



**BOARD OF DIRECTORS:**

**Chair:**  
Director Dale Crossley  
Reclamation District No. 2068

**Vice Chair:**  
Supervisor Jim Spering  
Solano County District 3

Mayor Steve Young  
City of Benicia

Mayor Steve Bird  
City of Dixon

Mayor Harry Price  
City of Fairfield

Director Ryan Mahoney  
Maine Prairie Water District

Mayor Ron Kott  
City of Rio Vista

Supervisor Erin Hannigan  
Solano County District 1

Supervisor Monica Brown  
Solano County District 2

Supervisor John Vasquez  
Solano County District 4

Supervisor Mitch Mashburn  
Solano County District 5

Director J.D. Kluge  
Solano Irrigation District

Mayor Lori Wilson  
City of Suisun City

Mayor Ron Rowlett  
City of Vacaville

Mayor Robert McConnell  
City of Vallejo

**GENERAL MANAGER:**

Roland Sanford  
Solano County Water Agency

## BOARD OF DIRECTORS MEETING

**DATE:** Thursday, December 9, 2021

**TIME:** 6:30 P.M.

**PLACE:** Virtual Meeting – Zoom Meeting

**Join Zoom Meeting:**

<https://us02web.zoom.us/j/83191863504?pwd=UWhPZEVVbHU1bzRTWEliQkhFRGljQT09>

Meeting ID: 831 9186 3504/Passcode: 932913

One tap mobile: +16699009128,,83191863504#,,, \*932913#

Dial by your location: +1 669 900 9128 US

**1. REMOTE MEETING**

In Compliance with Government Code Section 54953(e) added by Assembly Bill 361, and consistent with the findings made by the Solano County Water Agency Board of Directors in accordance therewith, members of the Solano County Water Agency Board of Directors and members of the public will participate in this meeting by teleconference. Per AB 361, the Board is to reconsider the circumstances of the state of emergency and determine that: (i) the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or (ii) State or local officials continue to impose or recommend measures to promote social distancing.

**2. CALL TO ORDER**

**3. PLEDGE OF ALLEGIANCE**

**4. APPROVAL OF AGENDA**

**5. PUBLIC COMMENT**

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

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



- (A) Minutes: Approval of the Minutes of the Board of Directors meeting of November 11, 2021.
- (B) Expenditure Approvals: Approval of the November 2021 checking account register.
- (C) State Water Project Tolling Agreement Amendment: Authorize General Manager to execute ninth amendment to Tolling Waiver Agreement with California Department of Water Resources for resolution of disputed State Water Project charges.

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

RECOMMENDATION: For information only.

10. **LAKE BERRYESSA BOATER OUTREACH** *(estimated time: 25 minutes)*

RECOMMENDATIONS:

1. Hear presentation on 2021 Lake Berryessa invasive mussel prevention program.
2. Hear update on property search for permanent boat inspection and decontamination station, and provide direction to staff.

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

RECOMMENDATIONS:

1. Hear report from Committee Chair on activities of the SCWA Legislative Committee.
2. Hear report from Bob Reeb of Reeb Government Relations, LLC.

12. **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 from Supervisors Vasquez and Mashburn on activities of the Delta Counties Coalition, Delta Protection Commission, and Delta Conservancy.
4. Hear report from Elizabeth Patterson on activities of the North Bay Watershed Association (see <https://www.nbwatershed.org> for additional information).

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

Thursday, January 13, 2022 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 203, Vacaville, CA 95688. Upon request, these materials may be made available in an alternative format to persons with disabilities.

# CONSENT ITEMS

**SOLANO COUNTY WATER AGENCY  
BOARD OF DIRECTORS MEETING MINUTES  
MEETING DATE: November 11, 2021**

The Solano County Water Agency Board of Directors met this evening via Zoom teleconferencing, in deference to the ongoing State and County COVID-19 “shelter in place” directives. Present were:

Vice-Mayor Tom Campbell, City of Benicia  
Mayor Steve Bird, City of Dixon  
Mayor Harry Price, City of Fairfield  
Mayor Ronald Kott, City of Rio Vista  
Mayor Ron Rowlett, City of Vacaville  
Mayor Robert McConnell, City of Vallejo  
Mayor Lori Wilson, City of Suisun City  
Supervisor Erin Hannigan, Solano County District 1  
Supervisor Monica Brown, Solano County District 2  
Supervisor Jim Spering, Solano County District 3  
Supervisor John Vasquez, Solano County District 4  
Supervisor Mitch Mashburn, Solano County District 5  
Director Dale Crossley, Reclamation District No. 2068  
Director J.D. Kluge, Solano Irrigation District

**CALL TO ORDER**

The meeting was called to order by Chair Crossley at 6:30 pm.

**REMOTE MEETING**

In Compliance with Government Code Section 54953(e) added by Assembly Bill 361, and consistent with the findings made by the Solano County Water Agency Board of Directors in accordance therewith, members of the Solano County Water Agency Board of Directors and members of the public participated in this meeting by teleconference. Per AB 361, the Board is to reconsider the circumstances of the state of emergency and determine that: (i) the state of emergency continues to directly impact the ability of the members to meet safely in person; and/or (ii) State or local officials continue to impose or recommend measures to promote social distancing. The Board unanimously approved-by roll call vote-that both (i) and (ii) to be true and to continue the meeting by teleconference.

**APPROVAL OF AGENDA**

On a motion by Vice-Mayor Campbell and a second by Supervisor Brown the Board unanimously approved – by roll call vote - the agenda.

**PUBLIC COMMENT**

There were no public comments.

**CONSENT ITEMS**

Director Crossley requested a correction to the November 11, 2021 minutes: references to “AB 155” be changed “SB 155”. On a motion by Supervisor Hannigan and a second by Supervisor Spering the Board unanimously approved – by roll call vote – the following consent items, including the corrections to the November 11, 2021 minutes requested by Director Crossley:

- (A) Minutes
- (B) Expenditure Approvals
- (C) Quarterly Financial Reports
- (D) Approve Resolution Number 2021-05 for Fiscal Year 2021-2022 State Appropriations
- (E) Water Exchange/ Transfer Policy-Definition of Harm
- (F) Participation in Federal Surplus Personal Property Program
- (G) Authorize Purchase of Ford F550 Truck
- (H) Authorize Purchase of John Deere 410L Backhoe Loader
- (I) Putah South Canal Emergency Repair

### **BOARD MEMBER REPORTS**

Director Crossley reported that a Virtual Town Hall meeting to discuss the Solano Subbasin Groundwater Sustainability Plan was held on November 9, 2021 and was well attended. Director Crossley also reported that he had heard a presentation by San Francisco Bay Area Cleanup Boating on protocols for handling bilge pumps and sewage disposal. He noted the presentation was informative and applicable to boaters at Lake Berryessa.

Assistant General Manager Chris Lee stated that in December staff will make a Board presentation on the Lake Berryessa Mussel Education and Prevention Program, which will include a discussion of the ongoing bilge cleanup program at Lake Berryessa.

### **GENERAL MANAGER'S REPORT**

In addition to his written report, General Manager Roland Sanford announced that the Agency recently hired Elise Shtayyeh to assist with the ongoing water conservation programs, and Max Stevenson, who will be replacing Rich Marovich, the soon to be retired Putah Creek Streamkeeper.

### **SOLANO WATER ADVISORY COMMISSION**

In addition to the meeting notes included in the Board's Agenda packet, Kyle Ochendusko, City of Benicia Deputy Public Works Director and Chair of the Solano Water Advisory Commission, reported that Commission members have been discussing the water supply outlook for 2022 and the potential water supply ramifications associated with the California Department of Water Resources tentative plans to install additional salinity barriers in the Delta. Mr. Ochendusko observed that the recent storms, while very much welcomed, did not end the drought.

### **DROUGHT UPDATE**

General Manager Roland Sanford gave a brief presentation on current and predicted drought conditions. He noted that the recent storms increased Lake Berryessa storage by 45,000 acre-feet, which almost guarantees full water supply allocations from Lake Berryessa in 2022. On the other hand, he noted that due to the lack of significant snowfall in the Sierras and abnormally low reservoir storage, the outlook for the State Water Project remains bleak.

Mr. Sanford also reported that for the moment, the State Water Resources Control Board has lifted the water diversion Curtailment Order for the Sacramento-San Joaquin drainage, but that the Curtailment Order could be reinstated if the region returns to a dry weather pattern in the next few weeks.

Mr. Sanford concluded his presentation by observing that in September, prior to the October storms, it was anticipated that the Governor would invoke Statewide mandatory water conservation by late Fall, but that to date, other than expanding his Drought Emergency Declaration to include additional Counties, the Governor continues to call for 15 percent voluntary conservation.

### **LEGISLATIVE UPDATES**

Director Crossley stated that there was no Legislative Committee meeting in October, but that staff and Committee members had met with Assemblymember Aguiar-Curry via Zoom. He commented that it was a productive meeting and that Assemblymember Aguiar-Curry was very interested in the NBA Alternate Intake Project (aka "Water +"). Supervisor Hannigan, who also participated in the meeting with Assemblymember Aguiar-Curry, commented that Assemblymember Aguiar-Curry is familiar with and enthusiastically supports the NBA Alternate Intake Project.

In addition to his previously submitted written report; Mr. Bob Reeb, the Water Agency's Legislative Advocate, summarized the highlights of the recently concluded State Legislative session and observed that the budget surplus – on the order of 25 billion dollars – has increased the "appetite" for additional one-time expenditures by the State in 2022. He expressed hope that the State Capital will reopen to in-person meetings in January.

**WATER POLICY UPDATES**

1. Staff had nothing to report regarding emerging Delta and Water Policy issues.
2. Director Crossley reported that the Water Policy Committee met and crafted a proposed definition of “harm” for the Water Exchange/Transfer Policy.
3. Supervisor Mashburn reported that the Delta Counties Coalition will be meeting with State Natural Resources Secretary Crowfoot on November 18 to discuss a variety of topics, including SB 155 and the possible installation of salinity barriers in the Delta, should the drought continue into 2022.
4. Elizabeth Patterson briefed the Board on the recent “State of the Estuary” virtual conference and the most recent North Bay Watershed Association (NBWA) meeting. She explained that the Estuary Partnership, which hosted the State of the Estuary virtual conference, is focused on the ecological health of the San Francisco Bay-Delta Estuary and that recent efforts to improve and sustain estuary habitat were discussed at the conference. She also noted that environmental justice issues and collaborations with Native American tribes were highlighted during the conference. Ms. Patterson then discussed the NBWA’s “One Water” initiative, and as an example of the One Water concept, provided information regarding a recently constructed stormwater management project in Colma that incorporates multiple water management objectives. In concluding her presentation, Ms. Patterson briefly described the Sonoma Water Energy Education Program for school-age kids in Sonoma County and suggested Water Agency staff and/or Solano Resource Conservation District Staff make a presentation to the Water Agency Board on Solano’s ongoing water education programs.

**TIME AND PLACE OF NEXT MEETING**

Thursday, December 9, 2021, at 6:30 p.m., SCWA offices in Vacaville.

**ADJOURNMENT**

This meeting of the Solano County Water Agency Board of Directors was adjourned at 7:21 p.m.

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Roland Sanford  
General Manager & Secretary to the  
Solano County Water Agency

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: December 9, 2021

SUBJECT: Expenditures Approval

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RECOMMENDATIONS:


Approve expenditures from the Water Agency checking accounts for November 2021.

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 November 2021. Additional backup information is available upon request.

Recommended:   
Roland Sanford, General Manager

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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, Roland Sanford, 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 December 9, 2021, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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Roland Sanford  
General Manager & Secretary to the  
Solano County Water Agency

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
For the Period From Nov 1, 2021 to Nov 30, 2021

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

<b>Date</b>	<b>Check #</b>	<b>Account ID</b>	<b>Line Description</b>	<b>Debit Amount</b>	<b>Credit Amount</b>
11/1/21	EFT	2020SC 1020SC	Invoice: NOV 2021 HEALTH CALPERS	22,830.97	22,830.97
11/2/21	36704	2020SC 1020SC	Invoice: 13927 ZACHARIAH WILKERSON	27,501.69	27,501.69
11/2/21	36705	2020SC 1020SC	Invoice: 102021 BELIA MARTINEZ	640.00	640.00
11/2/21	36706	2020SC 1020SC	Invoice: 3744301 AMERICAN TOWER CORPORATION	682.95	682.95
11/2/21	36707	2020SC 2020SC 1020SC	Invoice: EXP REIMB SEPT 2021 Invoice: EXP REIMB OCT 2021 JEFF BARICH	53.00 81.00	134.00
11/2/21	36708	2020SC 1020SC	Invoice: 14164353 COLIAS CALPERS LONG-TERM CARE PROGRAM	778.99	778.99
11/2/21	36709	2020SC 1020SC	Invoice: 5081397795 CINTAS CORPORATION	139.75	139.75
11/2/21	36710	2020SC 1020SC	Invoice: 1718524 COUNTY OF YOLO	23.25	23.25
11/2/21	36711	2020SC 1020SC	Invoice: 2022 MEMBERSHIP CSDA MEMBER SERVICES	8,420.00	8,420.00
11/2/21	36712	2020N 2020SC 2020SC 1020SC	Invoice: 22-076-V SEP 2021 Invoice: 21-026-T OCT 2021 Invoice: 21-024-O OCT 2021 DEPARTMENT OF WATER RESOURCES	100,117.00 505,925.00 245.00	606,287.00
11/2/21	36713	2020SC 1020SC	Invoice: 9089438825 GRAINGER	25.95	25.95
11/2/21	36714	2020SC 1020SC	Invoice: 25728 HARVEST SANITATION	363.00	363.00
11/2/21	36715	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 3012663 Invoice: 0201550 Invoice: 6024214 Invoice: 6024215 Invoice: 2014075 Invoice: 1014200 Invoice: 0014363 Invoice: 7014700 Invoice: 3261990 Invoice: 3261991 Invoice: 3015278 Invoice: 9643499 Invoice: 8015868 Invoice: 8015867 HOME DEPOT CREDIT SERVICE	32.31 219.87 293.45 7.00 142.92 525.91 812.20 34.78 99.14 74.14 290.86 1,013.61 374.99 23.52	3,944.70
11/2/21	36716	2020SC 1020SC	Invoice: 1X249943 HORIZON DISTRIBUTORS, INC.	104.65	104.65
11/2/21	36717	2020SC 1020SC	Invoice: CL01232 INTERSTATE OIL COMPANY	423.47	423.47
11/2/21	36718	2020SC 1020SC	Invoice: 75160 IRRIGATION SUPPLY COMPANY	60.64	60.64
11/2/21	36719	2020SC	Invoice: 0117309	96.00	

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		1020SC	DARYL SISCO		96.00
11/2/21	36720	2020SC 1020SC	Invoice: 001349326 KLEINFELDER	118.75	118.75
11/2/21	36721	2020SC 1020SC	Invoice: EXP REIM SEPT 2021 PHILIP MAILLARD	461.44	461.44
11/2/21	36722	2020SC 1020SC	Invoice: JUL - SEP 2021 PUTAH CREEK COUNCIL	50,035.81	50,035.81
11/2/21	36723	2020SC 1020SC	Invoice: 3438289 SHELDON(Energy Services)	94.11	94.11
11/2/21	36724	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 2934652441 Invoice: 2936735381 Invoice: 2941316331 Invoice: 2946153751 STAPLES	54.98 131.87 80.28 261.80	528.93
11/2/21	36725	2020SC 1020SC	Invoice: EXP REIM SEPT 2021 DEEPA TEWARI	577.92	577.92
11/2/21	36726	2020SC 1020SC	Invoice: DIANE DELANEY DIANE DELANEY	1,000.00	1,000.00
11/2/21	36727	2020SC 1020SC	Invoice: KATHRYN HILDENBRAND KATHRYN HILDENBRAND	1,000.00	1,000.00
11/2/21	36728	2020SC 1020SC	Invoice: LEOTA KUZMA LEOTA KUZMA	50.00	50.00
11/2/21	36729	2020SC 1020SC	Invoice: TOM MARKLE THOMAS MARKLE	1,000.00	1,000.00
11/2/21	36730	2020SC 1020SC	Invoice: SUSAN MUELLER SUSAN MUELLER	1,000.00	1,000.00
11/2/21	36731	2020SC 1020SC	Invoice: JOSEPH STEWART JOSEPH STEWART	50.00	50.00
11/2/21	36732	2020SC 1020SC	Invoice: CHRISTOPHER WINCHELL CHRISTOPHER WINCHELL	50.00	50.00
11/2/21	36733	2020SC 1020SC	Invoice: 9891552362 VERIZON WIRELESS	1,972.77	1,972.77
11/2/21	36734	2020SC 1020SC	Invoice: 415 JOHN B WHITCOMB	4,332.00	4,332.00
11/2/21	36735	2020SC 1020SC	Invoice: 1750 WETLAND CONSTRUCTION INC.	25,500.00	25,500.00
11/2/21	36736	2020SC 1020SC	Invoice: 150753 WOOD RODGERS, INC.	825.00	825.00
11/2/21	36737	2020SC 1020SC	Invoice: 32 YOLO COUNTY RCD	21,239.59	21,239.59
11/5/21	EFT	2020SC 1020SC	Invoice: 61162 ONEPOINT HUMAN CAPITAL MANAGEMENT LLC	475.10	475.10
11/9/21	36738	2020SC 2020SC 1020SC	Invoice: 0675218 Invoice: 0676820 ACWA JOINT POWERS INSURANCE AUTHORITY	1,764.66 1,764.66	3,529.32
11/9/21	36739	2020SC	Invoice: EXP REIM OXT 2021	105.50	

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		1020SC	KATHERINE ASHLEY		105.50
11/9/21	36740	2020SC 1020SC	Invoice: SE03978 BSK ASSOCIATES	974.00	974.00
11/9/21	36741	2020SC 2020SC 1020SC	Invoice: 1720563 Invoice: 1721011 COUNTY OF YOLO	480.00 20.00	500.00
11/9/21	36742	2020U 1020SC	Invoice: OCT 2021 JAMES B. DEROSE	3,151.11	3,151.11
11/9/21	36743	2020SC 1020SC	Invoice: 58589 EMPLOYEE BENEFIT LAW GROUP	747.50	747.50
11/9/21	36744	2020SC 1020SC	Invoice: 8526994 TIAA BANK	1,378.46	1,378.46
11/9/21	36745	2020SC 2020SC 2020SC 1020SC	Invoice: 7-533-32715 Invoice: 9-610-59104 Invoice: 7-555-86218 FEDEX EXPRESS	102.60 6.75 117.33	226.68
11/9/21	36746	2020SC 1020SC	Invoice: 380-0003925 GHD, INC.	9,005.40	9,005.40
11/9/21	36747	2020N 1020SC	Invoice: 1121-2 JEFFREY J JANIK	1,050.00	1,050.00
11/9/21	36748	2020SC 1020SC	Invoice: MCC-1211010447 LA RANCHERA	3,580.00	3,580.00
11/9/21	36749	2020SC 1020SC	Invoice: 62000399835 LES SCHWAB TIRE CENTER	1,040.53	1,040.53
11/9/21	36750	2020SC 1020SC	Invoice: OCT 2021 MILLENNIUM TERMITE & PEST	51.00	51.00
11/9/21	36751	2020SC 1020SC	Invoice: 9/22/21-10/20/21 PACIFIC GAS & ELECTRIC CO,	13.54	13.54
11/9/21	36752	2020SC 1020SC	Invoice: 01167568 RECOLOGY HAY ROAD	65.00	65.00
11/9/21	36753	2020SC 1020SC	Invoice: WCP-222 RICHARD HEATH & ASSOCIATES, INC.	6,985.00	6,985.00
11/9/21	36754	2020SC 1020SC	Invoice: 1501 DOUG NOLAN	3,500.00	3,500.00
11/9/21	36755	2020SC 1020SC	Invoice: 10312111 SHANDAM CONSULTING	3,652.50	3,652.50
11/9/21	36756	2020SC 1020SC	Invoice: 3533965 SHELDON(Energy Services)	17.18	17.18
11/9/21	36757	2020SC 1020SC	Invoice: 2021-03 MICHAEL A. MELANSON	9,750.00	9,750.00
11/9/21	36758	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 72944 Invoice: 28120 Invoice: 72981 Invoice: 72999 Invoice: 73127 Invoice: 73144 SUISUN VALLEY FRUIT GROWERS AS	55.39 155.91 146.47 82.73 241.75 211.50	893.75

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11/9/21	36759	2020SC 1020SC	Invoice: BAWMRP#44 THINKING GREEN CONSULTANTS	625.00	625.00
11/9/21	36760	2020SC 1020SC	Invoice: 300491185 TRACTOR SUPPLY CREDIT PLAN	243.02	243.02
11/9/21	36761	2020SC 1020SC	Invoice: MICHAEL AKKERMAN MICHAEL AKKERMAN	1,000.00	1,000.00
11/9/21	36762	2020SC 1020SC	Invoice: NICOLE BAGLIN NICOLE BAGLIN	1,000.00	1,000.00
11/9/21	36763	2020SC 1020SC	Invoice: ROBERT CABRERA ROBERT CABRERA	1,000.00	1,000.00
11/9/21	36764	2020SC 1020SC	Invoice: VINCENT CARDOZA VINCENT CARDOZA	772.00	772.00
11/9/21	36765	2020SC 1020SC	Invoice: DALE CHRISTMAN DALE CHRISTMAN	1,000.00	1,000.00
11/9/21	36766	2020SC 1020SC	Invoice: JOSEPH CORMIER-KNOPP JOSEPH CORMIER-KNOPP	1,000.00	1,000.00
11/9/21	36767	2020SC 1020SC	Invoice: CALVIN PAYNE CALVIN PAYNE	583.00	583.00
11/9/21	36768	2020SC 1020SC	Invoice: HELGA GARCIA HELGA GARCIA	1,000.00	1,000.00
11/9/21	36769	2020SC 1020SC	Invoice: STEVE GARGER STEPHEN GARGER	1,000.00	1,000.00
11/9/21	36770	2020SC 1020SC	Invoice: HELENE HAROUTINIAN HELENE HAROUTINIAN	1,000.00	1,000.00
11/9/21	36771	2020SC 1020SC	Invoice: ANDREW JARMEL ANDREW JARMEL	1,000.00	1,000.00
11/9/21	36772	2020SC 1020SC	Invoice: JONATHAN HENSLEY JONATHAN HENSLEY	1,000.00	1,000.00
11/9/21	36773	2020SC 1020SC	Invoice: JESSICA KALENIK JESSICA KALENIK	937.00	937.00
11/9/21	36774	2020SC 1020SC	Invoice: JOHN LAZAR JOHN LAZAR	1,000.00	1,000.00
11/9/21	36775	2020SC 1020SC	Invoice: MICHAEL LUJAN MICHAEL LUJAN	1,000.00	1,000.00
11/9/21	36776	2020SC 1020SC	Invoice: JULITA MOSLEY JULITA MOSLEY	1,000.00	1,000.00
11/9/21	36777	2020SC 1020SC	Invoice: WADE W &GRETCHEN PAR WADE W & GRETCHEN PARMETER IRREV TRUST	1,000.00	1,000.00
11/9/21	36778	2020SC 1020SC	Invoice: SHANNON RAMIREZ SHANNON RAMIREZ	900.00	900.00
11/9/21	36779	2020SC 1020SC	Invoice: DENISE RANSOM DENISE RANSOM	1,000.00	1,000.00
11/9/21	36780	2020SC	Invoice: SANMUGA	1,000.00	

**SOLANO COUNTY WATER AGENCY**  
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		1020SC	SIVASANKAVAN SANMUGA SIVASANKAVAN		1,000.00
11/9/21	36781	2020SC 1020SC	Invoice: MAUREEN TALBOT MAUREEN TALBOT	1,000.00	1,000.00
11/9/21	36782	2020SC 1020SC	Invoice: DANIEL TAVERA DANIEL TAVERA	1,000.00	1,000.00
11/9/21	36783	2020SC 1020SC	Invoice: BEREKET TEWELDE BEREKET TEWELDE	894.00	894.00
11/9/21	36784	2020SC 1020SC	Invoice: GWENDOLYN VALES GWENDOLYN VALES	575.00	575.00
11/9/21	36785	2020SC 1020SC	Invoice: SILVIO VERBIS SILVIO VERBIS	1,000.00	1,000.00
11/9/21	EFT	2020SC 1020SC	Invoice: 61367 ONEPOINT HUMAN CAPITAL MANAGEMENT LLC	54.40	54.40
11/12/21	EFT	2020SC 1020SC	Invoice: 24253261 PAYCHEX	137.50	137.50
11/13/21	EFT 11.13.2021	6012AC 2024AC 1020SC	EMPLOYER LIABILITIES PPE 11.13.2021 EMPLOYEE LIABILITIES PPE 11.13.2021 PAYROLL TAXES	1,528.22 17,483.16	19,011.38
11/16/21	36533V	2020SC 1020SC	Invoice: 2017-309 WATERSMART INNOVATIONS	2,500.00	2,500.00
11/16/21	36786	2020SC 1020SC	Invoice: 2021052-006 DYNAMIC PLANNING, LLC	520.00	520.00
11/16/21	36787	2020SC 1020SC	Invoice: 5292 EYASCO, INC.	35,447.63	35,447.63
11/16/21	36788	2020SC 1020SC	Invoice: CAVAC74679 FASTENAL COMPANY	279.85	279.85
11/16/21	36789	2020SC 2020SC 1020SC	Invoice: 9091636796 Invoice: 9097870985 GRAINGER	2,059.80 489.92	2,549.72
11/16/21	36790	2020SC 1020SC	Invoice: 1604A HAUGHN & SON TIRE SERVICE INC	123.39	123.39
11/16/21	36791	2020N 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 101226 Invoice: 101225 Invoice: 101224 Invoice: 101223 Invoice: 101222 Invoice: 101221 Invoice: 101220 Invoice: 101219 HERUM/ CRABTREE/ SUNTAG	6,759.70 1,081.82 241.74 471.24 201.45 201.45 201.45 402.90	9,561.75
11/16/21	36792	2020SC 2020SC 1020SC	Invoice: SEPT 2021 COVID Invoice: OCT COVID LEE, CHRISTOPHER R.	75.00 75.00	150.00
11/16/21	36793	2020SC 1020SC	Invoice: 576180 M&M SANITARY LLC	140.00	140.00
11/16/21	36794	2020SC 2020SC	Invoice: 210134 Invoice: 210142	108.13 269.66	

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		1020SC	MARTIN'S METAL FABRICATION &		377.79
11/16/21	36795	2020SC 1020SC	Invoice: OH83084 NORTHBAY HEALTHCARE GROUP OCC HEALTH DE	240.00	240.00
11/16/21	36796	2020SC 1020SC	Invoice: O-69913-21 PACIFIC COAST SEED, INC.	229.85	229.85
11/16/21	36797	2020SC 1020SC	Invoice: 1163058 PAPE MACHINERY	2,132.44	2,132.44
11/16/21	36798	2020SC 1020SC	Invoice: 6703 PAT DAVIS DESIGN GROUP, INC	570.00	570.00
11/16/21	36799	2020SC 1020SC	Invoice: 48496913 RECOLOGY VACAVILLE SOLANO	269.20	269.20
11/16/21	36800	2020SC 1020SC	Invoice: 1202 RW EQUIPMENT REPAIR	571.20	571.20
11/16/21	36801	2020SC 2020SC 1020SC	Invoice: 0029686 Invoice: 0029687 SOLANO IRRIGATION DISTRICT	201.77 36,833.77	37,035.54
11/16/21	36802	2020SC 1020SC	Invoice: 1723 SOLANO RESOURCE CONSERVATION DISTRICT	2,667.67	2,667.67
11/16/21	36803	2020SC 1020SC	Invoice: 2021-01157 TERRA REALTY ADVISORS, INC.	13,395.93	13,395.93
11/16/21	36804	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 235 Invoice: 232 Invoice: 234 Invoice: 231 Invoice: 233 Invoice: 236 TRPA FISH BIOLOGISTS	19,905.35 2,086.33 150.00 2,771.98 10,024.92 125.00	35,063.58
11/16/21	36805	2020SC 1020SC	Invoice: SARAH ARCHER SARAH ARCHER	898.00	898.00
11/16/21	36806	2020SC 1020SC	Invoice: ABED BABAEI ABED BABAEI	541.00	541.00
11/16/21	36807	2020SC 1020SC	Invoice: ANDREW BLOOM ANDREW BLOOM	1,000.00	1,000.00
11/16/21	36808	2020SC 1020SC	Invoice: DOREEN BOHAN DOREEN BOHAN	1,000.00	1,000.00
11/16/21	36809	2020SC 1020SC	Invoice: WILLIAM CAMBRA WILLIAM CAMBRA	1,000.00	1,000.00
11/16/21	36810	2020SC 1020SC	Invoice: EUGENE CARTER EUGENE CARTER	1,000.00	1,000.00
11/16/21	36811	2020SC 1020SC	Invoice: MARISA D'SOUZA MARISA D'SOUZA	1,000.00	1,000.00
11/16/21	36812	2020SC 1020SC	Invoice: TOM DUNCAN TOM DUNCAN	1,000.00	1,000.00
11/16/21	36813	2020SC 1020SC	Invoice: MARY FRITZ MARY FRITZ	1,000.00	1,000.00

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11/16/21	36814	2020SC	Invoice: CLARENCE GAMMAGE	1,000.00	
		1020SC	CLARENCE GAMMAGE		1,000.00
11/16/21	36815	2020SC	Invoice: MARILYN GOLDING	570.00	
		1020SC	MARILYN GOLDING		570.00
11/16/21	36816	2020SC	Invoice: PORTIA D. GOSSETT	853.00	
		1020SC	PORTIA D. GOSSETT		853.00
11/16/21	36817	2020SC	Invoice: MATT GREEN	704.00	
		1020SC	MATT GREEN		704.00
11/16/21	36818	2020SC	Invoice: SCOTT HANSEN	1,000.00	
		1020SC	SCOTT HANSEN		1,000.00
11/16/21	36819	2020SC	Invoice: LAUREN HEART	592.00	
		1020SC	LAUREN HEART		592.00
11/16/21	36820	2020SC	Invoice: NILDRE CECILIA KAHIL	1,000.00	
		1020SC	NILDRE CECILIA KAHILI		1,000.00
11/16/21	36821	2020SC	Invoice: KAY KELLEY	323.00	
		1020SC	KAY KELLEY		323.00
11/16/21	36822	2020SC	Invoice: PATRIK KUSEK	1,000.00	
		1020SC	PATRICK KUSEK		1,000.00
11/16/21	36823	2020SC	Invoice: MATTHEW MARTIN	1,000.00	
		1020SC	MATTHEW MARTIN		1,000.00
11/16/21	36824	2020SC	Invoice: CAITLIN MCSHERRY	894.00	
		1020SC	CAITLIN MCSHERRY		894.00
11/16/21	36825	2020SC	Invoice: SAMUEL MEDINA	660.00	
		1020SC	SAMUEL MEDINA		660.00
11/16/21	36826	2020SC	Invoice: ANN F. MURPHY	704.00	
		1020SC	ANN F. MURPHY		704.00
11/16/21	36827	2020SC	Invoice: DAVID ROBLES	540.00	
		1020SC	DAVID ROBLES		540.00
11/16/21	36828	2020SC	Invoice: COLLEEN SCHULMAN	810.00	
		1020SC	COLLEEN SCHULMAN		810.00
11/16/21	36829	2020SC	Invoice: MAILANG TRAN	599.00	
		1020SC	MAILANG TRAN		599.00
11/16/21	36830	2020SC	Invoice: JULIA VILLA-MIRAMONT	1,000.00	
		1020SC	JULIA VILLA-MIRAMONTES		1,000.00
11/16/21	36831	2020SC	Invoice: VICTOR WILLIAMS	1,000.00	
		1020SC	VICTOR WILLIAMS		1,000.00
11/17/21	EFT 11.17.21	2020SC	Invoice: 8514159	134.39	
		2020SC	Invoice: 7512425	722.54	
		2020SC	Invoice: 5022852	535.60	
		2020SC	Invoice: 1973337	526.33	
		2020SC	Invoice: 0023377	665.96	
		2020SC	Invoice: 0023376	206.99	
		2020SC	Invoice: 9023524	37.78	
		2020SC	Invoice: 9023523	258.21	
		2020SC	Invoice: 9023526	342.91	
		2020SC	Invoice: 4523502	97.20	
		1020SC	HOME DEPOT CREDIT SERVICE		3,527.91
11/18/21	EFT	2020SC	Invoice: PPE 11.13.2021	11,291.71	

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		2020SC	Invoice: PEPRA PPE 11.13.2021	4,376.41	
		2020SC	Invoice: SIP PPE 11.13.2021	6,912.43	
		1020SC	CALPERS		22,580.55
11/19/21	EFT	2020SC	Invoice: 61622	91.80	
		1020SC	ONEPOINT HUMAN CAPITAL MANAGEMENT LLC		91.80
11/23/21	EFT 11.23.21	2020SC	Invoice: 75646084	1,508.52	
		1020SC	WEX BANK		1,508.52
11/25/21	ASHLEY OCT 2021	2020SC	Invoice: ASHLEY OCT 2021	1,289.73	
		1020SC	UMPQUA BANK		1,289.73
11/25/21	COLIAS OCT 2021	2020SC	Invoice: COLIAS OCT 2021	985.98	
		1020SC	UMPQUA BANK		985.98
11/25/21	CUETARA OCT 2021	2020SC	Invoice: CUETARA OCT 2021	2,609.18	
		1020SC	UMPQUA BANK		2,609.18
11/25/21	FEHRENKAMP OCT 2021	2020SC	Invoice: FEHRENKAMP OCT 2021	85.00	
		1020SC	UMPQUA BANK		85.00
11/25/21	FLORENDO OCT 2021	2020SC	Invoice: FLORENDO OCT 2021	486.02	
		1020SC	UMPQUA BANK		486.02
11/25/21	FOWLER OCT 2021	2020SC	Invoice: FOWLER OCT 2021	915.70	
		1020SC	UMPQUA BANK		915.70
11/25/21	HYER OCT 2021	2020SC	Invoice: HYER OCT 2021	90.69	
		1020SC	UMPQUA BANK		90.69
11/25/21	JONES OCT 2021	2020SC	Invoice: JONES OCT 2021	470.64	
		1020SC	UMPQUA BANK		470.64
11/25/21	LEE OCT 2021	2020SC	Invoice: LEE OCT 2021	3,226.13	
		1020SC	UMPQUA BANK		3,226.13
11/25/21	MAROVICH OCT 2021	2020SC	Invoice: MAROVICH OCT 2021	933.38	
		1020SC	UMPQUA BANK		933.38
11/25/21	MOORE OCT 2021	2020SC	Invoice: MOORE OCT 2021	951.25	
		1020SC	UMPQUA BANK		951.25
11/25/21	PASCUAL OCT 2021	2020SC	Invoice: PASCUAL OCT 2021	86.67	
		1020SC	UMPQUA BANK		86.67
11/25/21	POORE OCT 2021	2020SC	Invoice: POORE OCT 2021	652.58	
		1020SC	UMPQUA BANK		652.58
11/25/21	RABIDOUX OCT 2021	2020SC	Invoice: RABIDOUX OCT 2021	2,125.32	
		1020SC	UMPQUA BANK		2,125.32
11/25/21	SHTAYYEH OCT 2021	2020SC	Invoice: SHTAYYEH OCT 2021	88.60	
		1020SC	UMPQUA BANK		88.60
11/25/21	SNYDER OCT 2021	2020SC	Invoice: SNYDER OCT 2021	776.49	
		1020SC	UMPQUA BANK		776.49
11/25/21	WILLINGMYRE OCT 2021	2020SC	Invoice: WILLINGMYRE OCT 2021	342.32	
		1020SC	UMPQUA BANK		342.32
11/30/21	10211	2020WC	Invoice: 21-08-3868	1,735.25	
		2020WC	Invoice: 21-09-3868	3,703.00	
		2020WC	Invoice: 21-10-3868	2,874.00	
		1020SC	MBK ENGINEERS		8,312.25
11/30/21	36832	2020SC	Invoice: 13932	105.00	
		2020SC	Invoice: 13994	21,238.34	
		2020SC	Invoice: 13996	105.00	

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		2020SC	Invoice: 13995	105.00	
		2020SC	Invoice: 13997	18,615.09	
		1020SC	ZACHARIAH WILKERSON		40,168.43
11/30/21	36833	2020SC	Invoice: 122	9,600.00	
		1020SC	AVRY DOTAN		9,600.00
11/30/21	36834	2020SC	Invoice: 562496-4	3,000.00	
		2020SC	Invoice: 563431-4	3,000.00	
		2020SC	Invoice: 551895-4	3,000.00	
		1020SC	ALPHA MEDIA LLC		9,000.00
11/30/21	36835	2020SC	Invoice: 3770302	682.95	
		1020SC	AMERICAN TOWER CORPORATION		682.95
11/30/21	36836	2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	STEVEN BIRD		100.00
11/30/21	36837	2020SC	Invoice: 000017336301	843.43	
		2020SC	Invoice: 000017334808	292.89	
		2020SC	Invoice: 000017334853	166.16	
		1020SC	CALNET3		1,302.48
11/30/21	36838	2020SC	Invoice: PPD211110-207	3,500.00	
		1020SC	CALIFORNIA WATER EFFICIENCY PARTNERSHIP		3,500.00
11/30/21	36839	2020SC	Invoice: N390922	538.71	
		2020SC	Invoice: P001045	1,840.90	
		1020SC	CDW GOVERNMENT, INC.		2,379.61
11/30/21	36840	2020SC	Invoice: NOV 2021 EXEC MTG	100.00	
		2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	DALE CROSSLEY		200.00
11/30/21	36841	2020N	Invoice: US01U000812286	3,159.00	
		1020SC	ERNST & YOUNG U.S. LLP		3,159.00
11/30/21	36842	2020SC	Invoice: 9097870993	12.98	
		1020SC	GRAINGER		12.98
11/30/21	36843	2020SC	Invoice: 1418127	2,195.29	
		1020SC	HOLT OF CALIFORNIA		2,195.29
11/30/21	36844	2020SC	Invoice: CL02590	1,171.65	
		2020SC	Invoice: CL04020	225.59	
		1020SC	INTERSTATE OIL COMPANY		1,397.24
11/30/21	36845	2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	JOHN D. KLUGE		100.00
11/30/21	36846	2020SC	Invoice: 22468	9,247.99	
		2020SC	Invoice: 22529	3,127.50	
		1020SC	LAUGENOUR AND MEIKLE		12,375.49
11/30/21	36847	2020SC	Invoice: 62000400678	1,190.53	
		2020SC	Invoice: 63100716036	1,038.16	
		1020SC	LES SCHWAB TIRE CENTER		2,228.69
11/30/21	36848	2020SC	Invoice: NOV 2021 EXEC MTG	100.00	
		2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	MITCH MASHBURN		200.00
11/30/21	36849	2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		2020SC	Invoice: NOV 2021 WAT POL	100.00	
		1020SC	ROBERT MCCONNELL		200.00
11/30/21	36850	2020SC	Invoice: AUG - OCT 2021	195.00	
		1020SC	SANDRA WILLINGMYRE		195.00
11/30/21	36851	2020SC	Invoice: EXP REIM NOV 21	143.37	

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		1020SC	MARC MORRIS		143.37
11/30/21	36852	2020U	Invoice: 325630	44.81	
		2020U	Invoice: 127053	129.69	
		2020U	Invoice: 325992	36.43	
		2020U	Invoice: 326005	93.79	
		2020U	Invoice: 326038	53.82	
		2020U	Invoice: 326141	25.73	
		2020U	Invoice: 128077	116.71	
		2020U	Invoice: 128523	16.60	
		2020U	Invoice: 326453	38.57	
		2020U	Invoice: 326533	105.02	
		2020U	Invoice: 326535	35.37	
		2020U	Invoice: 326678	49.20	
		2020U	Invoice: 129092	343.72	
		2020U	Invoice: 326729	8.76	
		2020U	Invoice: 326761	147.91	
		2020U	Invoice: 326790	60.61	
		2020U	Invoice: 129373	148.14	
		2020U	Invoice: 327066	30.39	
		2020U	Invoice: 327034	51.99	
		2020U	Invoice: 327125	52.58	
		2020U	Invoice: 129917	90.80	
		2020U	Invoice: 327442	49.28	
		2020U	Invoice: 327499	53.78	
		2020U	Invoice: 327692	178.38	
		2020U	Invoice: 327939	60.02	
		2020U	Invoice: 327967	19.29	
		2020U	Invoice: 327949	289.38	
		2020U	Invoice: 328119	250.91	
		2020U	Invoice: 131856	171.54	
		2020U	Invoice: 328134	24.21	
		2020U	Invoice: 328172	104.01	
		2020U	Invoice: 328451	48.21	
		2020U	Invoice: 328430	117.85	
		2020U	Invoice: 328432	20.56	
		2020U	Invoice: 328510	57.80	
		2020U	Invoice: 328558	38.82	
		2020U	Invoice: 328599	25.18	
		2020U	Invoice: 133155	184.41	
		2020U	Invoice: 328765	49.02	
		2020U	Invoice: 328808	116.88	
		2020U	Invoice: 328807	3.40	
		2020U	Invoice: 328851	29.54	
		2020U	Invoice: 328825	30.94	
		2020U	Invoice: 328859	15.22	
		2020U	Invoice: 328869	49.30	
		2020U	Invoice: 328943	25.72	
		2020U	Invoice: 328969		25.72
		2020U	Invoice: 328971	79.33	
		2020U	Invoice: 329525	128.97	
		2020U	Invoice: 329884	292.74	
		1020SC	PACIFIC ACE HARDWARE		4,169.61
11/30/21	36853	2020SC	Invoice: 10/12/21-11/9/21	1,602.94	
		1020SC	PACIFIC GAS & ELECTRIC CO,		1,602.94
11/30/21	36854	2020SC	Invoice: 001	250.00	
		1020SC	ELIZABETH PATTERSON		250.00
11/30/21	36855	2020SC	Invoice: 925508	996.99	
		2020SC	Invoice: 925518	22.90	
		2020SC	Invoice: 925485	110.66	
		2020SC	Invoice: 925487	64.29	
		2020SC	Invoice: 925486	88.14	
		2020SC	Invoice: 925520	120.52	
		2020SC	Invoice: 925637	36.09	
		2020SC	Invoice: 926033	113.99	
		2020SC	Invoice: 925996	410.76	
		2020SC	Invoice: 925966	157.23	
		2020SC	Invoice: 926960	40.26	

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		2020SC	Invoice: 926941	40.81	
		2020SC	Invoice: 927899	45.24	
		1020SC	BOB PISANI & SON		2,247.88
11/30/21	36856	2020SC	Invoice: 48498083	102.01	
		1020SC	RECOLOGY VACAVILLE SOLANO		102.01
11/30/21	36857	2020SC	Invoice: 34-DEC-2021	9,500.00	
		1020SC	REEB GOVERNMENT RELATIONS, LLC		9,500.00
11/30/21	36858	2020SC	Invoice: 12728	863.36	
		1020SC	REGIONAL GOVERNMENT SERVICES AUTHORITY		863.36
11/30/21	36859	2020SC	Invoice: NOV 2021 EXEC MTG	100.00	
		2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	RON ROWLETT		200.00
11/30/21	36860	2020SC	Invoice: 0029683	60,255.39	
		2020SC	Invoice: 0029684	134,829.53	
		1020SC	SOLANO IRRIGATION DISTRICT		195,084.92
11/30/21	36861	2020SC	Invoice: 1-B	22,025.14	
		1020SC	SOLANO RESOURCE CONSERVATION DISTRICT		22,025.14
11/30/21	36862	2020SC	Invoice: NOV 2021 EXEC MTG	100.00	
		2020SC	Invoice: NOV 2021 BOD MTG	100.00	
		1020SC	JAMES SPERING		200.00
11/30/21	36863	2020SC	Invoice: 006492990046	2,248.06	
			DEC2021		
		1020SC	STANDARD INSURANCE COMPANY		2,248.06
11/30/21	36864	2020SC	Invoice: 11103	9,838.68	
		2020SC	Invoice: 2957325641	230.22	
		2020SC	Invoice: 2957325751	149.61	
		2020SC	Invoice: 2957330211	147.04	
		2020SC	Invoice: 2957392591	32.33	
		1020SC	STAPLES		10,397.88
11/30/21	36865	2020SC	Invoice: 481128556	2,852.96	
		2020SC	Invoice: L0012509531	6,130.01	
		2020SC	Invoice: L0012552076	94,184.37	
		2020SC	Invoice: L0012548041	407.41	
		2020SC	Invoice: L0012578611	309.90	
		1020SC	CA DEPT. OF TAX AND FEE ADMIN		103,884.65
11/30/21	36866	2020SC	Invoice: 2021-11-SCWA	13,242.09	
		1020SC	SUSTAINABLE SOLANO		13,242.09
11/30/21	36867	2020SC	Invoice: MELISSA	50.00	
			APASTOLAS		
		1020SC	MELISSA APASTOLAS		50.00
11/30/21	36868	2020SC	Invoice: HANNA HOPPER	1,000.00	
		1020SC	HANNA HOPPER		1,000.00
11/30/21	36869	2020SC	Invoice: IAN ISAACSON	1,000.00	
		1020SC	IAN ISAACSON		1,000.00
11/30/21	36870	2020SC	Invoice: EDWIN LITTLE	993.00	
		1020SC	EDWIN LITTLE		993.00
11/30/21	36871	2020SC	Invoice: MAUREEN	802.00	
			MCSWEENEY		
		1020SC	MAUREEN MCSWEENEY		802.00

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11/30/21	36872	2020SC 1020SC	Invoice: ROBERT ROGERS ROBERT ROGERS	544.00	544.00
11/30/21	36873	2020SC 1020SC	Invoice: STEVE WONG STEVE WONG	50.00	50.00
11/30/21	36874	2020SC 1020SC	Invoice: TIMOTHY WYLIE TIMOTHY WYLIE	1,000.00	1,000.00
11/30/21	36875	2020SC 2020SC 1020SC	Invoice: NOV 2021 BOD MTG Invoice: NOV 2021 WAT POL JOHN VASQUEZ	100.00 100.00	200.00
11/30/21	36876	2020SC 1020SC	Invoice: OSV000002599845 VERIZON CONNECT	285.00	285.00
11/30/21	36877	2020SC 1020SC	Invoice: 9892165937 VERIZON WIRELESS	993.42	993.42
11/30/21	36878	2020SC 2020SC 2020SC 1020SC	Invoice: DAVIS_FY2021-22-2 Invoice: DAVIS_FY2021-22-3 Invoice: DAVIS_FY2021-22-4 KEN W. DAVIS	8,416.18 10,983.92 16,595.27	35,995.37
11/30/21	36879	2020SC 1020SC	Invoice: 1472 WILSON PUBLIC AFFAIRS	3,500.00	3,500.00
11/30/21	36880	2020SC 1020SC	Invoice: 36204 CAL.NET INC. (WAS WINTERS BROADBAND)	595.00	595.00
11/30/21	36881	2020SC 1020SC	Invoice: 9591 YOLO-SOLANO AQMD	339.00	339.00
11/30/21	36882	2020N 2020SC 2020SC 1020SC	Invoice: 22-102-V OCT 2021 Invoice: 21-026-T NOV 2021 Invoice: 21-024-O NOV 2021 DEPARTMENT OF WATER RESOURCES	63,988.00 505,925.00 244.00	570,157.00
	Total			2,168,056.03	2,168,056.03

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: December 9, 2021

SUBJECT: State Water Project Tolling Agreement Amendment

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RECOMMENDATIONS:

Authorize General Manager to execute Ninth Amendment to Tolling Waiver Agreement with the California Department of Water Resources, regarding State Water Project charges.

FINANCIAL IMPACT:

None.

BACKGROUND:

The Tolling Waiver Agreement provides a mechanism for the State Water Contractors to dispute billings by the California Department of Water Resources, without resorting to formal protests and/or legal action. The Tolling Waiver Agreement was signed in 2007, since then there have been eight amendments, each amendment extending the term of the Agreement and updating the list of billings in dispute. The proposed ninth amendment extends the term of the Tolling Waiver Agreement to December 31, 2023 and updates the list of billing items that remain in dispute.



Recommended: \_\_\_\_\_  
Roland Sanford, 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, Roland Sanford, 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 December 9, 2021 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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Roland Sanford  
General Manager & Secretary to the  
Solano County Water Agency

**NINTH AMENDMENT TO TOLLING AND WAIVER AGREEMENT**

This NINTH AMENDMENT TO TOLLING AND WAIVER AGREEMENT (“Ninth Amendment”), which shall be effective as of December 15, 2021 (“Effective Date of Ninth Amendment”), is entered into by and between \_\_\_\_\_ (“AGENCY”) and the CALIFORNIA DEPARTMENT OF WATER RESOURCES (“DWR”). AGENCY and DWR are referred to individually as a “Party” and collectively as the “Parties.”

**RECITALS**

A. In 2007, the Parties entered into a Tolling and Waiver Agreement (“Agreement”), and thereafter entered into the First Amendment with an effective date of December 15, 2007 (“First Amendment”), Second Amendment with an effective date of December 15, 2008 (“Second Amendment”), Third Amendment with an effective date of September 15, 2009 (“Third Amendment”), Fourth Amendment with an effective date of December 15, 2010 (“Fourth Amendment”), Fifth Amendment with an effective date of December 15, 2012 (“Fifth Amendment”), Sixth Amendment with an effective date of December 15, 2015 (“Sixth Amendment”), Seventh Amendment with an effective date of December 15, 2017 (“Seventh Amendment”), and Eighth Amendment with an effective date of December 15, 2019 (“Eighth Amendment”). Except as otherwise set forth in this Ninth Amendment, capitalized terms have the meanings given to such terms in the Agreement, as amended.

B. Among other things, the Agreement, as currently amended through the Eighth Amendment, tolls the statute of limitations with regard to certain Claims beginning with the Effective Date of the Agreement through and including December 31, 2021. The Claims specified in the Agreement, as amended through the Eighth Amendment, include, with certain exceptions, DWR’s bills to the Contractors for calendar years 2007 through and including 2022, but do not include bills for subsequent years.

C. Thus, in the absence of an amendment to extend the tolling period beyond December 31, 2021, AGENCY will be required to formally protest and/or take other legal action to preserve its rights to pursue Claims under the Agreement, as amended, upon expiration of the

tolling period on December 31, 2021. In addition, in the absence of an amendment to the Agreement regarding the SWP bills for 2023 and 2024, AGENCY will be required to formally protest its SWP bills for 2023 and 2024 and/or take other legal action to preserve any claims it may have with respect to such bills.

D. The Parties currently are engaged in good faith discussions concerning a possible resolution of the claims related to the SWP bills issued for calendar years 2007 through and including 2022 and certain other claims related to the State Water Project. In order to facilitate these discussions, the Parties agree that the applicable tolling period for pursuing Claims as set out in the Agreement, as amended, (with the exception of the issues set out in Exhibit 1, Exhibit 2A, Exhibit 2B, Exhibit 2C, and Exhibit 2D) should be extended through December 31, 2023, and that claims related to the SWP bills issued by DWR for 2023 and 2024, including any revisions made on or before December 31, 2023, should also be tolled.

E. The Parties also recognize that there may be issues that they are not able to resolve through good faith discussions and that a Party to this Agreement and/or a Contractor which has entered into a similar, but separate, tolling and waiver agreement with DWR may desire to seek formal dispute resolution or other legal action on such issues before the end of the tolling period on December 31, 2023. Accordingly, the Parties have included procedures in this Agreement, as amended, and DWR has included similar procedures in its tolling and waiver agreements with other Contractors to allow any party (including DWR) to exclude issues from the tolling provisions before the end of the tolling period and to have such exclusion apply to and bind DWR and all other Contractors with tolling and waiver agreements with DWR.

**NOW, THEREFORE**, AGENCY and DWR, for good and adequate consideration, the sufficiency of which is hereby acknowledged, agree to the following:

#### **TERMS OF NINTH AMENDMENT**

1. The text in Paragraph 1(b) of the Agreement, as amended by the Eighth Amendment, is deleted in its entirety and replaced with the following text, shown here in italics:

*(b) (i) The term “Claims” is broadly defined to include any and all claims for relief, actions, suits, causes of action, damages, debts, costs, demands, losses, liabilities and obligations of whatever nature, whether legal or equitable, and notices of contest under Article 29(i) of the State Water Contracts (or with regard to Alameda County Water District, Alameda County Flood Control and Water Conservation District, Zone 7 and Santa Clara Valley Water District, notices of contest under Article 29(k) of the State Water Contracts) that arise out of or are related to: (1) the Metropolitan Claim; (2) the use, prior to July 1, 2006, of revenue bond proceeds and commercial paper note proceeds to pay “costs incurred for the enhancement of fish and wildlife or for the development of public recreation”; (3) the related establishment, restatement or adjustment of charges and rate reductions under the State Water Contracts; (4) the accounting for the costs of the San Joaquin Drainage Program; (5) the allocation of the costs of certain facilities in the Delta to the purposes of the development of public recreation and the enhancement of fish and wildlife; (6) DWR’s bills to the Contractors for calendar years 2007 through and including 2024, including any revisions to such bills made on or before December 31, 2023; provided that the term “Claims” does not include the issue set out in Exhibit 1, attached hereto, effective January 1, 2009; the issues set out in Exhibit 2A, attached hereto, effective January 1, 2016; the issues set out in Exhibit 2B, attached hereto, effective January 1, 2018; the issues set out in Exhibit 2C, attached hereto, effective January 1, 2020; and the issues set out in Exhibit 2D, attached hereto, effective January 1, 2022. To the extent the issue set out in Exhibit 1 was heretofore included within the term “Claims”, the Tolling Period Expiration Date for such issue as used in Paragraph 4 shall be deemed to be December 31, 2008. To the extent the issues set out in Exhibit 2A were heretofore included within the term “Claims”, the Tolling Period Expiration Date for such issues as used in Paragraph 4 shall be deemed to be December 31, 2015. To the extent the issues set out in Exhibit 2B were heretofore included within the term “Claims”, the Tolling Period Expiration Date for such issues as used in Paragraph 4 shall be deemed to be December 31, 2017. To the extent the issues set out in Exhibit 2C were heretofore included within the term “Claims”, the Tolling Period Expiration Date for such issues as used in Paragraph 4 shall be deemed to be December 31, 2019. To the extent the issues set out in Exhibit 2D were heretofore*

*included within the term “Claims”, the Tolling Period Expiration Date for such issues as used in Paragraph 4 shall be deemed to be December 31, 2021. In addition, the term “Claims” shall not include any issue to the extent such issue is excluded from the term “Claims” pursuant to the provisions of Paragraph 1(b)(ii) or 1(b)(iii)*

*(ii) Any Party (including DWR) to this Agreement may elect to remove one or more of the issues set out in Exhibit 3 from the term “Claims” by giving 60 days advance written notice to DWR and the other Contractors which have tolling and waiver agreements with DWR with a tolling period expiration date that has been extended to December 31, 2023. Such notice shall specify the effective date of such exclusion and shall apply to and be binding upon DWR and the other Contractors listed in Exhibit 4 which have a tolling and waiver agreement with DWR with a tolling period expiration date that has been extended to December 31, 2023. Exhibit 4 contains a listing of all water contractors which entered into the previous tolling and waiver agreement amendment extending the tolling period to December 31, 2021, and which are expected to enter into amendments to extend their tolling periods to December 31, 2023. To be effective, such notice must be received by DWR and shall be effective as to all other Contractors with tolling and waiver agreements with DWR with a tolling period expiration date that has been extended to December 31, 2023, even if one or more of such Contractors do not receive such notice. The effect of such notice by one Party or by any Contractor with a tolling and waiver agreement with DWR shall be to exclude such issue or issues from the term “Claims” in this Agreement and in the tolling and waiver agreements of DWR and the other Contractors listed in Exhibit 4 with a tolling period expiration date that has been extended to December 31, 2023. To the extent the issue or issues set out in the notice were heretofore included within the term “Claims”, the Tolling Period Expiration Date for each such issue as used in Paragraph 4 shall be the issue exclusion date so specified in the notice.*

*(iii) Any Party (including DWR) to this Agreement may elect to remove one or more issues (other than those listed in Exhibit 3, which are addressed in Paragraph 1(b)(ii)) from the definition of the term “Claims” by giving 120 days advance written*

*notice to DWR and the other Contractors which have tolling and waiver agreements with DWR with a tolling period expiration date that has been extended to December 31, 2023; provided, however, that such Party (if other than DWR) shall notify DWR at least 30 days in advance of the issuance of such 120 day notice and allow DWR the opportunity to discuss the matter with that Party. The Party shall use its best efforts to describe clearly in the notice the issue or issues to be excluded and shall specify the effective date of such exclusion. The notice shall apply to and be binding upon DWR and the other Contractors listed in Exhibit 4 which have a tolling and waiver agreement with DWR with a tolling period expiration date that has been extended to December 31, 2023. To be effective, such notice must be received by DWR and shall be effective as to all other Contractors with tolling and waiver agreements with DWR with a tolling period expiration date that has been extended to December 31, 2023, even if one or more of such Contractors do not receive such notice. The effect of such notice by one Party or by any Contractor with a tolling and waiver agreement with DWR shall be to exclude such issue or issues from the term "Claims" in this Agreement and in the tolling and waiver agreements of DWR and the other Contractors listed in Exhibit 4 with a tolling period expiration date that has been extended to December 31, 2023. To the extent the issue or issues set out in the notice were heretofore included within the term "Claims", the Tolling Period Expiration Date for each such issue as used in Paragraph 4 shall be the issue exclusion date so specified in the notice.*

2. The text in Paragraph 4 of the Agreement, as amended by the Eighth Amendment, is deleted in its entirety and replaced with the following text, shown here in italics:

*The Tolling Period Expiration Date is December 31, 2023; provided that DWR may, upon giving 60 days advance written notice to Agency, change the Tolling Period Expiration Date to a date earlier than December 31, 2023, if the sum of the maximum Table A amounts for all Contractors who enter into a Ninth Amendment to the Tolling and Waiver Agreement with DWR (plus the Table A amount for the County of Butte, if the County enters into an Eighth Amendment to the Tolling and Waiver Agreement with DWR) is less than 95% of the sum of the maximum Table A amounts for the 27 Contractors who signed the Monterey Amendment; and provided further that the Tolling*

*Period Expiration Date as to any specific issue may be set at an earlier date pursuant to the provisions of Paragraph 1(b)(ii) or 1(b)(iii). For the time period between the Effective Date of the Agreement and the Tolling Period Expiration Date, inclusive (the "Tolling Period"), Agency and DWR agree that, except as provided for in this Agreement, all Periods of Limitation applicable to all Claims between the Parties, including without limitation those described in the Metropolitan Claim, shall be tolled and waived, shall not run or expire, and shall not operate in any manner so as to prejudice, bar, limit, create a defense to or in any way restrict Claims between the Parties. Except as provided in Paragraph 2 herein, after the Tolling Period Expiration Date, the Parties shall have the same rights, remedies, and damages each of them had on the Effective Date of the Agreement and the Tolling Period shall be excluded from any time calculation in determining whether any period of limitations has run; provided, however, that with regard to Claims pertaining to DWR's bills to the Contractors for calendar years 2007 through and including 2024, AGENCY shall have until 60 days from the Tolling Period Expiration Date to submit notices of contest to DWR for Claims pertaining to any such bills for calendar years 2007 through and including 2024. Except for the Parties' waiver of the Statute of Limitations as provided herein and except as provided in Paragraph 2 herein, this Agreement shall not operate as a waiver of any Claims or defenses that either Party may have against the other.*

3. Exhibit 1, entitled "Issue Not Included in the Term "Claims" Effective January 1, 2009", which title was changed by the Fifth Amendment, remains unchanged as a part of this Agreement and is attached.

4. Exhibit 2, entitled "Issues Not Included in the Term "Claims" for Purposes of the Tolling and Waiver Agreement Extension Beginning January 1, 2013", which was added by the Fifth Amendment, did not have any issues listed and was therefore deleted in its entirety and replaced in the Sixth Amendment by Exhibit 2, entitled "Issues Not Included in the Term "Claims" Effective January 1, 2016". Exhibit 2 subsequently was renumbered as Exhibit 2A, but remained entitled "Issues Not Included in the Term "Claims" Effective January 1, 2016. Exhibit 2A is attached to the Sixth Amendment and remains a part of this Agreement.

5. Exhibit 2B, entitled “Issues Not Included in the Term “Claims” Effective January 1, 2018”, is attached to the Seventh Amendment and remains a part of this Agreement.

6. Exhibit 2C, entitled “Issues Not Included in the Term “Claims” Effective January 1, 2020”, is attached to the Eighth Amendment and remains a part of this Agreement.

7. Exhibit 2D, entitled “Issues Not Included in the Term “Claims” Effective January 1, 2022,” is attached to this Ninth Amendment and made a part of this Agreement.

8. Exhibit 3, entitled “Issues that May be Excluded from the Term “Claims” upon 60 Days Advance Notice”, which was added by the Fourth Amendment, is amended by listing additional issues, if any, to issues 1 and 2 previously listed therein, and such Exhibit 3 as amended is attached and remains a part of this Agreement.

9. Exhibit 4, entitled “Contractors which Signed Prior Tolling Agreement Amendment Extending Tolling Period to December 31, 2019 and which are Expected to Enter into Amendment to Extend Tolling Period to December 31, 2021”, which was added by the Eighth Amendment, is deleted in its entirety and replaced by Exhibit 4 entitled “Contractors which Signed Prior Tolling Agreement Amendment Extending Tolling Period to December 31, 2021, and which are Expected to Enter into Amendment to Extend Tolling Period to December 31, 2023”, which is attached and made a part of this Agreement.

10. All other terms and conditions of the Agreement, as amended, are unchanged by this Ninth Amendment and shall remain in full force and effect.

11. In consideration of the extension of the tolling period provided by this Ninth Amendment, the Parties intend to continue to use their best efforts to discuss and seek to resolve, in a timely manner, as many of the remaining issues as practicable that have been tolled by this Agreement or that have otherwise been raised in the resolution process established in response to

this Agreement.

12. Each individual signing below represents and warrants that he or she is authorized to execute this Ninth Amendment on behalf of the respective Party to this Ninth Amendment and does so freely and voluntarily.

13. Each Party warrants and represents that, in executing this Ninth Amendment, it has relied upon legal advice from counsel of its choice; that the terms of this Ninth Amendment have been read and its consequences have been completely explained to it by counsel; that it fully understands the terms of this Ninth Amendment; and that it knows of no reason why this Ninth Amendment shall not be a valid and binding agreement of that Party.

14. The Parties agree that this Ninth Amendment will be executed using DocuSign by electronic signature, which shall be considered an original signature for all purposes and shall have the same force and effect as an original signature. The Ninth Amendment shall take effect as soon as all Parties have signed.

15. All Parties will receive an executed copy of this Ninth Amendment via DocuSign after all Parties have signed.

DATED: \_\_\_\_\_

\_\_\_\_\_  
Thomas Gibson  
General Counsel  
Attorney for DWR

DATED: \_\_\_\_\_

\_\_\_\_\_  
Name:  
Title:  
For AGENCY

**EXHIBIT 1**

ISSUE NOT INCLUDED IN THE TERM “CLAIMS”  
EFFECTIVE JANUARY 1, 2009

1. The validity of charges for costs incurred by DWR at Perris Reservoir for beach sand, the ADA fishing pier, and marina repairs and relocation, which have been billed to and included in the annual Statements of Charges issued to Metropolitan Water District, Coachella Valley Water District and Desert Water Agency for calendar years 2008 and 2009.

**EXHIBIT 2A**

ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2016

FOR THE COMPLETE LIST OF “ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2016” PLEASE REFER TO EXHIBIT 2 IN THE SIXTH AMENDMENT. THOSE ISSUES ARE DEEMED INCORPORATED HEREIN AS THOUGH FULLY SET FORTH IN THIS EXHIBIT 2A.

**EXHIBIT 2B**

ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2018

FOR THE COMPLETE LIST OF “ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2018” PLEASE REFER TO EXHIBIT 2B IN THE SEVENTH AMENDMENT. THOSE ISSUES ARE DEEMED INCORPORATED HEREIN AS THOUGH FULLY SET FORTH IN THIS EXHIBIT 2B.

**EXHIBIT 2C**

ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2020

FOR THE COMPLETE LIST OF “ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2020” PLEASE REFER TO EXHIBIT 2C IN THE EIGHTH AMENDMENT. THOSE ISSUES ARE DEEMED INCORPORATED HEREIN AS THOUGH FULLY SET FORTH IN THIS EXHIBIT 2C.

**EXHIBIT 2D**

ISSUES NOT INCLUDED IN THE TERM “CLAIMS” EFFECTIVE JANUARY 1, 2022

1. Whether any FloodSafe Program costs were improperly included in the Department overhead costs. Resolution: The Department’s policy is not to include any non-SWP costs in its overhead costs and the Department’s practice is in accordance with its policy. Hence no changes were necessary.
2. Whether downstream costs totaling approximately \$896,000 for 1999 were improperly included in the transportation variable charges when the Department prepared the computation manually and these costs were not removed when SAP was used. Resolution: The Department determined that the costs were properly included in the Contractors’ charges. The methodology of the Department’s downstream process pre-SAP and post-SAP changed. The \$896,000 is downstream costs for January – June of 1999 and is conversion data from pre-SAP in Cost Element 74C0000290. The downstream costs for July – December of 1999 reside in the modern cost element in 7704000640, totaling approximately \$422,932.
3. Whether the Department had documentation in place to support alpha allocation factors within SAP. Resolution: The Department determined that this was a recommendation from the audit report, not a claim. Through Phase II Alpha analysis, the Department documented the guidelines for alpha allocation factors. WREM65 was established to maintain documentation on allocation factors.
4. Whether Reid Gardner insurance invoices were improperly allocated based on beginning dates, rather than service periods, resulting in an overstatement of 2009 Off Aqueduct Power insurance costs by approximately \$58,209 in the 2011 Statements of Charges. Resolution: The Department determined that the costs were allocated correctly pursuant to the Department’s standard practice. Insurance costs, as part of the Minimum Operations

and Maintenance costs of the SWP, have always been recorded by the beginning dates rather than allocated to the service periods.

5. Whether contract retentions from 1999 to 2004, totaling approximately \$1,413,960, were allocated statewide through cost center 2500FAD890, resulting in a double billing of these charges. Resolution: The Department reversed the incorrect adjusting entries done in 2010, which caused the double billing of contract retentions. This correction was done in April 2020.
6. Whether the Oroville flood control adjustment for 1999 to 2007 requires updating. Resolution: The Department updated the Oroville flood control adjustment by reallocating the costs to water supply and recreation project purpose for 1999 to 2007.
7. Whether the Department improperly charged in 2011 approximately \$1.5 million in costs associated with the Caltrans Highway 246 widening project to various financial reaches on the Coastal Branch. Resolution: The Department agreed that Caltrans Highway 246 widening project costs were reimbursed from Caltrans solely and not to be charged to any financial reaches. Through KB15 adjustment approved on 11/24/2020, the Department credited \$1,319,897.04 for 2010 and \$321,603.67 for 2011, for a total credit of \$1,641,500.71, applied to related financial reaches on the Coastal Branch associated with Cost Center 2315FDL062. Following the correction, starting with the 2022 Statements of Charges, manual adjustments will no longer be included in Attachment 4B (TWS-min) to exclude these R33A Caltrans Highway 246 costs.
8. Whether the Department incorrectly allocated costs in 13 newly created State Water Resources Development System (SWRDS) cost centers for year 2010. Resolution: The Department updated the allocation process and fully allocated the costs in 10 of the 13 cost centers. The costs from other cost centers were properly allocated, so the costs remained unchanged.

9. Whether costs related to alpha allocation cycle SAA923 were improperly allocated to other project purpose cost centers, as these costs should be allocated 100% to Contractors. Resolution: The Department determined that the costs were properly included in the Contractors' charges. The alpha allocation cycle SAA923 is correct to have an SWP joint allocation.
10. Whether some 2008 and 2009 costs were moved to 2010, in error, when the Department moved the costs of the Supervisory Control and Data Acquisition System from the cost center 2301MAD057 to the cost center 2390FAD908. Resolution: The Department moved the related costs back to 2008 and 2009, and these were reflected in the 2017 Statements of Charges.
11. Whether the costs from Order number J10104000605, which relates to the Franks Tract Project Management Project, was incorrectly included in alpha cost center 1101FAD890. Resolution: The Department removed the costs related to Order number J10104000605 from cost center 1101FAD890 in 2016; the correction was reflected in the billing system.
12. Whether the Department incorrectly allocated costs in three (3) newly created SWRDS cost centers for year 2011. Resolution: The Department reviewed the allocation process and determined the costs from these cost centers were properly allocated. Hence no changes were necessary.
13. Whether Order number 85000001895 in alpha cost center 2301FFE907 included costs misallocated to North Bay Aqueduct (NBA) Reaches and California Aqueduct (CA) Reaches 2A and 2B, resulting in a misallocation of costs of approximately \$434,495. Resolution: The Department determined that the costs in the calendar year 2011, charged in Internal Order (IO) 85000001895 for 69 KV Transmission Line and Banks Switchyard South Bay Aqueduct (SBA) Enlargement, were included in alpha cost center 2301FFE907, which comprised costs to NBA Reaches and CA Reaches 2A and 2B. The Department Delta Field Division and Program Control, Operation, and Maintenance confirmed that IO 85000001895 included work for the Delta -O&M Substation &

Distribution Renovation, which supported the whole Delta Field Division regardless of where the substation sits geographically. Delta Field Division includes NBA Reaches 2A and 2B, which benefited from this work. Thus, allocating the work to alpha cost center 2301FFE907, rather than to South Bay Cost Center, is correct. Hence, no changes are necessary.

14. Whether the credit included in the Delta Water Charge for the refurbishment costs of Hyatt Units 1, 3, and 5 was understated by \$15,000 and debt service for the refurbishment costs of Hyatt Units 2, 4, and 6 included in the variable charge was understated by \$469,000 due to the use of an outdated debt service schedule, in the 2014 Statements of Charges. Resolution: The Department included the \$15,000 credit in the Delta Water Charge and used the up-to-date debt service schedule, and these changes were reflected in the 2017 Statements of Charges.
15. Whether Order number E7435FDH9070 in alpha cost center 2315FDH907 included costs misallocated to CA Reaches R18A, R19, R20A, R20B, R21, R22A, R22B, R23, and R24. Resolution: The Department agreed that invoices related to Joint Agreement Maintenance of a Portion of Templin Highway in the Vicinity of Castaic Lake Agreement No. 64973 – Contract No. B-58416 were misallocated to cost center 2315FDH907. For resolution, WBS E.0500.THWY.001 was created under FA WR2315FDK9070000 that includes Reach 29J where Templin Highway is located. Past Templin Highway charges of \$45,000, that were previously included in the FDH907 Cost Center group, were moved to WBS E.0500.THWY.001 (Cost Center: 2315FDK907) as of 1/27/2021 in the billing system.
16. Whether station service costs were miscalculated for 2013 by excluding East Branch Extension (EBX) plants from the calculation. Resolution: The Department updated station service costs for 2013 to include EBX plants in the calculations. This correction was reflected in the 2021 Statements of Charges.

17. Whether costs of approximately \$25,879 for work performed at Oso pumping plant, on invoice number 1.14.002.01, were improperly allocated to the Santa Ana Division in 2014. Resolution: The Department reallocated approximately \$25,879 in costs from the Santa Ana Division to the Oso pumping plant for 2014. This correction was reflected in the 2020 Statements of Charges.
18. Whether the Hyatt-Thermalito credit to the Delta Water Charge was incorrectly charged to System Power Costs for years 2008 through 2016. Resolution: The Department updated the Hyatt related debt service amounts in May 2019.
19. Whether the escalation factor for the labor cost for the transportation minimum future estimates was double-counted for the years 2016 and 2017. Resolution: The Department determined that the escalation factor was not double-counted per the Department criteria memorandum. Hence no changes were necessary.
20. Whether the amount of approximately \$52,000 in credits related to remote terminal units was incorrectly allocated in the Contractors' charges for 2013. Resolution: The Department reversed the credits, and the correction is posted in Utility Cost Allocation and Billing System (UCABS) dated 7/3/2018.
21. Whether the permanent adjustments to reflect the transfer of costs incurred after July 2017 from a statewide allocation to Delta reaches were incorrectly done for 2017 Statement of Charges. Resolution: The Department made a permanent transfer entry in PR5 in February 2016 to move the costs and several KB15 entries to reverse the temporary entries. As a result, the cost movements needed are in place, and the unnecessary temporary entries have been fully reversed.
22. Whether a reimbursement of \$286,000 for power used to pump non-entitlement water was allocated to plants statewide instead of the plants used. Resolution: The Department determined that the costs were properly included in the Contractors' charges. The Department invoiced Westlands Water District (WWD) the actual California Independent

System Operator (CAISO) costs associated with the transportation of WWD's water for 2013 and 2014, totaling \$315,000 and \$286,000, respectively, and therefore credited back the same cost center when payment was received.

23. Whether greenhouse gas instrument credits (emission allowances), totaling approximately \$8,000,000, were incorrectly charged to the Contractors in 2012, based on the year of purchase instead of the years the credits were used. Resolution: The Department reallocated the costs for the greenhouse gas instrument credits to the years the credits were used. This was reflected in the 2020 Statements of Charges.
24. Whether labor costs for administering Federal billings totaling approximately \$377,000 for 2009 to 2017 were improperly allocated statewide instead of to the joint use reaches. Resolution: The Department reallocated the relevant costs, and the correction was reflected in the 2019 Statements of Charges.
25. Whether the cost of emission allowances included in the Off-Aqueduct and variable components exceeds the actual costs by approximately \$61,000. Resolution: The Department adjusted the emission allowances in the Off-Aqueduct and variable components to correct this issue, and this was reflected in the 2020 Statements of Charges.
26. Whether costs, totaling approximately \$18,000, for salmon festivals in 2014 and 2015 were improperly allocated to the Contractors. Resolution: The Department moved costs for salmon festivals in 2014 and 2015, totaling approximately \$23,300, to a recreational Functional Area, WR23002200710000. This was reflected in the 2020 Statements of Charges.
27. Whether differences between amounts recorded in the financial accounting system and the cost accounting system resulted in credits, totaling approximately \$133,000, for recreation costs being improperly allocated to the Contractors in the 2018 Statements of Charges. Resolution: The Department corrected the mispostings in the financial accounting system, totaling approximately \$133,000, by posting to the correct period for November 2007 and

November 2008, thereby resolving the differences between the two accounting systems.  
This was reflected in the 2020 Statements of Charges.

28. Whether the Temporary Rock Barriers Program costs removed from the Delta Water Charge calculation for years 2021-2035 and 2022- 2035 did not conform to the budgeted amounts provided by the Department, resulting in an overstatement of costs to the Contractors. Resolution: The Department included Escalation rate, if the rate applied, in addition to the labor and operating expenses in calculating the three-year average of annual projections of the Temporary Barrier Program, and that was updated in the 2020 Statement of Charges.
29. Whether costs of approximately \$9,783 for work performed at Chrisman pumping plant, on Claim number 1319184, were improperly allocated to the Devil's Den Pumping Plant in the 2018 Statements of Charges. Resolution: The Department reallocated approximately \$9,783 in costs, from the Devil's Den Pumping Plant to the Chrisman pumping plant. This was reflected in the 2019 Statements of Charges.
30. Whether costs of approximately \$385,618 for work performed at Alamo Powerplant, on Claim numbers 1324323 and 1327434, were improperly allocated to the Devil Canyon Powerplant in the 2018 Statements of Charges. Resolution: The Department reallocated approximately \$385,618 in costs from the Devil Canyon Powerplant to the Alamo Powerplant. This was reflected in the 2019 Statements of Charges.
31. Whether the 2016 Actual Suspended Costs total used in calculating Available Funds for Rate Management Credits included the incorrect created on date for cost center M500300232 (used March 9, 2017 vs. the actual cutoff date for the Statement of Charges), resulting in an overstatement of Available Funds for Rate Management Credits of \$1,184. Resolution: Per Ernst & Young LLP's (E&Y), the 2016 Suspended Costs total for cost center M500300232 uses the correct created on date.

32. Whether the East Branch Enlargement (EBE) “judgment call” item for years 1979 to 1985 included in the cost/debt reconciliation project does not conform to Bulletin 132-13, Table B26, *Capital Costs of Each Aqueduct Reach to be Reimbursed through the Capital Cost Component of the East Branch Enlargement Transportation Charge Phase 1 and Phase 2*. Resolution: The Department updated several EBE cost reconciliation items from 1979-1985 in accordance with Bulletin 132-13, Table B26; the update was reflected in the billing system.
  
33. Whether the cost of Cap-and-Trade emission allowances expected to be used in 2019 was improperly included in the transportation variable component, as projected, of the Statements of Charges as well as in the monthly invoices for the variable component. Resolution: The Department determined that the Statements of Charges included the cost of emission allowances used in the relevant year and the projected cost to purchase Cap and Trade allowances in the same year for future compliance periods. Actual cost of Cap-and-Trade auction purchases each year was reflected in invoicing rate to invoice monthly variable charges in the particular year. Hence no changes were necessary.
  
34. Whether the 2016 debt service amounts for various Oroville power projects were improperly revised and are \$222,000 less than the amount included in the variable component. Resolution: The Department updated the SAP with actual debt service amounts in May 2019.
  
35. Whether the \$2.1 million credit for the 2018 San Joaquin River Flow Augmentation Program collected through the transportation minimum component was improperly excluded from the Delta Water Charge calculation. Resolution: The Department included the \$2.1 million credit for the 2018 San Joaquin River Flow Augmentation Program in the Delta Water Charge calculation for the 2020 Statements of Charges.
  
36. Whether the amount included in the 2016 variable component for the P2426 FERC relicensing costs improperly differs from the amount on the debt service schedule by

- approximately \$18,000. Resolution: The Department updated the 2016 transportation variable costs, and the correction is reflected in the 2020 Statement of Charges.
37. Whether reimbursements for the Collaborative Adaptive Management Team of approximately \$110,000 were not recorded in time to be reflected in the 2019 Statements of Charges. Resolution: The Department made entries, totaling approximately \$110,000 in August 2018, to record the reimbursements received from the U.S. Bureau of Reclamation (USBR) for the Collaborative Adaptive Management Team. This was reflected in the 2020 Statements of Charges.
38. Whether the 2018 and 2019 Hyatt Thermalito power revenue used in the calculation of the Delta Water Charge was based on outdated costs, resulting in an understatement of net costs. Resolution: The billing methodology for the Delta Water Rate was based on cost projections from the Bulletin 132 planning process each year. The variance between transportation variable H-T power revenue and Delta Water Rate H-T power revenue each year was due to agreed-upon business processes by both the Department and the Contractors to reflect a more accurate transportation variable melded unit rate. Hence no changes were necessary.
39. Whether the Department incorrectly allocated the costs statewide for the Grant revenue of approximately \$145,000 for mussel inspections at the San Luis Recreation Area. Resolution: The Department updated the allocation process and moved the costs to the San Luis cost center. The correction is reflected in the 2020 Statements of Charges.
40. Whether the Municipal Water Quality Investigation (MWQI) charge for 2017 was improperly excluded from the transportation minimum component. Resolution: The Department included the MWQI charge for 2017 in the transportation minimum component, totaling approximately \$1,517,364. This correction was reflected in the 2019 Rebill.

41. Whether the Turnout costs were not excluded in calculation of the S-series alpha allocation cycles resulting in an overstatement of costs to the Contractors to calculate the S-series alpha allocation cycle percentages for CA-R8D of approximately \$19,060, for CA-R19 of approximately \$1,371, for CA-R20B of approximately \$13,028, and for CA-R29A of approximately \$958. Resolution: The numeric cost centers with the first 4 digits = 2500 were not filtered from the data set used to calculate the S-series alpha allocation cycles. Turnout costs were inadvertently included in S-series for the 2019 Statements of Charges. The costs were removed for the 2020 Statement of Charges.
42. Whether the credits for asset sales were improperly allocated to power cost centers within SAP, resulting in an understatement of costs to the Contractors in 2017 of approximately \$707,420. Resolution: The credits for asset purchase were accumulated in SAP by cost objects and allocated by SAP to reaches based on the Power Allocation Table (PAT). Per E&Y's Audit of 2021 SOC, credits for asset purchase were properly reversed out of the related power cost centers in SAP.
43. Whether the Department has incorrectly charged the Hyatt-Thermalito credit to the Delta Water Charge for years 2007, 2008, 2010, 2011, 2012, 2014, 2015, and 2016. Resolution: The Department updated the Hyatt-Thermalito (2,4,6) credits in 2016 to be consistent with the current WSRB schedules.
44. Whether the Department overestimated the Delta Water Charge for 2017 by approximately \$12,091 (PV of \$12,648) when the Department calculated the capital component of the Delta Water Charge based on the \$533,595,379 amount per CCOOROVLE, while the amount per SAP was \$533,583,288. Resolution: The Department applied the correction, and that was reflected in the 2020 Statement of Charges.
45. Whether the Minimum Delta Facilities costs used in the Delta Water Charge calculation improperly factored in the credit for the Water Purchase Program in 2018, resulting in an overstatement of costs to the Contractors of approximately \$2,668,450 (PV of

- \$2,092,200). Resolution: The Department applied the correction, and that was reflected in the 2020 Statement of Charges.
46. Whether costs pertaining to relinquished capacity do not conform to the relinquished capacity credits for years 1996 through 2035 within the Delta Water Charge calculation. Resolution: The Department corrected this inconsistency, and it was reflected in the 2020 Statements of Charges.
47. Whether a 2010 adjustment for KCWA Municipal Water Quality Investigation (MWQI) costs was incorrectly charged to 2015 MWQI costs. Resolution: The Department determined that the MWQI program allocated the costs correctly for both years.
48. Whether the 2017 cumulative unit rate instead of 2018 cumulative rate for Reach VEBX-2RC was used to calculate the transportation variable charge for San Bernardino Valley MWD in the 2018 calculated component in Attachment 4C of the Statement of Charges, resulting in an understatement of costs to San Bernardino Valley MWD of approximately \$23,152. Resolution: The Department applied the correction, and that was reflected in the 2020 Statement of Charges Rebill.
49. Whether the adjusted capital cost component included in Attachment 4D of the Statement of Charges to calculate the transportation capital charge improperly omitted the relinquished capacity credit for KCWA in the amount of approximately \$393,939 and for Dudley Ridge Water District in the amount of approximately \$24,777 for the year 2018. Resolution: The Department updated the relinquished capacity credit for the year 2018, and the correction is reflected in the 2020 Statements of Charges.
50. Whether costs of approximately \$2,990 for work performed at Buena Vista pumping plant, on Claim number 1347900, were improperly allocated to the Edmonston Pumping Plant in the 2019 Statements of Charges. Resolution: The Department reallocated approximately \$2,990 in costs from the Edmonston Pumping Plant to the Buena Vista pumping plant. This was reflected in the 2020 Statements of Charges.

51. Whether costs for work performed at the San Joaquin Field Division, on Claim numbers 1348021, 1349616 and 1350656, were improperly allocated statewide through alpha cost center 2200FAD111 in the 2019 Statements of Charges. Resolution: The Department determined that the costs were properly included in the Contractors' charges. This work was for the SWP Communications System Replacement project, which provides an alternate path segment for protection to the SWP Communications System.
  
52. Whether the 2017 actual amount used in the calculation of Available Funds for Rate Management Credits for On-Aqueduct Power Facilities Debt Service (Pyramid, Alamo, and Small Hydropower Projects) includes interest payments of approximately \$2,977,679, while the amount per SAP was incorrectly including approximately \$2,995,654, resulting in an overstatement of Available Funds for Rate Management Credits of \$17,975. Resolution: The Department reallocated approximately \$10,894 from the CVP Water System Revenue fund (0507017) to the Small Hydro Project fund (0507013) to reallocate cash related to the debt service payment made in June 2017. This correction was made in December 2020 and was reflected in the 2022 Statements of Charges.
  
53. Whether claim numbers 1353731 and 1347698, which include work performed for the Coastal Branch, had costs improperly allocated directly to Devil's Den Pumping Plant (CB2-R33A). Resolution: The Department determined that the repairs were performed on specific pumping plants in specific Reach 33A and therefore charges were properly allocated to specific plants and shall not be allocated coastal-wide. Claim number 1353731 included refurbishment of the air compressor, specifically at Polonio Pass Pumping Plant (POPP), which was correctly charged and identified through Plant Maintenance Order (PMO) 75000195532 in SAP. Claim number 1347698 included bridge crane repairs at Bluestone Pumping Plant (BLPP), which was correctly charged and identified through Plant Maintenance Order (PMO) 75000170597 in SAP. Hence no changes were necessary.

54. Whether costs, totaling approximately \$5,094, for work performed at Edmonston pumping plant, on Claim numbers 1341055 and 1356131, were improperly allocated to the San Joaquin Field Division, in the 2019 Statements of Charges. Resolution: The Department determined that the costs were properly included in the Contractors' charges. The work, totaling approximately \$5,094, was for fixing a door to the sandblasting room, which is used for work that benefits the entire field division and also other divisions.
55. Whether costs, totaling approximately \$6,864, for work performed at Las Perillas and Badger Hill Pumping Plants, on Claim number 1356131, were improperly allocated to the San Joaquin Field Division, in the 2019 Statements of Charges. Resolution: The Department reallocated approximately \$6,864 from the San Joaquin Field Division to Las Perillas and Badger Hill Pumping Plants. This was reflected in the 2022 Statements of Charges.
56. Whether costs, totaling approximately \$25,755, for work performed at Buena Vista Pumping Plant, on Claim number 1346694, were improperly allocated to the San Joaquin Field Division, in the 2019 Statements of Charges. Resolution: The Department reallocated approximately \$25,755 from the San Joaquin Field Division to the Buena Vista Pumping Plant. This was reflected in the 2022 Statements of Charges.
57. Whether costs, totaling approximately \$17,984, for work performed at Edmonston Pumping Plant, on Claim numbers 1354895 and 1348454, were improperly allocated to the San Joaquin Field Division, in the 2019 Statements of Charges. Resolution: The Department determined that the costs were properly included in the Contractors' charges. The Intercon Security System's invoices, totaling \$17,984, were for vehicle and gas charges, which provided security services for the whole San Joaquin Field Division, not just Edmonston Pumping Plant.
58. Whether costs, totaling approximately \$6,664, for work performed at Edmonston, Chrisman, Teerink, and Buena Vista Pumping Plants, on Claim numbers 1341056 and 1338070, were improperly allocated to the San Joaquin Field Division, through alpha cost

- center 2300FFN907. Resolution: The Department reallocated costs, totaling approximately \$6,664, from the San Joaquin Field Division to the plants where the work was performed in July 2021.
59. Whether costs, totaling approximately \$586,728, for work performed at the San Joaquin Field Division, on Claim numbers 1350631, 1351993 and 26 other Claim numbers , were improperly allocated to the Coastal Branch as well, through alpha cost center 2300FFN907. Resolution: The Department determined that the costs were properly included in the Contractors' charges. Invoice costs for work performed at the San Joaquin Field Division were correctly allocated to include the Coastal Branch Reaches 31A and 33A, as Coastal is maintained and part of the San Joaquin Field Division. Costs incurred at the San Joaquin Field Division headquarters or the Area Control Center will have a percentage allocated to the Coastal reaches.
60. Whether costs, totaling approximately \$15,510, for work performed at Teerink, Chrisman and Edmonston Pumping Plants, on Claim numbers 1343368, 1341123, 1350993, and 1355617, were improperly allocated to the San Joaquin Field Division through alpha cost center 2300FFN907. Resolution: In July 2021, the Department reallocated approximately \$15,510 from the San Joaquin Field Division to the plants where the work was performed.
61. Whether Claim number 1368419 with dollar amount of \$6,088, which includes work performed for the Coastal Branch, had costs improperly allocated directly to Devil's Den pumping plant (CB2-R33A). Resolution: The Department determined that the repairs were performed on specific pumping plants in specific Reach 33A and therefore charges were allocated to specific plants and shall not be allocated coastal-wide. Claim number 1368419 included refurbishing the air compressor specifically at Bluestone Pumping Plant (BLPP) through PMO 75000200035 using FA WR23008715030000, Polonio Pass Pumping Plant (POPP) through PMO 75000205841 using FA WR23008715040000, Devil's Den Pumping Plant (DEPP) through PMO 75000205842 using FA WR23008715020000, which was correctly charged using appropriate Reach-Feature of Reach 33A- Specific Plants where repairs were made. Hence no changes were necessary.

62. Whether costs, totaling approximately \$31,629, for work performed at Edmonston pumping plant, on Claim numbers 1367605, 1359429, 1366826 and 1369030, were improperly allocated to the San Joaquin Field Division through alpha cost center 2300FFN907. Resolution: Costs totaling \$17,487 for the Commercial Door invoices and the Hazardous Services invoices were moved to the Edmonston P.P., where the work was performed in July 2021. The Inter-con Security invoices, totaling \$14,142, were for vehicle and gas charges which benefit the entire field division, so these costs will not be moved.
63. Whether costs, totaling approximately \$30,398, for work performed at Lost Hills, Buena Vista, Teerink, Chrisman, Edmonston, Las Perillas and Badger Hill pumping plants, on Claim numbers 1366263 and 1360961, were improperly allocated to the San Joaquin Field Division through alpha cost center 2300FFN907. Resolution: In July 2021, the Department reallocated approximately \$30,398 in costs for Commercial Door invoices from the San Joaquin Field Division to the plants where the work was performed.
64. Whether costs, totaling approximately \$32,056, for work performed at Chrisman pumping plant, on Claim numbers 1364828 and 1359429, were improperly allocated to the San Joaquin Field Division through alpha cost center 2300FFN907. Resolution: The Department determined that the costs were properly included in the Contractors' charges. The work was for waste removal services at the O&M center, which is located at the Chrisman pumping plant. The O&M center benefits the entire field division.
65. Whether costs, totaling approximately \$13,900, for work performed at Buena Vista, Teerink, Chrisman, Edmonston, Las Perillas and Badger Hills pumping plants, on Claim number 1366263, were improperly allocated to the San Joaquin Field Division through alpha cost center 2300FFN907. Resolution: In July 2021, the Department reallocated approximately \$13,900 in costs for Commercial Door invoices from the San Joaquin Field Division to the plants where the work was performed.

66. Whether costs, totaling approximately \$731,893, for work performed at the San Joaquin Field Division, on Claim numbers 1366826, 1365679, and 29 other Claim numbers, were improperly allocated to the Coastal Branch as well, through alpha cost center 2300FFN907. Resolution: The Department determined that the costs were properly included in the Contractors' charges. Invoice costs for work performed at the San Joaquin Field Division were correctly allocated to include the Coastal Branch Reaches 31A and 33A, as Coastal is maintained and part of the San Joaquin Field Division. All costs incurred at the San Joaquin Field Division headquarters or the Area Control Center will have a percentage allocated to the Coastal reaches.
67. Whether the S-series alpha allocation cycle update calculation improperly excluded costs tracked by the Department that should have been reflected in the calculation, resulting in a reallocation of costs of approximately \$9,859 among the Contractors in 2018. Resolution: Exclusion of several costs from S-Series alpha cycle update calculation impacted the 2018 alpha allocation cycle FFE-908 percentages and the three-year average used to calculate the alpha allocation cycle FFE-908 percentages for the 2020 Statements of Charges. Per E&Y's Audit of the 2021 Statements of Charges, the costs were included in the current-year S-series alpha allocation cycle update.
68. Whether the updated alpha allocation cycle percentages for ADE-900 and ADF-900 within the SAP were not used for the S-series alpha allocation cycle update, resulting in a reallocation of costs among the Contractors in 2018 based on the approximately \$634,012 and \$634,747 costs in alpha allocation cycles ADE-900 and ADF-900, respectively. Resolution: Per E&Y's Audit of the 2021 Statements of Charges, the correct alpha allocation cycle percentages for ADE-900 and ADF-900 were used in the S-series update. No further changes are necessary.
69. Whether master data related to EBX Reach 3D was not finalized before the 2020 Statements of Charges and was improperly excluded from the calculation of the S-series alpha allocation cycle update. Resolution: Per E&Y's 2021 Statements of Charges Audit, EBX Reach 3D now receives an allocation within the S-series update.

70. Whether the Department incorrectly charged the Hyatt–Thermalito credit to the Delta Water Charge for years 2007, 2008, and 2011. Resolution: The Department updated the Hyatt-Thermalito (2,4,6) credit to be consistent with the current WSRB schedules.
71. Whether corrections to SAP data during May 2019 were improperly excluded from the Delta Water Charge calculation, specifically to MCOCA-R1, MCOCA-R2A, MCOCA-R2B, MCOSANLUIS, MCOCA-R3 cost center groups, and not reflected in the 2020 Statements of Charges, resulting in an overstatement of costs to the Contractors of \$470,441. Resolution: Per E&Y's 2021 Statements of Charges Audit, these corrections are included in the 2021 Delta Water Charge calculations.
72. Whether the capital component to the Delta Water Charge included pre-funding of Oroville spillway recovery costs which were in excess of the 2019 projections vs. allocating these costs to the 2020 year, resulting in an overstatement of interest costs allocated to the Contractors' PV of \$1,292,979. Resolution: Per E&Y's 2021 Statements of Charges Audit, the prefunding of Oroville spillway recovery costs was no longer in excess of 2019 projections.
73. Whether the adjustments to remove costs associated to the Change of Point of Delivery (CPOD) water purchase program project did not conform to the associated Internal Orders (IOs) in the SAP Module, UCABS for 2016 and 2017. Resolution: Per E&Y's Audit of the 2020 Statement of Charges, the CPOD water purchase program project conforms to the associated IOs in the SAP Module, UCABS within the 2021 SWC calculation for 2016 and 2017.
74. Whether the adjustments to remove costs associated to the Change of Point of Delivery (CPOD) water purchase program project incorrectly included recreation costs for 2016, 2017, and 2018. Resolution: Per E&Y's Audit of the 2020 Statement of Charges, the CPOD water purchase program correctly excluded the recreation costs within the 2021 Delta Water Charge calculation for 2016, 2017, and 2018.

75. Whether the corrections to SAP data during March through June (up to the cutoff date of the SOC of June 21, 2019) were incorrectly excluded from the Coastal reallocation calculation specifically to CB Reaches 33B, 34, and 35. Resolution: Per E&Y's Audit of the 2020 Statement of Charges, the corrections are now included in the Coastal reallocation calculation.
  
76. Whether the Department has incorrectly charged the Hyatt–Thermalito credit to the Delta Water Charge for years 2007 and 2008. Resolution: The Department updated the Hyatt-Thermalito (2,4,6) credit to be consistent with the current WSRB schedules.
  
77. Whether the Department has incorrectly charged Santa Barbara County for Transportation Minimum in 2007 and 2008. Resolution: The Department provided explanations and detail for increased expenditures in 2007 and 2008.
  
78. Whether the Department has incorrectly charged the commitment fees for the Series 2 commercial paper line totaling \$4.5 million. Resolution: The Department allocated the commitment fees consistent with current procedures.

**EXHIBIT 3**

**ISSUES THAT MAY BE EXCLUDED FROM THE TERM “CLAIMS” UPON 60 DAYS  
ADVANCE NOTICE**

1. The Department of Water Resources’ change in funding the costs of the San Joaquin Valley Drainage program from the Capital Facilities Account (as established pursuant to Article 51 (b) (1) of the State Water Contract) prior to 2006 to operations and maintenance costs beginning in 2006, but not including the Department’s retention of unused Capital Facility Account balances in 2006 and 2007 for anticipated future year capital expenditures (which retention issue shall not be subject to exclusion upon 60 days notice).
  
2. All Claims arising out of or related to the determination, allocation and/or payment of fish and wildlife enhancement and recreation costs incurred in constructing, operating and maintaining the State Water Project Perris Reservoir and any of its appurtenant, ancillary or related facilities, including, but not limited to, such costs associated with any actions taken at Perris Reservoir to address seismic safety issues. (“Claims” as used in this item 2, does not include the issue described in Exhibit 1, item 1.)

**EXHIBIT 4**

**CONTRACTORS WHICH SIGNED PRIOR TOLLING AGREEMENT AMENDMENT  
EXTENDING TOLLING PERIOD TO DECEMBER 31, 2021 AND WHICH ARE EXPECTED  
TO ENTER INTO AMENDMENT TO EXTEND TOLLING PERIOD TO  
DECEMBER 31, 2023**

Valerie Pryor, General Manager  
Alameda County FC&WCD, Zone 7  
100 North Canyons Parkway  
Livermore, CA 94551

Mark Gilkey, Manager-Engineer  
Dudley Ridge Water District  
286 W. Cromwell Ave  
Fresno, CA 93711-6162

Ed Stevenson, General Manager  
Alameda County Water District  
43885 So. Grimmer Blvd.  
Fremont, CA 94537

Scott Sills, Manager  
Empire West Side Irrigation District  
P.O. Box 66  
Stratford, CA 93266

Dwayne Chisam, General Manager  
Antelope Valley/East Kern Water Agency  
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Palmdale, CA 93551-2855

Amelia Minaberrigarai, General Counsel  
Kern County Water Agency  
P.O. Box 58  
Bakersfield, CA 93302

Bruce Alpert, County Counsel  
Butte County  
2279 Del Oro Avenue, Suite A  
Oroville, CA 95965

Edward Hill, Administrative Officer  
County Of Kings  
1400 West Lacey Blvd  
Hanford, CA 93230

Matthew Stone, General Manager  
Santa Clarita Valley Water Agency  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

James Chaisson, General Manager  
Littlerock Creek Irrigation District  
35141 N.87<sup>th</sup> Street East  
Littlerock, CA 93543

David Vaughn, City Manager  
City of Yuba City  
1201 Civic Center Blvd  
Yuba City, CA 95993

John Schlotterbeck, Senior Deputy General  
Counsel  
Metropolitan Water District  
P.O. Box 54153  
Los Angeles, CA 90054

Jim Barrett, General Manager  
Coachella Valley Water District  
P.O. Box 1058  
Coachella, CA 92236

Kathy Cortner, General Manager  
Mojave Water Agency  
13846 Conference Center Drive  
Apple Valley, CA 92307

Jennifer Spindler, General Manager  
Crestline/Lake Arrowhead Water Agency  
P.O. Box 3880

Christopher Silke, District Engineer  
Napa County FC & WCD  
1195 Third Street, Room 201

FINAL DRAFT  
November 5, 2021

For Settlement Discussion Purposes Only  
Subject to California Evidence Code Sections 1152/1154

Crestline, CA 92325

Napa, CA 94559

Mark Krause, General Manager  
Desert Water Agency  
P.O. Box 1710  
Palm Springs, CA 92263-1710

Anthea Hansen, General Manager  
Oak Flat Water District  
P.O. Box 1596 / 17840 Ward Avenue  
Patterson, CA 95363

Peter Thompson II, Resource and Analytics  
Director  
Palmdale Water District  
2029 East Avenue Q  
Palmdale, CA 93550

Rick L. Callender, Esq., Chief Executive  
Officer  
Santa Clara Valley Water District  
5750 Almaden Expressway  
San Jose, CA 95118

Heather Dyer, Chief Executive General  
Manager  
San Bernardino Valley MWD  
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San Bernardino, CA 92408

Roland Sanford, -General Manager  
Solano County Water Agency  
810 Vaca Valley Parkway  
Vacaville, CA 95688

Darin Kasamoto, General Manager  
San Gabriel Valley MWD  
P.O. Box 1299  
Azusa, CA 91702

Jacob Westra, General Manager  
Tulare Lake Basin WSD  
1001 Chase Avenue  
Corcoran, CA 93212

Lance Eckhardt, General Manager  
San Geronio Pass Water Agency  
1210 Beaumont Avenue  
Beaumont, CA 92223

Glenn Shephard, Director  
Ventura County Watershed Protection District  
800 S. Victoria Avenue  
Ventura, CA 93009-1600

and

Kate Ballantyne, Deputy Director  
San Luis Obispo County FC&WCD  
976 Osos Street, Room 206  
San Luis Obispo, CA 93408

Michael Flood, General Manager  
Casitas Municipal Water District  
1055 Ventura Avenue  
Oakview, CA 93022-9622

Matthew Young, Water Agency Manager  
Santa Barbara County Water Agency  
123 East Anapamu Street, 2nd Floor  
Santa Barbara, CA 93101-2058

and

Ray Stokes, Executive Director  
Central Coast Water Agency  
255 Industrial Way  
Buellton, CA 93427-9565

# SOLANO COUNTY WATER AGENCY



## MEMORANDUM

**TO: Board of Directors**

**FROM: Roland Sanford, General Manager**

**DATE: December 2, 2021**

**SUBJECT: December General Manager's Report**

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### Water Supply Outlook

On December 1<sup>st</sup> the Department of Water Resources (DWR) posted the preliminary water supply allocation for 2022 and as expected, the news was bleak in view of the near absence of snow in the Sierras and very low reservoir storage in Lake Oroville and other State Water Project storage facilities. For now, DWR intends to limit 2022 water deliveries to what is considered the minimum amount of water needed for human health and safety purposes (55 gallons per day per person). What that translates to in acre-feet for Solano has yet to be determined by DWR, but it's safe to say it won't be much. Thankfully full water supply allocations are still anticipated from Lake Berryessa in 2022. Stay tuned and hope for a white Christmas in the Sierras.

### Putah Creek salmon run

As recently reported in the Winters Express, poor water quality conditions near the confluence of Putah Creek and the Toe Drain that eventually enters Cache Slough have resulted in fish kills and effectively prevented adult salmon from spawning in Lower Putah Creek. To date only five adult salmon have reportedly been observed in Putah Creek upstream of Stevenson Bridge, while over 80 adult salmon have been found dead, along with other fish species such as Carp, at and near the confluence with the Toe Drain. The fish kills are attributed to the decomposition of aquatic weeds and other plant material, which in turn resulted in persistently low dissolved oxygen concentrations. More succinctly, the fish died of asphyxiation. Localized areas of low dissolved oxygen, for short durations, have been observed in the Toe Drain in prior years. However, both the duration and aerial extent of the "low dissolved oxygen zoon" is unprecedented, at least in recent decades. Investigations are ongoing to determine the factors that contributed to the persistently low dissolved oxygen concentrations.

The fish kill and resulting near absence of spawning salmon in Putah Creek this Fall is disheartening on a number of levels. Considerable effort has been made to improve habitat conditions in Putah Creek. The Water Agency has been funding a long-term study to determine whether a self sustaining population of Chinook salmon will or already has become established

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in Putah Creek, and this was thought to be one of the first years in which there was a reasonable chance of conclusively documenting that at least some of the returning Chinook salmon were born in Putah Creek, as opposed to hatchery strays.

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

**Construction Contract Change Orders (15% of original project costs or \$50,000, whichever is less) - None**

**Construction Contracts (\$45,000 and less) – None**

**Professional Service Agreements (\$45,000 and less) – None**

**Non-Professional Service Agreements (\$45,000 and less) – None**

**Construction contracts resulting from informal bids authorized by SCWA Ordinance- None**

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

# NEWS ARTICLES



# DAILY REPUBLIC

Solano County's News Source

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A Chinook Salmon swims in Putah Creek, in Winters, Friday, Dec. 9, 2016. Seventy-six salmon died after heavy rains Monday, Oct. 24, 2021, when the oxygen content at the lower end of Putah Creek reached extremely low levels due to a high organic material backup. (Daily Republic file)

# Water quality issue from Yolo refuge overflow has killed 76 salmon

By **Todd R. Hansen**

WINTERS — Seventy-six Chinook salmon died when the oxygen content at the lower end of Putah Creek reached extremely low levels due to a high organic material buildup in the water.

It is possible, however, that as many as two dozen of the fish perished because beavers had stopped the flow of water before their dams could be breached, said Rich Marovich, the retiring streamkeeper for the Lower Putah Creek Coordinating Committee and the Solano County Water Agency.

Only four salmon are known to have traveled upstream to spawning areas since the boards at the Los Rios Check Dam were removed Nov. 2.

“It’s an unfolding story. It’s early in the migration season so if we get some more rain events, we attract more fish,” Marovich said. “So it’s not necessarily a dire result at this point, but it is a concern.”

Marovich said the heavy rains Oct. 24 dislodged loads of organic material and caused an overflow from the east levee to drain into the Yolo Bypass Wildlife Area.

When the refuge then used that water to flood rice fields for waterfowl habitat, some of that water spilled into Putah Creek. Microbes that eat the organic material, in turn, use up more of the oxygen in the water.

The extra organic material in the water does not affect waterfowl, but salmon are sensitive to oxygen levels.

“And it also killed carp and striped bass, which are much hardier fish,” Marovich said.

Marovich said the circumstances that led to the salmon mortality had never happened before as far as he knows, and the water district is investigating to determine what actually happened.

The die-off comes in a year when the boards at the Los Rios dam had been pulled on one of the earliest dates ever, which allowed the salmon to proceed up the creek earlier as well.

Marovich said the salmon carcasses will be studied as part of the UC Davis research to determine if any of those returning to spawn started their lives in Putah Creek.

Marovich’s last day is Dec. 30. The new streamkeeper, who will start his job Jan. 10, is Max Stevenson. He has been working for the Yolo County Flood Control and Water Conservation District.

# Putah Creek Council hires on new executive director

Putah Creek Council  
*Press Release*

Putah Creek Council's Board of Directors is excited to announce that it recently hired Phil Stevens as the organization's new executive director, starting in December 2021.

"Phil has a strong skillset of previous experiences that include management as executive director of a similar organization, fundraising, restoration, and strategic planning. He brings a lot of enthusiasm to this position, and we're excited about the future of Putah Creek Council as we grow with Phil as the critical part of our team," said Brian Bellamy, Chair of the Board.

Stevens has been a passionate conservation professional for over two decades. His earlier work with The Nature Conservancy included leadership positions responsible for securing donor



Courtesy photo

## Phil Stevens

funding as well as program development. Later he led the Urban Creeks Council, a Bay-area nonprofit dedicated to protecting and restoring urban streams.

As executive director for that organization, with a comparable mission to Putah Creek Council, he dealt with many similar tasks of project development, managing restoration activities, coordination with other agencies, community outreach, and fundraising. His conserva-

tion work continued as associate director for Marine Applied Research and Exploration followed by forming and becoming principal of the firm Overstory Land Stewardship, which focuses on ecologically sensitive land management.

Stevens has followed the work of Putah Creek Council for some time and is very excited to become the new executive director.

"Putah Creek Council has a remarkable record of achievement over the years. I feel tremendously honored to have a chance to contribute to the organization's continuing success," said Stevens.

Putah Creek Council's mission is to support regional ecosystems through advocacy, education, and community-based stewardship. To learn more, visit online [www.putahcreekcouncil.org](http://www.putahcreekcouncil.org) or [facebook.com/putahcreekcouncil/](https://facebook.com/putahcreekcouncil/).

# Putah Creek salmon deaths set back conservation efforts

By Rick von Geldern  
*Express staff writer*

The annual fall Putah Creek salmon run typically starts in mid-November and can last into the first week of January.

What should be a banner year for the return of spawning Chinook salmon is instead facing a di-

sastrous start.

Over the past decade, fall-run Chinook salmon started returning to spawn in Putah Creek in encouraging numbers. The return can be attributed to a collective effort of government agencies, volunteers and farmers.

Rich Marovich, Streamkeeper of lower Putah Creek for the Solano County Water Agency, has worked for decades to restore and increase the number of Chinook salmon

returning to spawn in Putah Creek. The agency, he said, put up \$175,000 for salmon study this year but noted one problem: "Now we need the salmon to study."

Marovich said he thought they were well-prepared this year, but thus far only five large fish have been counted upstream.

"It's shaping up to be perhaps the worst run ever if we can't find out what's going wrong and doing

**See SALMON, Page 5**



## SALMON

Continued from Page 1

something about it," Marovich said.

"Eighty-one Chinook have died on our doorstep," Marovich said. The reason is low dissolved oxygen in the water and salmon need a high level of oxygen to survive, he said. To his knowledge, the low oxygen situation is "unprecedented."

"Nothing like this has happened in the 20 years that I've been streamkeeper, so there's something new going on. We really don't understand it," said Marovich.

Several hundred Chinook typically complete the run each year. A peak run occurred in 2017, with about 1,700 fish and their offspring were expected to return in three to four years, he said. Very few fish return after five years at sea due to the pressures of ocean fishing, so the 2017 peak run is not seeing the return numbers anticipated for 2021.

While low dissolved oxygen is a natural occurrence, it is not normal to persist for weeks. Levels do fluctuate and drop at night

### **"Nothing like this has happened in the 20 years that I've been streamkeeper, so there's something new going on."**

**Rich Marovich, Streamkeeper**

during respiration as oxygen is drawn out of the water and then increases during the day as aquatic vegetation releases oxygen into the water during photosynthesis. Yet the low dissolved oxygen level has dropped precipitously over the past three weeks and hasn't shown signs of recovery.

Along the east levee of the Yolo Bypass is a toe drain that connects the mouth of Putah Creek to Prospect Slough, the Sacramento River and the Delta. Marovich said the water at the toe drain looks black as though it is loaded with organic matter and is so bad that it is killing carp.

Marovich drove around the 14,000 acres of the wildlife refuge and saw dead carp everywhere.

"Carp do not usually die from bad water

When you're killing the carp then something is drastically wrong," Marovich said.

As far as pollutants being placed in the water causing the low dissolved oxygen condition, Marovich said, "I don't think you have to look for exotic explanations. Low dissolved oxygen is sufficient to kill fish and instances of toxic substances are exceedingly rare these days."

Although the condition has been reported to various agencies, Marovich is concerned that the call is not being met with urgency and expediency.

The water agency sent out a hydrologist to survey the dissolved oxygen in the toe drain and plans are in place to conduct a boat survey up from the delta to see how far the bad water

extends back into the toe drain.

Marovich said the Delta Watermaster should be overseeing and preserving the Delta's water quality. He wrote a letter regarding the water quality on Nov. 24. At this time, he said, "water quality is not being protected" and speculated that the low dissolved oxygen levels are created by low flow zones in the toe drain as water is diverted by agriculture, flooding for duck clubs and waterfowl habitats.

With salmon on decline and threatened, "The chance to establish native origin fish returning to establish a unique population in Putah Creek is important to the recovery of salmon as a whole," Marovich said. "We could have potentially 3,000 spawners in Putah Creek each year," he added.

Marovich said this situation is something they've not seen before and may take a while to figure out.

"We're seeking answers and we don't have them yet," Marovich said.

SHAR



**WATER  
ADVISORY  
COMMISSION  
UPDATES**

**Solano Water Advisory Commission**  
**Meeting Minutes**  
**October 27, 2021**

Present: Roland Sanford, Chris Lee, Thomas Pate, Alex Rabidoux, and Jeff Barich, SCWA; Michael Hether, Fairfield; Curtis Paxton and Justen Cole, Vacaville; Beth Schoenberger and Melissa Cansdale, Vallejo; Scott Alman, Dixon; Talyon Sortor, FSSD; Misty Kaltreider, Solano County; Bryan Busch, RD 2068.

The meeting was called to order at 12:36 PM.

1. Approval of Minutes

The minutes of the Sept 22, 2021 meeting were approved.

2. Emerging Issues

For drought impact, the last storm added almost 50-TAF to Lake Berryessa. There have been no significant water conservation changes to the Solano cities or by the Governor. For the November Board meeting, Roland will include an update in the General Manager's Report and a brief update to the Board. If the cities can share any of their water conservation records with SCWA, that would be helpful information. The San Jose Mercury News also wrote an interesting article on water conservation on 7/21, see link below.

<https://www.mercurynews.com/2021/07/21/california-drought-heres-how-to-use-15-less-water/>

Thomas provided some historical background on the regional water supply interconnection project. Back in 2014-2015 the drought was getting so bad that the Napa and Solano agencies began discussions on the development of an intertie between the PSC and the NBA. The Water Agency looked at a few locations where both the NBA and PSC are in close proximity, including the old DWR Terminal Reservoir Pumping Plant, Cement Hill, and Cordelia Forebay. The PSC to Cordelia Forebay location was the best option, as the PSC is immediately adjacent and above the Cordelia Forebay. One of the challenges with the specific location is the PSC has limited capacity. The Napa users were going to pay for all of the implementation costs, and an agreed upon \$/AF cost was also pre-determined to be shared and consistent across the Solano agencies. The Solano agencies that were interested in the transfer, had also agreed to what volume of water they were willing to sale to Napa County. In the end, the project was not needed and no further work was done.

Besides the interconnection project, the other key aspect of the prior and current drought is the installation of Delta Barriers, which could impact NBA water quality. In 2015, DWR did an Emergency Drought Barriers Project, but NBA impacts were not analyzed. DWR is now looking at potential Barriers at Miner and Steamboat Sloughs, which have a greater potential to impact NBA water

quality than the currently (and previously) installed West False River Barrier. The soonest these new barriers could be installed would be 2022. DWR is planning on leaving the West False River Barrier in, but will notch it. The West False River Barrier has negligible impact on the NBA. Back in 2014 the SWCs modeled all of these planned barriers, which showed major EC degradation of the NBA. However, the EC degradation at the NBA was a balance of even greater EC degradation at the South Delta SWP intake, essentially shared pain across the SWP system. The challenge with the Delta, is once salinity control is lost, it cannot be easily reversed.

For the Water Exchange Policy, the definition of harm was defined, and the policy is complete.

3. SCWA General Manager's Report

For the November SCWA Board Meeting, there are no major agenda items expected. In regards to the NBA, there are no major updates. There was a recent quarterly DWR-NBA users meeting, and planned shutdown today. Similarly for the Solano Project, there are no major updates. For the VSA agreement, the state has dismissed the San Joaquin Valley users, and the group will now focus strictly on the various Sacramento Valley groups.

4. Groundwater Planning

Chris provided a brief update to the Commission. The draft GSP is out for public review and comment. The main report is 450-pages with the appendices comprised of over 6,000-pages. The final GSP will be submitted to DWR by January 15, 2022.

5. Solano County Report

Misty provided a brief update to the Commission. The County is trying to obtain DWR funding for 4 levee improvement projects. The Little Egbert Tract group is working with the City of Rio Vista to form a JPA to obtain funding and do upgrades to the Mellin Levee, as well as improvements along Hwy 84 and Hwy 12. On the Cache Slough HCP, the Resource Agencies have a lot of questions that the County is trying to work through. The County is also involved in a Drought Task Force.

6. PSC/NBA Maintenance

For the PSC, after the large 10/24 storm event, a large number of panels buckled and broke on the PSC Liner between Fairfield and the Terminal Reservoir. SCWA/SID will need to do emergency repairs on the impacted reach of the PSC.

7. Legislative/Initiative/Court Decision Issues Not Discussed Above

There have been some legislative changes, and additional funding is expected from USBR to support programs like the Lake Berryessa mussel program.

8. New Business  
None

9. Public Comments  
None

The next meeting will be December 1, 2021 at 12:30 PM.

The meeting adjourned at 1:54 PM.

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: December 9, 2021

SUBJECT: Lake Berryessa Boater Outreach Program

RECOMMENDATIONS:

1. Hear presentation on 2021 Lake Berryessa Invasive Mussel Prevention Program.
2. Hear update on property search for permanent boat inspection and decontamination station and provide direction to staff.

FINANCIAL IMPACT:

None.

BACKGROUND:

*Invasive Mussels*

The primary goal of the Lake Berryessa Boater Outreach Program is to prevent the introduction of quagga, zebra, and other invasive species into Lake Berryessa. Neither quagga nor zebra mussels are native to North America. Both mussels are extremely prolific and by sheer numbers, capable of severely fouling water conveyance facilities and causing significant ecological damage. If or when quagga and/or zebra mussel populations become established in Lake Berryessa, they are likely to spread to Lower Putah Creek, the Putah South Canal, and any water body that ultimately receives agricultural return flow water that originates from Lake Berryessa, including the Cache Slough Complex and Barker Slough (source water for North Bay Aqueduct).

Recommended: \_\_\_\_\_  
Roland Sanford, General Manager

Approved as  
Recommended

Other  
(see below)

Continued on  
next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, 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 December 9, 2021 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford  
General Manager & Secretary to the  
Solano County Water Agency

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The economic impacts of quagga and/or zebra mussel infestations are potentially significant, though difficult to quantify (see attached). Although it may be inevitable that Lake Berryessa becomes infected with quagga or zebra mussels, the potential water infrastructure operation and maintenance cost associated with mussel infestations is in itself sufficient justification for implementing programs that at the very least delay mussel infestations at Lake Berryessa.

*Search for permanent mussel decontamination site*

In 2017 the Water Agency purchased a mobile boat decontamination station that due to limited site availability has been located in a remote overflow parking lot over five miles off of Highway 128. Ideally, a boat decontamination station would be located at each Lake Berryessa boat launch facility. However, site constraints, either physical or institutional, make that option impractical. While generally supportive, the resort operators are reluctant to dedicate space – assuming space is even available - that they believe could be used for profit generating purposes, and/or because of the additional liability (possible damage to watercraft during decontamination, spillage of contaminated liquids, etc.) associated with operation of a boat decontamination facility.

Pursuant to Board direction, in 2019 staff began to explore the feasibility of purchasing property for the purposes of providing a permanent, highly accessible boat decontamination station. The search for a suitable property has been more difficult than anticipated. In 2020, staff retained Terra Realty Advisors, Inc. to assist with the identification of suitable properties. Staff and representatives from Terra Realty Advisors, Inc. will brief the Board on the status of the property search.

# WATER POLICY UPDATES

# North Bay Watershed Association

## Board of Directors Meeting - DRAFT Summary

November 5, 2021 | 9:30 – 11:30 a.m.

IN ACCORDANCE WITH THE GOVERNOR'S EXECUTIVE ORDERS N-25-20 AND N-29-20 WHICH SUSPENDS CERTAIN REQUIREMENTS OF THE BROWN ACT, THIS MEETING WILL BE HELD VIRTUALLY VIA REMOTE CONFERENCING SERVICE — NO PHYSICAL MEETING

LOCATION

Zoom Meeting

[www.nbwatershed.org](http://www.nbwatershed.org)

### 1. **Welcome and Call to Order—Directors or Member Representatives Present Included:**

Michael Boorstein – Central Marin Sanitation Agency	Ryan Gregory – Napa Sanitation District
Leon Garcia—City of American Canyon	Elizabeth Patterson – Solano County Water Agency
Pat Eklund - City of Novato	Trisha Meisler – Sonoma Water
Damon Connolly – County of Marin	Ryan Pedrotti – Sonoma Water
Chris Choo – County of Marin	Andy Rodgers – NBWA
Susan Gorin – County of Sonoma	Sabrina Marson – NBWA
Larry Russell – Marin Municipal Water District	Rob Dusenbury - Lotus Water
Rick Fraites – North Marin Water District	Susan Stompe - Marin Conservation League
Tony Williams – North Marin Water District	Chance Cutrano
Jean Mariani – Novato Sanitary District	Stephen Keese
Megan Clark - Las Gallinas Valley Sanitary District	Cheryl Howlett – Marin Water
Pamela Meigs – Ross Valley Sanitation District	

Twelve NBWA board members attended the meeting comprised of 23 agency staff, stakeholders, partners, and interested members of the public.

Call to Order – Director Jean Mariani called the meeting to order at 9:34 am via Zoom.

2. **General Public Comment** - None
3. **Agenda Review and Approve Past Meeting Minutes**– Director Connolly asked for any Board members to speak up if there were requested changes to the agenda. No comments.

Director Russell moved to accept the agenda - Director Fraites seconded. Unanimously accepted.

*[Robert Dusenbury was late to join. Agenda modified to move agenda item 7. Executive Director Report to after the Treasure's Report]*

Director Russell moved to approve the past meeting summary. Director Fraites seconded. Director Eklund abstained. Unanimously approved.

### 4. **Treasurer's Report**

Director Garcia moved to accept the Treasure's Report - Director Eklund seconded. Unanimously accepted.

### 5. **Guest Presentation— Applied One Water Policy: Orange Memorial Park Regional Stormwater Capture Project**

*Robert Dusenbury, Lotus Water*

Robert will provide an overview of the Bay Area's first regional stormwater capture project. The project captures stormwater runoff from six different municipalities to remove trash and contaminants, treat and use water for park irrigation, recharge the underlying groundwater basin, and reduce local flood risk.

The project was conceived as a primarily a water quality project, but is multi beneficial. The goals are to 1) DIVERT flows from Colma Creek for treatment, beneficial reuse, and local flood reduction; 2) CLEAN contaminants from creek per MRP requirements using green infrastructure (settling, infiltration, reuse) Mercury, PCB's, and Trash; 3) REUSE treated water for irrigation, water trucks, and groundwater recharge.

- Original project concept is from San Mateo County Stormwater Resource Plan (SWRP).
- SWRP concept attracted \$9.5M funding from Caltrans
- In September 2019, an additional \$6M was procured from Caltrans for \$15.5M total
- Construction began last month March 2021

#### Interagency Coordination

- Internal coordination with Public Works and Parks Department (landowner)
- San Mateo County Sea Level Rise and Resiliency District (canal owner)
- Cal Water and San Francisco Public Utilities Commission (water providers)

#### Project Elements

- Instream Diversion
- Grit/Trash Chamber
- Diversion Pipe
- Flow Splitter
- Cistern & Infiltration Gallery
- Water Quality Treatment Shed

#### Estimated Benefits

- Water quality treatment provided to 2,468 acres of equivalent watershed area
- 640 acre-feet of water diverted and cleaned annually
- 15 MG of potable water offset per year; \$140,000 annually in water savings
- 240 acre-feet of groundwater recharge annually
- 10 grams of PCBs removed annually
- 30 grams of mercury removed annually

#### Permitting Requirements for Monitoring

- Established primarily by the 401 Permit and Waste Discharge Requirements administered by the Bay Area Regional Water Board
  - Water Quality Compliance Monitoring (many constituents)
  - Performance Monitoring (PCB and Hg removal)
  - Flow Monitoring (water balance with fate of treated waters)
- The water reuse system is regulated by the City itself
  - IAPMO 324 certification

#### Questions/Comments

Director Ryan: How long was the vision to construction phase?

Dusenbury: From the time they were hired to take the project concept and advance it to design development, outreach and construction took a little over 3 years. The CalTrans funding had an expiration date.

Director Meigs: Are you recycling any of the water to give to the community individuals or it is just for the project.

Dusenbury: Not directly. Irrigating the three parks is contribution to the city. There is a filling station that city non-potable trucks can use to fill up.

Director Meigs There's no pumping to get it to storage?

Dusenbury: They saw in the channel itself that there was about a four-foot drop, may have been a flood control measure. There was also gradual drop as the channel moved east towards the bay. They took advantage of those two things. They gained about 5-6 feet of grade bringing them closer to the service. There are projects like this in Southern California, this is one of the first of its kind in Northern California. Southern California have more mechanical components and pumps. This project only has one pump to go into the water treatment facility.

Director Russel: What happens to your system when there's drought? Aren't you recharging to a saltwater aquifer?

Dusenbury: Colma Creek maintains flows throughout a drought. Sometimes it does dip down to as low as 100 gpm. At its lowest point of flow, it was still easy to irrigate the area. In an emergency, there is way to disconnect from the non-potable supply and connect to the city's potable supply.

For the second question: It's the southern branch of what is called the west side ground water basin, which the City of San Francisco is developing it as a water source.

## 6. **Guest Presentation—Sonoma Water's Water and Energy Education Program, A Call to Action**

*Ryan Pedrotti, Water and Energy Program Manager*

*Trisha Meisler Water and Energy Educator*

Ryan and Trisha will provide an overview of this effective regional education program, and its evolution to engage children through experiential and hands on education.

Sonoma Water provides tap water to over 600,000 people; manages and operates 8 sanitation districts and zones; and maintains over 75 miles of streams. Their Water and Education Program is a comprehensive regional program designed to help educators and students learn the value of resource conservation. The program serves three counties, 28 School districts, and 300 Schools. The free program is offered to students in kindergarten all the way to high school. They maintain a Water Education Center and a Fish Viewing Gallery and Collector Well. They provide drought education, free classroom materials, and teacher workshops (topics include climate change education and career opportunities in the water and science fields). High school students can participate in a video contest, co-sponsored with the Russian River Watershed Association, in honor of Water Awareness. Each year, the RRWA Board of Directors votes on a contest topic. Students are challenged to make a public service announcement that will help change public attitudes and behaviors by raising awareness about the water issue.

Sonoma Water has a small Grants Program to support solution-focused projects related to water or climate change. \$100-\$1,000 per project:

- Hydration stations
- School gardens
- Water catchment
- Waste management/composting

They receive 9 applications in their pilot year. They are funding 7. Hydration stations seems to be the most requested. They will have another funding cycle in January.

Student Showcase May 18, 2022.

### Questions/Comments

Director Eklund: Do you consider Novato to be in your service area regarding the grants that are available?

Pedrotti: Yes. The North Marin Water District is a member of the Sonoma-Marín Saving Water Partnership.

Director Fraites: Commented how impressed he is with the program.

Director Meigs: The NBWA Board toured the facilities in the Russian River; she suggested they schedule another tour. She asked if the Ross Valley area has any similar programs.

Pedrotti: The Marin Municipal Water District is loosely associated with their program. They have Zun Zun. There has been conversations about having a consultation to bring more services. The drought put that on pause.

Director Garcia: Is there a way for teachers to connect without having a program for this?

Pedrotti: There have been conversations with environmental educators in Napa and have shared resources. One of the reasons this program is successful is the local component and funding support. Its up to leaders in the Napa area to support and fund opportunities like this.

## 7. Executive Director Report and Agenda Items for Future Meetings

Andy reported on activities that have taken place since the last meeting:

### Updates since last meeting

- Met with Stanford's Woods Institute for the Environment and Marin Wildfire Protection Authority on October 19
- Met with Sonoma County's Decision Support Framework development team on October 18
- Met with members and corresponded with regional One Water partners

### Administrative Activities

- Finalized contracts with SFEI, Data Instincts, Napa RCD, County of Marin
- AR – Membership dues
- AP – Subconsultants
- Updated website and meeting packet information
- Compiled information for next NBWA quarterly newsletter

### Communications

- Updating member contact lists - Need new staff / contacts
- Drought conditions and response info gathering
- Board members and member agency staff
- Regional partners
- Subject matter experts and speakers
- Call for newsletter topics and highlights

### Committees

- Met with 2022 Conference committee on October 12
- Convened Regional Leaders/General Managers meeting on October 28
- JTC will implement outcomes of GMs meeting

### One Water Strategic Initiative – Water and Fire

#### Stanford's Woods Institute for the Environment, Urban Water Policy

- NBWA/MWPA collaboration one of three California regions being studied
- Evaluating nexus of wildfire-water-drought, and the impacts of wildfire to various dimensions of water quality, water quantity, and water infrastructure (including natural, green, and gray infrastructure)
- Two key questions: 1) What are major risks, barriers and opportunities for resilient water management in the face of wildfire? And 2) What are potential social and economic risks

associated with wildfire impacts to water systems/watersheds, and what are key drivers or moderators of these impacts?

Director Patterson asked for the recording. Andy will look into this and let her know if there is one to share. He is going to ask Stanford to present to the Board in the future.

#### Sonoma County's Decision Support Framework (DSF)

- DSF is an integrated set of tools to enable strategic investments in fuel load reduction, vegetation management, community health and safety, and the long-term resilience of watersheds.
- Sonoma Water and the University of California Cooperative Extension (UCCE) collaborating to develop the DSF and to ensure the compatibility of publicly funded tools (such as [www.wildfirefuelmapper.org](http://www.wildfirefuelmapper.org)) for prioritizing activities that reduce fuel loading and enhance community and landscape resiliency.

Director Clark commented that she learned at the recent SF Estuary Conference that the Indian management (seven districts) sets fire one by one, which is very successful and could be adapted for fire control.

Andy commented that the North Coast is adopting some of those strategies.

**NBWA convened a Regional Leaders/General Managers meeting on October 28, 2021**, launching development of a Regional One Water Drought Project Strategy and Funding Initiative

Broadly beneficial goal of identifying and executing creative and strategic one water solutions that prepare the North Bay for the next drought by prioritizing and implementing projects

Summary Outline Notes:

#### **One Water portfolio approach for the north bay**

- Organized by scale and types of projects
- Coordinate/bundle climate adaptation projects
- Distinguish missions & align NBWA/NBWRA initiatives

#### **Support development and completion of regional feasibility studies**

- Flood/Stormwater and water supply
- Indirect and Direct Potable Reuse (IPR/DPR)
- Aquifer Storage and Recovery (ASR)

#### **Convene land use agencies and water/wastewater service agencies**

- Strategize for expanded housing mandates
- Land use/housing nexus for infrastructure improvements and water delivery

#### **Outreach**

- Empowering people to understand ways to contribute at home and at work

NBWA Direction: Schedule next meeting to focus initiatives

#### Questions/Comments

Director Patterson reminded the members that FloodMAR is having a conference; she will send out the link. She commented that floodwater program is central valley-centric. Its nice to have a north bay connection that she will stress at the conference. She invited others to join her.

She also noted that the Water Commission has been looking at multiple issues. Land use and flood management are included but it central valley-centric. She encourages members to contact them to highlight north bay projects for future funding and technical support.

Director Gorin: She commented on FloodMAR. Sonoma County is looking into strategies for how they can divert stormwater from fast moving creeks (upper Russian River reach and Sonoma Creek) and divert them into low land areas to recharge groundwater. She is working with Ag and Open Space

District to detect former natural pathways to suggest how they might move forward in the future. She encourages others to look into this approach.

**Director Patterson:** In the Central Valley a lot of research is being done by Davis and others to identify the pathway to recharging ground water. In the Central Valley, the leveled the ag fields that impacted the natural course of streams and tributaries. There are techniques that are being developed and researched to identify historic routes. She hopes that all the great work being done in Sonoma and the North Bay gets highlighted at the conference for future funding and technical support.

### **October 12 Conference committee meeting summary**

Tentative conference date: April 8, 2022

Tentative title: Climate ChangeD – Our New Normal of Weathering Extremes

Format:

- Virtual core with limited in-person outdoor experiences (before/during/after)
- Utilize local live stream/hybrid interface professional support
- Conference format could be a pilot for future events
- Preliminary budget and preparation schedule being drafted

November 9: Next conference committee meeting

### **2021 Board Meetings**

December 3 (in person...?)

### **2022 Board Meetings**

January 7

February 4

March 4

April 1

May 6

June 3

### **Topics in development**

SR37 Initiatives, DroughtSMART ↔ FireSMART, Progress One Water Strategic Initiatives, Urban Scale Carbon Sequestration Initiatives, April 2022 NBWA Conference, DWR & State Water Board Drought Assistance Programs and Resources, Collaboration-Based Funding Opportunities, Regulatory Compliance Partnerships, Water Management & Conveyance Innovations, Capital and Natural Assets Management, What's Next in Environmental Education

Director Eklund: She recommends the Board have a presentation on Bay Adapt, which is focusing on strategies for sea level rise and climate change.

## **8. Board Information Exchange and Drought Updates**

Director Meigs (Novato Sanitary District): They had nine inches of rain in October. The plant had 6+ inches on Oct 24. She also shared that Cal Trans virtual scoping meeting is on November 17 from 5:30-7:30. Caltrans EIR virtual scoping meeting for Hwy 37 flood reduction project (101 to 121) <http://www.sr37corridorprojects.com>

Director Garcia (City of American Canyon): Public Works is relocating. The American Canyon Community Parks Foundation is fundraising for outdoor activities. They recently raised \$50k for outdoor exercise equipment. They are now raising funds to turn the public works building into an eco-center. If anyone on the NBWA board has an eco-center in their jurisdiction, please let him know so he can connect the foundation to assist in the planning. American Canyon has a great recycled water program for landscaping; the water is delivered.

Director

**9. Announcements and Adjourn**

Meeting adjourned at 11:15 am

Next Meeting: December 3, 2021, Zoom

SUBMITTED BY: Andy Rodgers, Executive Director, NBWA

## AGENDA

Time	Agenda Item	Proposed Action
9:30	<p><b>Welcome and Call to Order – Roll Call and Introductions</b> <i>Jack Gibson, Chair</i></p>	<i>N/A</i>
9:35	<p><b>General Public Comments</b> This time is reserved for the public to address the Committee about matters NOT on the agenda and within the jurisdiction of the Committee.</p>	<i>N/A</i>
9:40	<p><b>Agenda and Past Meeting Minutes Review</b> <i>Jack Gibson, Chair</i></p>	<i>Approve</i>
9:45	<p><b>Treasure’s Report</b> <i>Jack Gibson, Chair</i></p>	<i>Accept</i>
9:50	<p><b>Executive Director Report</b> <i>Andy Rodgers, Executive Director</i></p> <p>Andy will provide updates on active projects such as the collaboration with the Marin Wildfire Prevention Authority, initiatives such as those identified at the recent General Managers summit, progress of the 2022 conference committee, plans for an administrative steering committee meeting, member communications, activities, and developing programs. Andy will outline plans for next and future Board meeting topics and solicit feedback.</p>	<i>ED updates, Board questions and input</i>

10:10	<p><b>Guest Presentation—Progress Update: Two-Basin Solution for Potter Valley Project and FERC Relicensing</b></p> <p>U.S. Congressman Jared Huffman’s office will provide an update on the status of the project and the Ad Hoc Committee’s focus for the future.</p>	<i>Presentation</i>
10:45	<p><b>Executive Director Report, continued</b></p> <p><i>Andy Rodgers, Executive Director</i></p> <p>Andy will continue with updates and provide an overview of NBWA initiatives in 2022.</p>	<i>ED updates, Board questions and input</i>
11:00	<p><b>Board Information Exchange and Drought Updates</b></p> <p><i>Members</i></p> <p>Members will highlight issues and share items of interest.</p>	<i>N/A</i>
11:30	<p><b>Announcements/Adjourn</b></p> <p><b>Next Board Meeting: January 7, 2021</b></p>	<i>N/A</i>