[SCWA AB 2045 SUPPORT AA 050426.docx](#)

Organization	Position
Solano County Water Agency	Favor

**[AB 2215](#) ([Calderon, D](#)) **Water rights: permits: State Water Project.****

**Current Text:** 04/16/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/19/2026

**Last Amended:** 04/16/2026

**Status:** 04/30/2026 - Read second time. Ordered to third reading.

**Calendar:** [05/07/26 #149 A-THIRD READING FILE - ASSEMBLY BILLS](#)

**Location:** 04/30/2026 - Assembly THIRD READING

**Summary:** The Department of Water Resources operates the State Water Resources Development System, commonly referred to as the State Water Project.

Existing law requires that construction work for a project that will put appropriated water to beneficial use be commenced, prosecuted with due diligence, and completed within the time period specified in the water right permit. Existing law authorizes the State Water Resources Control Board to extend the deadline specified in the permit to commence or complete construction work and to put appropriated water to beneficial use for good cause shown. This bill would require that the time periods for the application of water to beneficial use and for the completion of construction work for specific water right permits held by the Department of Water Resources for the operation of the State Water Project be December 31, 2046. (Based on 04/16/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Support

**[AB 2216](#) ([Aguiar-Curry, D](#)) **Sacramento-San Joaquin Delta Conservancy.****

**Current Text:** 04/06/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/19/2026

**Last Amended:** 04/06/2026

**Status:** 04/22/2026 - In committee: Set, first hearing. Referred to APPR. suspense file.

**Location:** 04/22/2026 - Assembly APPR. SUSPENSE FILE

**Summary:** Existing law establishes in the Natural Resources Agency the Sacramento-San Joaquin Delta Conservancy. Existing law requires the conservancy to act as a primary state agency to implement ecosystem restoration in the Delta and to support efforts that advance environmental protection and the economic well-being of Delta residents. Existing law specifies the composition of the governing board of the conservancy and requires liaison advisers to serve in an advisory, nonvoting capacity. Existing law requires the conservancy to prepare and adopt a strategic plan to achieve the goals of the conservancy and requires the strategic plan to be consistent with certain plans. Existing law authorizes the conservancy to engage in partnerships with nonprofit organizations, local public agencies, and landowners, and authorizes the conservancy to provide grants and loans to state agencies, local public agencies, and nonprofit organizations to further the goals of the conservancy. Existing law establishes the Sacramento-San Joaquin Delta Conservancy Fund in the State Treasury. Existing law makes moneys in the fund available, upon appropriation by the Legislature, for purposes of these provisions. This bill would expand the area covered by the conservancy to include the Valley, as defined. The bill would rename the conservancy the Valley and Delta Conservancy, rename the Sacramento-San Joaquin Delta Conservancy Fund the Valley and Delta Conservancy Fund, and make conforming changes. (Based on 04/06/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Favor

**[AB 2218](#) ([Kalra, D](#)) Water policy: California Native American tribes.**

**Current Text:** 04/16/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 02/19/2026

**Last Amended:** 04/16/2026

**Status:** 05/06/2026 - In committee: Set, first hearing. Referred to APPR. suspense file.

**Location:** 05/06/2026 - Assembly APPR. SUSPENSE FILE

**Summary:** Would require the state government to support California Native Americans to maintain cultural and linguistic traditions, practice ecosystem stewardship, and engage in good faith government-to-government consultations with all California Native American tribes regarding policies that may affect tribal communities. (Based on 04/16/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

**Attachments:**

[AB 2218 \(Kalra\) Fact Sheet.pdf](#)

Organization	Position
Solano County Water Agency	Oppose

**[AB 2569](#) ([Hart, D](#)) California Environmental Quality Act: natural hazards and adverse environmental conditions.**

**Current Text:** 02/20/2026 - Introduced [HTML](#) [PDF](#)

**Introduced:** 02/20/2026

**Status:** 04/29/2026 - In committee: Set, first hearing. Referred to APPR. suspense file.

**Location:** 04/29/2026 - Assembly APPR. SUSPENSE FILE

**Summary:** The California Environmental Quality Act (CEQA) requires a lead agency, as defined, to prepare, or cause to be prepared, and certify the completion of an environmental impact report (EIR) on a project that it proposes to carry out or approve that may have a significant effect on the environment or to adopt a negative declaration if it finds that the project will not have that effect. CEQA also requires a lead agency to prepare a mitigated negative declaration for a project that may have a significant effect on the environment if revisions in the project would avoid or mitigate that effect and there is no substantial evidence that the project, as revised, would have a significant effect on the environment. This bill would expand those definitions to include impacts on people, as specified. The bill would additionally require the lead agency to include in the EIR a detailed statement on any significant effects that may result from locating the proposed project near, or attracting people to, existing or reasonably foreseeable natural hazards or adverse environmental conditions. Because the lead agency would be required to undertake this additional consideration, the bill would impose a state-mandated local program. This bill contains other related provisions and other existing laws. (Based on 02/20/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Not Favor

**[ACA 11](#) ([Macedo, R](#)) California Water Resiliency Act.**

**Current Text:** 03/24/2025 - Introduced [HTML](#) [PDF](#)

**Introduced:** 03/24/2025

**Status:** 03/25/2025 - From printer. May be heard in committee April 24.

**Location:** 03/24/2025 - Assembly PRINT

**Summary:** This measure, the California Water Resiliency Act, would require the Treasurer to annually transfer an amount equal to 1% of all state revenues from the General Fund to the Water Conveyance and Capacity Infrastructure Fund, which the measure would create. The measure would continuously appropriate moneys in the

fund to the California Water Commission for its actual costs of implementing these provisions and for administering grants for the entitlement, repair, design, and construction of water infrastructure projects that will maintain or expand the availability of clean, safe drinking water for homes and businesses, and water for agricultural uses, consistent with area of origin water rights. (Based on 03/24/2025 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Favor

**[SB 872](#) ([McNerney, D](#)) Delta Levees and Canal Subsidence Fund.**

**Current Text:** 04/14/2026 - Amended [HTML](#) [PDF](#)

**Introduced:** 01/06/2026

**Last Amended:** 04/14/2026

**Status:** 04/27/2026 - April 27 hearing: Placed on APPR. suspense file.

**Location:** 04/27/2026 - Senate APPR. SUSPENSE FILE

**Summary:** The Sacramento-San Joaquin Delta Reform Act of 2009 declares that the Sacramento-San Joaquin Delta (Delta) is a critically important natural resource for California and the nation and it serves as both the hub of the California water system and the most valuable estuary and wetland ecosystem on the west coast of North and South America. Existing law establishes in the Natural Resources Agency the Department of Water Resources. Existing law requires the department and the Department of Fish and Wildlife to determine the principal options for the Delta and requires the department to evaluate and comparatively rate each option for its ability to do specified things, including, among others, to maintain Delta water quality for Delta users, and to preserve, protect, and improve Delta levees. Existing law establishes in the agency the Sacramento-San Joaquin Delta Conservancy. Existing law requires the conservancy to act as a primary state agency to implement ecosystem restoration in the Delta and to support efforts that advance environmental protection and the economic well-being of Delta residents. Existing law provides for the preservation of specified management areas of the Suisun Marsh, pursuant to a protection plan prepared and adopted by the San Francisco Bay Conservation and Development Commission, as provided. This bill would establish the Delta Levees and Canal Subsidence Fund in the State Treasury and, upon appropriation, would make the moneys in the fund available to the Secretary of the Natural Resources Agency for expenditure consistent with the allocations described below. The bill would authorize the secretary to seek out, and the fund to accept, state moneys from, among other sources, any bond funds, the General Fund, or the Greenhouse Gas Reduction Fund. The bill would authorize the fund to accept moneys from nonstate sources, including federal and private moneys, and would continuously appropriate those moneys without regard to fiscal year, for allocation as described below, thereby making an appropriation. The bill would require the secretary to allocate moneys in the fund, through the 2046–47 fiscal year, subject to funding availability, as follows: (1) in the amount of \$150,000,000, annually, to the Department of Water Resources for the purposes of supporting capital improvements to restore the original design water conveyance capacity for state water conveyance systems, as defined, impacted operationally by land subsidence, and (2) in the amount of \$150,000,000, annually, to the conservancy for projects in the Delta or Suisun Marsh to improve existing levees, as specified. (Based on 04/14/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Support

**[SB 935](#) ([Choi, R](#)) Local agency design-build projects: authorization.**

**Current Text:** 01/29/2026 - Introduced [HTML](#) [PDF](#)

**Introduced:** 01/29/2026

**Status:** 05/04/2026 - Referred to Com. on L. GOV.

**Location:** 05/04/2026 - Assembly Local Government

**Summary:** Current law authorizes a local agency, as defined, with approval of its governing body, to procure design-build contracts for public works projects in excess of \$1,000,000, awarding the contract either to the lowest bid or the best value. Current law, among other requirements for the design-build procurement process, requires

specified information submitted by a design-build entity to be certified under penalty of perjury. These provisions authorizing local agencies to use the design-build procurement process are repealed on January 1, 2031. This bill would repeal the above-described January 1, 2031, repeal date, thereby extending the operation of these provisions indefinitely. (Based on 01/29/2026 text)

**Is Urgency:** N

**Is Fiscal:** Y

Organization	Position
Solano County Water Agency	Favor

Total Measures: 11

Total Tracking Forms: 11

# WATER POLICY UPDATES