

STAFF

Steve Schwabauer, General Manager
Jennifer Spaletta - General Counsel
Roger Masuda - Special Counsel
Shasta Burns - Deputy Secretary
Daniel de Graaf - District Engineer
Robert Granberg – Interim General Manager

BOARD OF DIRECTORS

President - Joe Valente
Vice President – Jason Colombini
Secretary - David Simpson
Treasurer - Charles Starr II
Director - Marden Wilber

**NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
NOTICE OF MEETING AND PUBLIC HEARING AND AGENDA FOR
REGULAR MEETING OF THE BOARD OF DIRECTORS**

Monday, December 18, 2023
2:00 p.m. **Early meeting date due to holiday**
Lodi Grape Festival Grounds- Barrel Room
413 E. Lockeford St, Lodi CA 95240
Also Available via Zoom

Join Zoom Meeting

<https://us02web.zoom.us/j/87883217427>

Meeting ID: 878 8321 7427

One tap mobile

+16699006833,,87883217427# US (San Jose)

Dial by your location

+1 669 900 6833 US (San Jose)

Meeting ID: 878 8321 7427

The agenda and all noted documentation may be viewed and downloaded at www.nsjgroundwater.org . Requests to receive the agenda and documentation by e-mail may be submitted in writing to the Secretary of the Board. The NSJWCD printed agendas are posted at the District’s location of business at: 498 E. Kettleman Lane, Lodi. The District’s mailing address is: PO Box E, Victor CA 95253.

NOTICE: Members of the public may address the Board of Directors concerning any agenda item during the Board’s consideration of that item. The public may address non-agenda items at the end of the regular meeting. No action will be taken on those items; however, the Board may agendaize items for future consideration.

1. Call to Order - Roll Call - Acceptance of Agenda

2. Correspondence/Announcements

3. Action Items

Any and all of **the following agenda items are subject to action** being taken by the Board of Directors by motion, resolution or ordinance.

Action items may be added to the agenda upon determination by a majority vote of the Board that an emergency exists, as defined by state law, or by a 2/3 vote of the Board that (1) there is a need to take immediate action; and (2) that the need for action came to the District’s attention after the agenda was posted.

A. CONSENT CALENDAR

1. Approval of the Minutes for the Regular Scheduled Board Meeting on

B. FINANCIAL

1. Receive and Approve December 2023 NSJWCD Monthly Treasurer's Report and Summary of Accounts and Transfers (*attachment 2*) pages 10-12
2. Approve Payment of Bills (*attachment 3*) pages 13-15
3. Update Farmers and Merchants Bank Signature Cards
4. Authorize Issuance of Credit Card to General Manager (*attachment 4*) page 16
5. Appoint Two Board Members to Limited Term Finance Committee to Advise General Manager Regarding 2023 Groundwater Charge Accounting and Creation of 2024/25 Budget (*attachment 5*) page 17
6. Authorize Staff to issue 2023 Water Year Billings -handout at meeting

C. CONTRACTS

1. Adopt Resolution Approving 1st Amendment to Professional Services Agreement with Hydrofocus (*Attachment 6*) pages 18-32
2. Authorize General Manager to Reimburse Spaletta Law for Rent, File Storage, Utilities and Copier Use. (*attachment 7*) pages 33-34
3. Authorize General Manager to Enter Into Contract With Sierra Controls for Installation of SCADA System at the Pixley Pump Station for DREAM Project (*Attachment 8 - handout at the meeting*) pages 35-37

D. SYSTEM AND PROJECTS

1. Hydrofocus Report on Ground Water Monitoring – handout at meeting
2. Engineer's Report and Operations Plan – handout at meeting
3. North System
 - i. Reynolds Recharge Update
 - ii. Progressive Design-Build Procurement Update
 - iii. Lakso- Approval of AVID Construction for Lay Flat Pipe (*Attachment 9*) pages 38, 39
4. South System
 - i. South System Phase II Update
 1. Arnaudo Contract Change Orders
 - ii. South System Phase III Design Plan
 - iii. Update on Stockton East Exchange Deliveries
5. Cal-Fed/Woodbridge
6. Tracy Lake ID

E. Grant Activity

1. Consero report (*attachment 10*) pages 40-42

F. Strategic Plan Activity

1. Newsletter – Fall 2023

2. Website Update

G. Groundwater Charge

H. Sustainable Groundwater Management Act/ GWA Activity

I. SJC Mokelumne River Application Update

J. Bay Delta Flow Program Update/Voluntary Agreements

K. Landowner communications

L. Board Planning Calendar

4. Director and Staff Reports

A. Directors Reports

B. Committee Reports

C. Other

5. Public Comment on Items Not on the Agenda

Interested persons in the audience are welcome to introduce any topic within the jurisdiction of the NSJWCD Board. The time allowed for each speaker for comments made by the public is limited to 3 minutes. Matters presented under this agenda item may be discussed, but no action can be taken by the Board at this meeting except as follows:

- Briefly respond to statements made or questions raised.
- Ask a question for clarification.
- Provide a reference to staff or other resources for factual information.
- Request staff to report back at a subsequent meeting.
- An individual Board member or the Board itself may have the matter placed on a future agenda.

6. Closed Session – 3 items

Closed Session pursuant to Section 54956.9(a) Existing Litigation
CONFERENCE WITH LEGAL COUNSEL – *Woodbridge Irrigation District v. East Bay Municipal Utility District*, Sacramento County Superior Court Case No. 34-2018-00232142-CU-CO-GDS

Closed Session pursuant to Section 54956.9(a) Anticipated Litigation – one case

Closed Session pursuant to Section 54956.9(a) Anticipated Litigation – one case Bay Delta/Flow Proceeding

Closed Session pursuant to Government Code Section 54956.8 Real Property Negotiations– North System Easements and Leases – Negotiators are General Counsel Jennifer Spaletta and General Manager Steve Schwabauer

Return to Open Session

All reportable actions taken in closed session will be announced in open session following the closed session and will be duly noted in the official minutes of the meeting.

7. Motion to Adjourn

Next Regular Meeting January 29, 2022 from 2:00 PM- 4:00 PM
Lodi Grape Festival Grounds- Barrel Room
413 E. Lockeford St, Lodi CA 95240
Also Available via Zoom

Action may be taken on any item

Agendas and Minutes may also be found at [http:// www.NSJGroundwater.org](http://www.NSJGroundwater.org)

Note: If you need disability-related modification or accommodation in order to participate in this meeting, please contact North San Joaquin Water Conservation District Staff at (209) 712-1693 at least 48 hours prior to the start of the meeting

NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
REGULAR MEETING OF THE BOARD OF DIRECTORS

Lodi Grape Festival Grounds – Barrel Room
413 E. Lockeford Street, Lodi CA
Zoom - Teleconference Meeting

Monday, November 27, 2023

REGULAR MEETING MINUTES

ALSO AVAILABLE BY ZOOM TELECONFERENCE

- 1. Call to Order - Roll Call - Acceptance of Agenda** - The meeting was called to order by President Valente at 2:03pm. A motion for the acceptance of the Agenda, made by Vice President Colombini, second by Treasurer Starr. Motion passed unanimously 4/0/0.

President Joe Valente - Area 3
Vice President Jason Colombini - Area 2
Secretary David Simpson – Area 1
Treasurer Charles Starr – Area 4
Director Marden Wilber – Area 5 - Absent

General Counsel Jennifer Spaletta
Special Counsel Roger Masuda - Absent
Daniel de Graaf – District Engineer
Deputy Secretary Shasta Burns
General Manager – Steve Schwabauer

- 2. Correspondence/Announcements-** President Valente reported that Director Marden Wilber has been in and out of the hospital.
- 3. Action Items** Note: Votes recorded as: For/Against/Abstention (name)

A. CONSENT CALENDAR

1. Approval of the Minutes of the Regular Scheduled Board meeting on October 30, 2023- A motion to approve the Regular Scheduled Board Meeting Minutes with clarification on the board meeting minutes under Closed Session item – President Valente returned the meeting to open session. The board of directors then adopted Resolution 2023-14 (recorded above in item 3E2) and 2023-15 (recorded above in item 3C1) no action was taken during closed session. There was no further reportable action. A motion to approve the Minutes of the Regular Scheduled Board Meeting on October 30, 2023, made by Secretary Simpson, second by Treasurer Starr. Motion passed 4/0/0.

B. Financial Matters

1. Receive and File November 2023 NSJWCD Monthly Treasurer’s Report and Summary of Accounts and Transfers presented to the board. Perla from Butterfield + Company prepared financial statements for Board action. A motion to approve November 2023 NSJWCD Monthly Treasurer’s Report, by Vice President Colombini, second by Treasurer Starr. Motion passed 4/0/0
2. Approve Payment of Bills- A motion to approve payment of bills recommendation listed on page 12-13 in the board meeting packet Summary of

Bills made by Secretary Simpson, second by Vice President Colombini. Motion passed 4/0/0.

3. Update Farmers and Merchants Bank Signature Cards – A motion to update bank signature cards to remove Mardin Wilber for the time being, and add Steve Schwabauer to all bank accounts at Farmers and Merchants Bank made by Treasurer Starr, second by Secretary Simpson. Motion passed 4/0/0

C. Contracts

1. General Counsel Legal Services Agreement and Conflict Waiver – General Manager Schwabauer reviewed Stoel Rives Engagement Letter and Request for Advance Waiver of Conflicts of Interest draft and to be put in place on December 1, 2023. A motion to approve **Resolution 2023-17** Authorizing Executive of a Legal Services Agreement and Conflict Waiver with Stoel Rives for Services of Jennifer Spaletta as District General Counsel made by Treasurer Starr, and second by Vice President Colombini. Roll Call; Wilber; Absent, Starr; Aye, Simpson; Aye, Colombini; Aye, Valente; Aye. Motion passed 4/0/0
2. Contract Services Agreement with Shasta Burns to provide Clerk, Records management and billing services to the District – A motion to approve **Resolution 2023-18** authorize Contract Services Agreement with Shasta Burns to provide Board Clerk Records management and billing services to the District and update contract as presented to the board made by Vice President Colombini, second by Treasurer Starr. Roll Call; Wilber; Absent, Starr; Aye, Simpson; Aye, Colombini; Aye, Valente; Aye. Motion passed 4/0/0
3. Change Order 8 to South System Phase 2 to install replacement temporary pump and Fish Screen time and materials not to exceed \$125,000 – A motion to approve **Resolution 2023-19** Authorizing Execution of Change order #8 on the South System Phase 2 contract with Arnaudo Construction to install a replacement temporary Pump and Fish Screen on the North System made by Secretary Simpson, second by Treasurer Starr. Roll Call; Wilber; Absent, Starr; Aye, Simpson; Aye, Colombini; Aye, Valente; Aye. Motion passed 4/0/0
4. California Conservation Corps to provide clean-up services of the East Ditch on a Time and Materials Basis – A motion to approve **Resolution 2023-20** Authorizing Execution of an Agreement with the California Conservation Corps to Clean the East Side Ditch and orally amend the not to exceed amount to \$8,000, made by Vice President Colombini, second by Treasurer Starr. Roll Call; Wilber; Absent, Starr; Aye, Simpson; Aye, Colombini; Aye, Valente; Aye. Motion passed 4/0/0
5. Authorize \$500,000 Draw on Warrant Agreement with F&M Bank for North System Phase 1a Project and payment of invoices – A motion to approve **Resolution 2023-21** Authorizing Execution of Delivery of up to \$500,000 Draw on Warrant Agreement for Payment of North System Phase 1a & 1b (orally amended) bills made by Secretary Simpson, second by Vice President Colombini. Roll Call; Wilber; Absent, Starr; Aye, Simpson; Aye, Colombini; Aye, Valente; Aye. Motion passed 4/0/0
6. South System Pump Station Pump Change Order – District Engineer de Graaf reviewed staff report for board approval Contract Change Order from Arnaudo Construction for Option 2, for the amount of Five Hundred Twelve

Thousand Dollars and no Cents (\$512,000.00). A motion to approve Contract Change Order from Arnaudo Construction for Option 2 in the amount of \$512,000 made by Vice President Colombini, second by Treasurer Starr. Motion passed 4/0/0. Additionally, a review of staff report provided by Bob Granberg in the board meeting packet. A motion to approve Change orders 7,8, & 9 for a combined final 9a, 9b, 9c, for Arnaudo Construction for South System Phase II in the amount of \$94,237.84 for additional work items made by Vice President Colombini. All three change orders combined in one motion made by Vice President Colombini, second by Secretary Simpson. Motion passed 4/0/0

D. System and Projects

1. Engineer's Report and Operations Plan– Engineer de Graaf gave an overview of where the district stands on each project – Report was presented at the start of the board meeting and is available upon request.

2. North System -

i. Reynolds Recharge Update- Recharge site operated on November 5th and delivered approximately 500 AF during the season.

ii. Progressive Design- Build Procurement Update – No update at this time.

3. South System

i. South System Phase II Update-

1. Arnaudo Contract Change Orders- Arnaudo Change Orders were discussed in the above action items.

ii. South System Phase III Design Plan – 30 percent plans were completed for the Watersmart Grant application, Handel Lateral 30 percent plans have been completed and planning work for discussions with landowners is underway, Phase III plans are being produced and are anticipated to be 60 percent by the December Board Meeting.

iii. Update on Stockton East Exchange Deliveries – District Engineer has gathered data and in coordination with SEWD and organizing data for the water year and will summarize for water year 2023

4. Cal-Fed/Woodbridge – Sierra Controls has completed installation of the SCADA system and remote operation of the pump station is now functional. Waiting for preparation of the field to begin operation at the Costa Recharge site beginning in December.

5. Tracy Lake ID – Tracy Lake currently has a lot of water in it and lake level transducer cannot be installed until the water level goes down. In preparation for winter storms, there are no plans to divert water for recharge at this time. Sierra Controls has installed SCADA System and is in working order.

E. Grant Activity

1. Consero report – General Manager Schwabauer reviewed the Consero Solutions monthly report on funding opportunities from staff report presented in the board meeting packet.

F. Strategic Plan Activity

1. Newsletter – Fall 2023- Newsletters have been mailed and received by landowners.
2. Website Update – The revised website is now live! www.NSJWCD.com

G. Groundwater Charge - Processing appeals and direct billing at this time.

H. Sustainable Groundwater Management Act/GWA Activity – Groundwater Authority fees will increase due to additional program requirements being added by the State Board for Mitigation funds. Counsel is putting together samples and will bring for comments at the December GWA meeting.

I. SJC Mokelumne River Application Update – General Counsel Spaletta reviewed tour surveys sent out.

J. Bay Delta Flow Program Update/Voluntary Agreements – General Counsel reviewed Public Hearings being held and comments are due in the middle of January.

K. Landowner Communications – Facilities Tour will be held on December 8, 2023.

L. Board Planning Calendar- No update at this time.

4. Director and Staff Reports

A. Director's Report – General Manager Schwabaurer mentioned the need for District Apparel.

B. Committee Reports – No reports at this time.

C. Provide Direction to Staff on Funding Proposal for Handel Lateral – Direction to approach landowners with concept presented in the staff report in board meeting packet.

D. Provide Direction to Staff on FloodMAR incentive to pay landowners to provide O&M for FloodMAR to increase participation incentive – General Manager Schwabaurer reviewed the need to operate O&M for FloodMAR projects and explore the possibility to pay the landowner for the operations and maintenance to attract the landowner to participate. The board supports landowner participation for monetary purposes.

5. Public Comment – No comments at this time.

6. Closed Session – The Board entered closed session at 4:10 PM and came out of closed session at 4:30 PM. Return to Open Session – President Valente returned the meeting to open session and there was no further reportable action.

7. Adjournment - Motion to adjourn the NSJWCD Regular Meeting on November 27, 2023 made by Vice President Colombini, second by Treasurer Starr. Motion passed 4/0/0 Meeting adjourned at 4:32 PM.

The next regular scheduled Board Meeting December 18, 2023, from 2:00 PM - 4:00 PM.

The above minutes of the North San Joaquin Water Conservation District Board of Directors Meeting of November 27, 2023.

Respectfully submitted:

Shasta Burns, Deputy Secretary

North San Joaquin Water Conservation District
 Treasurer's Report
 December 2023 – Monthly Summary of Accounts
 As of December 18, 2023

The chart below is a summary of account information including account balances and transactions since the last scheduled Board meeting (November 2023). The attached reports are prepared by Butterfield + Co., CPAs, Inc. for the month of December 2023. Additional attachments that follow include accounts payable, recommendations for bill payments and transfers as noted herein.

NSJWCD Accounts Summary - November 27, 2023	Beginning Balance as of 11/27/23 with approved transfers	Payments after last meeting	Revenue Received after last meeting	Current Balance December 14, 2023	Proposed bills to be paid today	Proposed check to be paid today for Pacific Irrigation	Ending balance December 18, 2023
F&M Checking	204,415.87	(12,528.27)	400,506.61	592,394.21	(214,857.73)	(42,000.00)	335,536.48
County Groundwater Fund	48,372.76	-	-	48,372.76	-	-	48,372.76
County Account Fund	2,825.19	-	-	2,825.19	-	-	2,825.19
ID#3	134,578.27	-	19,906.53	154,484.80	-	-	154,484.80
Tracy Lake O&M	4,908.03	(489.81)	-	4,418.22	-	-	4,418.22
Totals	\$ 395,100.12	\$ (13,018.08)	\$ 420,413.14	\$ 802,495.18	\$ (214,857.73)	\$ (42,000.00)	\$ 545,637.45



	Payments after last meeting		Revenue Received after last meeting	Classes	Proposed bills to be paid today
ADP - Fees	(58.46)	EBMUD - Dream Project	51,454.91	General Exp	(34,051.28)
ADP - Payroll Taxes	(4,789.37)	SJC Pptax Refund	72.20	Dream Project	(4,499.50)
Amazon	(74.83)	DWR - Prop 1	295,250.36	Groundwater Mgmt	(48,144.80)
AT&T	(165.40)	SJC GW Reimb	53,729.14	Handel Lateral	(6,313.89)
Charter Up	(1,514.10)	Assessments ID#3	19,906.53	N. System Phase 1	(16,004.00)
Microsoft	(48.00)			Operations Fund	(5,890.30)
Rancho San Miguel	(30.00)			Planning Fund	(15,425.00)
Stephen Schwabauer	(5,429.87)			Recharge Lakso	(6,000.00)
Walmart	(79.12)			Recharge Tecklenburg	-
Zoom	(15.99)			South System 1	
PG&E	(323.13)			South System 2	(74,325.96)
PG&E TLID	(489.81)			South System 3	(4,203.00)
				South System 4	-
				Woodbridge-Cal Fed	-
				TLID	-
Total	\$ (13,018.08)	Total	\$ 420,413.14	Total	\$ (214,857.73)

1. SEE ATTACHMENT 1 - ACCOUNTS PAYABLE REPORT.

2. AUGUST PAYMENT RECOMMENDATIONS - SEE TABLE BELOW:

ABS Direct, Inc.	\$ 1,149.55	Newsletter		
ACWA JPIA	\$ 2,138.00	Renewal 10/23-2024		
Butterfield & Co	4,230.00	November Invoice		
California Department of Tax & Fee Administration	2,478.91	Fees		
Coloring Book	245.51	Meeting Supplies		
Consero Solutions	8,880.00	November Services		
de Graaf Engineering, Inc.	23,095.17	November Services		
duncan press	1,729.84	Newsletter		
Hydrofocus	6,580.30	October Services		
Jason Colombini	119.11	Reimbursable Expenses		
Joe Peterson	300.00	January Rent		
John Lakso & Helen Lakso	6,000.00	Easements		
Julie Lang	45.00	Legal Fees		
Moore Biological	2,938.00	Permits		
Patricia Corell	895.80	Refund GW Charges		
RGMK	21.25	Consulting		
Richard Rodriguez Farms	3,625.00	December Invoices		
Rocio Arreola	400.00	Lunch		
San Joaquin County	37,582.00	GWA Cost Allocation		
Shasta Burns	4,578.05	December Invoice		
Sierra Controls, LLC	71,277.21	November Invoice		
Spaletta Law PC	34,670.00	December Invoice		
State Compensation Insurance Fund	1,356.08	Policy 10/23-10/24		
Steve Schwabauer	522.95	Reimbursable Expenses		
Total payments recommended	\$ 214,857.73			

3. REMAINING ACCOUNTS PAYABLE – (\$17,675.56)

- a. \$31,885.50 - Retention due to Arnaudo Construction, Inc.
- b. (\$42,000.00) - Pacific Southwest Deposit
- c. (\$ 7,561.06) - PG&E

**North San Joaquin Water Conservation District
Unpaid Bills by Vendor
All Transactions**

Type	Date	Num	Source Name	Memo	Account	Class	Open Balance
ABS Direct Inc							
Bill	11/24/2023	133936	ABS Direct Inc	Newsletter	6175 · Public Outreach	-G&A	1,149.55
Total ABS Direct Inc							1,149.55
ACWA JPIA							
Bill	10/16/2023	149	ACWA JPIA	Renewal 10/2023-2024	6135.1 · Liability	-G&A	2,138.00
Total ACWA JPIA							2,138.00
Arnaudo Construction, Inc.							
Bill	05/31/2023	RET- ...	Arnaudo Constructio...	Progress Billing	6115.5 · Pipeline	Capital Outlay:South System Phase 2	31,885.50
Total Arnaudo Construction, Inc.							31,885.50
Butterfield & Co.							
Bill	11/30/2023	106262	Butterfield & Co.	Accounting	6180.1 · Accounting	-G&A	4,230.00
Total Butterfield & Co.							4,230.00
California Dpt of Tax and Fee Admin							
Bill	11/15/2023	L0023...	California Dpt of Tax...	Water Rights - 07/01/23-06/30/2024	6166.1 · Fees	-G&A	2,478.91
Total California Dpt of Tax and Fee Admin							2,478.91
Coloring Book							
Bill	11/27/2023	29160	Coloring Book	Board Mtg	6145 · Meeting Supplies	-G&A	245.51
Total Coloring Book							245.51
Consero Solutions							
Bill	11/30/2023	1949	Consero Solutions	Grant Funding Development	6180.3 · Consulting	-Planning Fund	5,625.00
Bill	11/30/2023	1949	Consero Solutions	Community Engagement	6180.3 · Consulting	-Planning Fund	2,455.00
Bill	11/30/2023	1949	Consero Solutions	Other Duties	6180.3 · Consulting	-G&A	800.00
Total Consero Solutions							8,880.00
de Graaf Engineering, Inc.							
Bill	12/06/2023	1105	de Graaf Engineerin...	General Eng	6180.4 · Engineering Expense	-G&A	2,600.93
Bill	12/06/2023	1105	de Graaf Engineerin...	Mileage	6180.4 · Engineering Expense	-G&A	392.35
Bill	12/06/2023	1105	de Graaf Engineerin...	Water Rights	6180.4 · Engineering Expense	-Groundwater Management	1,152.00
Bill	12/06/2023	1105	de Graaf Engineerin...	South System Handel Lateral	6180.4 · Engineering Expense	Capital Outlay:Handel Lateral	6,313.89
Bill	12/06/2023	1105	de Graaf Engineerin...	SS Phase II	6180.4 · Engineering Expense	Capital Outlay:South System Phase 2	1,890.00
Bill	12/06/2023	1105	de Graaf Engineerin...	SS Phase III	6180.4 · Engineering Expense	Capital Outlay:South System Phase 3	3,618.00
Bill	12/06/2023	1105	de Graaf Engineerin...	Cal-Fed	6180.4 · Engineering Expense	.Operations Fund:Woodbridge/Cal-Fed O&M	720.00
Bill	12/06/2023	1105	de Graaf Engineerin...	Dream	6180.4 · Engineering Expense	Capital Outlay:Dream Project Pipeline	2,322.00
Bill	12/06/2023	1105	de Graaf Engineerin...	NS Phase I	6180.4 · Engineering Expense	Capital Outlay:North System Phase 1	3,096.00
Bill	12/06/2023	1105	de Graaf Engineerin...	SS Operations	6180.4 · Engineering Expense	.Operations Fund:South System O&M	990.00
Total de Graaf Engineering, Inc.							23,095.17
duncan press							
Bill	11/09/2023	37546	duncan press	Newsletter	6175 · Public Outreach	-G&A	1,729.84
Total duncan press							1,729.84
HydroFocus, Inc							
Bill	11/22/2023	5658-15	HydroFocus, Inc	Hydrologist	6180.5 · Hydrologist	Capital Outlay:North System Phase 1	6,070.00
Bill	11/22/2023	5658-15	HydroFocus, Inc	Hydrologist	6180.5 · Hydrologist	.Operations Fund:South System O&M	409.50
Bill	11/22/2023	5658-15	HydroFocus, Inc	Hydrologist - GW Recharge	6180.5 · Hydrologist	.Operations Fund:Recharge Project O&M	100.80
Total HydroFocus, Inc							6,580.30
Jason Colombini							
Bill	12/11/2023	Reimb...	Jason Colombini	ACWA conference gas reimbursement	6228 · Travel	-G&A	119.11
Total Jason Colombini							119.11
Joe Peterson							
Bill	12/11/2023	Januar...	Joe Peterson	January Rent	6200 · Rent	-G&A	300.00
Total Joe Peterson							300.00

North San Joaquin Water Conservation District Unpaid Bills by Vendor All Transactions

Type	Date	Num	Source Name	Memo	Account	Class	Open Balance
John Lakso & Helen Lakso, Trustees							
Bill	12/06/2023	Easem...	John Lakso & Helen ...	John Lakso & Helen Lakso Trustees of the Lakso Family Trust	6115.2 · Easements	Capital Outlay:Recharge Lakso Project	2,000.00
Bill	12/06/2023	Easem...	John Lakso & Helen ...	John Lakso & Helen Lakso Trustees of the Lakso Family Trust	6115.2 · Easements	Capital Outlay:Recharge Lakso Project	4,000.00
Total John Lakso & Helen Lakso, Trustees							6,000.00
Julie Lang							
Bill	12/06/2023	416	Julie Lang	Signing Fee	6180.63 · General Expense	.Operations Fund:Recharge Project O&M	45.00
Total Julie Lang							45.00
Moore Biological Consultants							
Bill	12/04/2023	4241/1...	Moore Biological Co...	North Pump Station	6166.2 · Permits	Capital Outlay:North System Phase 1	2,938.00
Total Moore Biological Consultants							2,938.00
Patricia Corell							
Bill	12/01/2023	Refund	Patricia Corell	Refund - No farm water used	6195 · Refund Ground Water Charge	-Groundwater Management	895.80
Total Patricia Corell							895.80
RGMK							
Bill	11/30/2023	137368	RGMK	Prof Services	6180.3 · Consulting	Capital Outlay:South System Phase 2	21.25
Total RGMK							21.25
Richard Rodriguez Farms							
Bill	12/11/2023	12.11.23	Richard Rodriguez F...	Labor	6210 · Reynolds Recharge Project	.Operations Fund:Recharge Project O&M	1,125.00
Bill	12/11/2023	5040	Richard Rodriguez F...	Clean ditch and build up levels	6210 · Reynolds Recharge Project	.Operations Fund:Recharge Project O&M	1,200.00
Bill	12/11/2023	5041	Richard Rodriguez F...	Build up levees for winter use north west cell	6225 · Teklenburg Recharge Project	.Operations Fund:Recharge Project O&M	1,300.00
Total Richard Rodriguez Farms							3,625.00
Rocio Arreola							
Bill	12/08/2023	12.08....	Rocio Arreola	Lunch - Tour on May 5	6175 · Public Outreach	-G&A	400.00
Total Rocio Arreola							400.00
San Joaquin County-							
Bill	11/14/2023	WR20...	San Joaquin County-	GWA Member Cost Allocation per Resolution R23-01	6120 · Dues & Memberships	-Groundwater Management	37,582.00
Total San Joaquin County-							37,582.00
Shasta Burns							
Bill	12/11/2023	209-Mi...	Shasta Burns	November Invoice	6180.8 · Secretary	-G&A	203.05
Bill	12/11/2023	209	Shasta Burns	November Invoice	6180.8 · Secretary	-G&A	4,375.00
Total Shasta Burns							4,578.05
Sierra Controls, LLC							
Bill	11/20/2023	124613	Sierra Controls, LLC	22-6908 South System Improvements II	6180.4 · Engineering Expense	Capital Outlay:South System Phase 2	71,277.21
Total Sierra Controls, LLC							71,277.21
Spaletta Law PC							
Bill	12/10/2023	12326	Spaletta Law PC	December Invoice	6180.63 · General Expense	-G&A	11,010.00
Bill	12/10/2023	12325	Spaletta Law PC	December Invoice	6180.63 · General Expense	-Groundwater Management	5,265.00
Bill	12/10/2023	12319	Spaletta Law PC	December Invoice	6180.63 · General Expense	-Groundwater Management	3,250.00
Bill	12/10/2023	12320	Spaletta Law PC	December Invoice	6180.63 · General Expense	Capital Outlay:Dream Project Pipeline	2,177.50
Bill	12/10/2023	12324	Spaletta Law PC	December Invoice	6180.63 · General Expense	-Planning Fund	4,907.50
Bill	12/10/2023	12323	Spaletta Law PC	December Invoice	6180.63 · General Expense	-Planning Fund	2,437.50
Bill	12/10/2023	12321	Spaletta Law PC	December Invoice	6180.63 · General Expense	Capital Outlay:South System Phase 3	585.00
Bill	12/10/2023	12321	Spaletta Law PC	December Invoice	6180.63 · General Expense	Capital Outlay:South System Phase 2	1,137.50
Bill	12/10/2023	12322	Spaletta Law PC	December Invoice	6180.63 · General Expense	Capital Outlay:North System Phase 1	3,900.00
Total Spaletta Law PC							34,670.00
State Compensation Insurance Fund							
Bill	11/17/2023	10018...	State Compensation ...	Policy Term 2023 (10/17/2023-10/17/2024)	6135.4 · Worker's Comp	-G&A	1,356.08
Total State Compensation Insurance Fund							1,356.08
Steve Schwabauer							

North San Joaquin Water Conservation District
Unpaid Bills by Vendor
All Transactions

Type	Date	Num	Source Name	Memo	Account	Class	Open Balance
Bill	12/11/2023	Reimb...	Steve Schwabauer	Hotel Reimbursement - ACWA conference	6228 · Travel	-G&A	477.34
Bill	12/11/2023	Reimb...	Steve Schwabauer	UBER Reimbursement - ACWA conference	6228 · Travel	-G&A	45.61
Total Steve Schwabauer							522.95
TOTAL							246,743.23

BOARD OF DIRECTORS

P.O. Box E, Victor, CA 95253

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Authorize issuance of Credit Card through F&M Bank to General Manager for District Expenses Subject to Monthly Expense Reporting.

DISCUSSION: The District General Manager is expected to incur expenses on behalf of the District in the performance of his duties that may require immediate payment including conference travel expenses, office supplies, personal services such as notary services and other items. These services are not reasonably expected to exceed \$2500.00 per month. Accordingly, I recommend that the board authorize the issuance of an F&M credit card to the General Manager with a \$2,500 credit limit subject to the Board review of credit card statements and all purchases on a monthly basis to approve payment of the credit card statement.

RECOMMENDATION:

Authorize issuance of Credit Card through F&M Bank to General Manager for District Expenses Subject to Monthly Expense Reporting.

FISCAL IMPACT: Not Applicable as any expenses would be for budgeted items.

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Appoint Two Board Members to Limited Term Finance Committee to Advise General Manager Regarding 2023 Ground Water Charge Accounting and Creation of 2024 Budget.

DISCUSSION: The District is preparing an accounting of the expenditures from the 2023 Ground Water Charge. It will be important to present the material in a manner that is logical to residents of the District in a fashion that is transparent and easily digestible. Staff, schooled in accounting principles, may often use short cuts or language that is neither of those things. As such Staff recommends that the Board appoint a limited term finance subcommittee to advise Staff on content and language in the report.

Staff is also gearing up to prepare the 2024-25 District Budget. The Budget document is planned to revamp the Budget to meet new revenue streams and account for most planned or regular expenditures. Staff recommends that the Board appoint the same limited term Finance Subcommittee to advise staff on the creation of the 2024 budget. Thereafter much of the budget will be recurring and therefor be simple for full Board review in the first instance.

As a limited duration subcommittee with less that two Board members the subcommittee would not a Brown Act body.

RECOMMENDATION: Appoint Two Board Members to Limited Term Finance Committee to Advise General Manager Regarding 2023 Ground Water Charge Accounting and Creation of 2024 Budget.

FISCAL IMPACT: Not Applicable.

BOARD OF DIRECTORS

P.O. Box E, Victor, CA 95253

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Adopt Resolution Authorizing General Manager to Execute Amendment Number 1 to Agreement For Professional Services with Hydrofocus to add new Scope of Work to Install and Monitor Ground Water Monitoring Wells

DISCUSSION: The District is required to evaluate the impact of pumping and recharge activities on the ground water aquifer. These services are provided to the District through Hydrofocus's Hydrologist Steve Deverel. Staff negotiated the renewed scope of service attached to this staff report for services required in the upcoming year. The Scope includes installation of new wells on the Lakso, Cranston and Reynolds properties on the North System, Groundwater Monitoring on the South System, and General Services including meetings and report preparation. The Scope of Work totals \$155,809.97 across the North and South System.

RECOMMENDATION: Adopt Resolution Authorizing General Manager to Execute Amendment Number 1 to Agreement For Professional Services with Hydrofocus to add new Scope of Work to Install and Monitor Ground Water Monitoring Wells.

FISCAL IMPACT: \$155,809.97 chargeable to the SGMA Grant, the Prop 1 Grant and the Groundwater Charge.

First Amendment to Professional Services Agreement with Hydrofocus to add new Scope of Work to Install and Monitor Ground Water Monitoring Wells

WHEREAS, North San Joaquin Water Conservation District (District) And Hydrofocus entered into a professional services Agreement dated August of 2022 attached hereto as Exhibit A.

WHEREAS, in the furtherance of its work the District requires additional Ground Water monitoring wells and groundwater monitoring services to evaluate and report on the District's work.

NOW, THEREFORE:

1. The District and Hydrofocus agree to amend the August 2022 to add the Scope of Services attached hereto as Exhibit effective August 18, 2023.

Steve Schwabauer, General Manager
North San Joaquin Water Conservation District

Steve Deverel
Hydrofocus

Agreement for Professional Services

The North San Joaquin Water Conservation District (Client) will retain **HydroFocus, Inc.** (Consultant) to provide the services described under Scope of Work.

1. **Scope of Work.** The scope of services is described in Appendix A, **with the following conditions:**
 - a. For Task 1 related to the Groundwater Model, Consultant will not perform the sensitivity analysis or exceed a total budget of \$20,000 for Task 1 until after model review and presentation/discussion with the NSJWCD Board of Directors. The Board will then decide whether to proceed with the sensitivity analysis.
 - b. For all Tasks, Consultant will bill for work related to the North and South systems in a manner that allows for grant reimbursement.
2. **Payment.** Consultant will be reimbursed for services on a time and materials basis and total payment under this contract will not exceed \$121,406.45 without authorization by the Client.
3. Consultant shall procure and maintain in effect insurance coverage in amounts not less than set forth below.
 - a.) Worker's compensation insurance and Employer's Liability as required by the laws of the State of California.
 - b.) General Liability: commercial general liability insurance for personal and bodily injury, including death and property damage on an occurrence basis, in the amount of \$1,000,000 combined single limit each occurrence and in aggregate.
 - c.) Automotive liability: automobile liability for personal and bodily injury, including death and property damage, in the amount of \$1,000,000 for each accident.
 - d.) Professional liability \$1,000,000 per occurrence.
 - e.) Consultant shall provide certificates of insurance evidencing coverage required above naming Client as insured.
4. **Invoicing.** Consultant shall provide written monthly invoices to Client. Each invoice shall provide a description of tasks completed during the billing period.
5. Consultant will operate as, and have the status of, an independent contractor and shall not act as an employee of the Client.
6. If, during the course of the performance of this agreement, should conditions or circumstances develop or are discovered that should not have been contemplated within

reason by Consultant or Client at the beginning of this agreement and that affect ability of Consultant to perform the services or increase the costs of performing the services, Consultant shall notify Client of the conditions or circumstances. Client and Consultant shall then in good faith, renegotiate the terms of this agreement.

7. Dispute Resolution. The parties shall attempt in good faith to resolve any dispute arising out of or relating to this Agreement promptly by negotiation between representatives of Client and the Consultant who have authority to settle the controversy. Any party may give the other party written notice of any dispute not resolved in the normal course of business. Within [15] days after delivery of the notice, the receiving party shall submit to the other a written response. The notice and the response shall include (a) a statement of each party's position and a summary of arguments supporting that position, and (b) the name and title of the person who will represent that party and of any other person who will accompany the representative. Within [30] days after delivery of the disputing party's notice, the representatives of both parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary, to attempt to resolve the dispute. All reasonable requests for information made by one party to the other will be honored. All negotiations pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations for purposes of applicable rules of evidence.

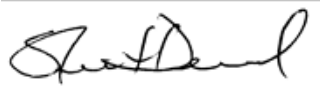
If the dispute has not been resolved by negotiation within forty-five [45] days of the disputing party's notice, or if the parties failed to meet within thirty [30] days, the parties shall endeavor to settle the dispute by mediation. The mediation shall be conducted by a professional mediation service reasonably acceptable to both parties (acceptance of which shall not be withheld unreasonably). The mediation shall take place in a mutually agreeable location no later than thirty (30) days after the request of the mediation has first been made. If the parties do not resolve the dispute within twenty (20) days after the commencement of the mediation, only then shall a party be authorized under this Agreement to pursue other remedies available to it under applicable law. The forgoing shall not prevent a party from seeking temporary injunctive or other equitable relief while the dispute resolution or mediation attempts are pending. Each party shall bear its own costs and expenses in connection with the mediation except that the fees of the professional mediation service shall be borne equally by both parties.

8. Any modification to this agreement shall be in writing and signed by both parties. Steven Deverel is the designated representative of the Consultant and _____ is the designated representative of the Client.
9. It is the intention of Consultant and Client that this document will be enforceable at law and/or admissible as evidence in any judicial or administrative procedure.

10. Mutual indemnification. Consultant shall indemnify, defend, and save harmless Client, and the Client from any claim, suit, liability, damage, injury, expense (including attorney's fees), or other loss arising out of Consultant's misconduct or negligence in connection with the performance of the services under this agreement. Client shall indemnify, defend, and save harmless Consultant from any loss arising out of Client's misconduct or negligence in connection the performance of services of this agreement.
11. Confidentiality. All data and findings will be deemed confidential. Consultant shall not disclose any of the same to a third party without Client's authorization, except to the extent that the information disclosed is in the public domain or whose disclosure law requires.
12. Taxes. Since the Consultant is an independent contractor, Consultant has the sole responsibility to withhold and pay all federal and state employment taxes, including Social Security taxes (FICA), State and Federal unemployment insurance contributions, Federal income taxes and State disability insurance contributions.
13. Professional responsibility. Subject to any limitations established by Client and agreed to by Consultant as to the degree of care and the amount of time and expenses to be incurred and any other limitations contained in the Agreement, Consultant shall perform the services consistent with that level of care and skill exercised by other professionals under similar circumstances at the time the Services are performed.
14. Client may terminate this Agreement with or without cause, prior to completion of the services by Consultant upon written notice to the Consultant. In the event Consultant services are terminated, Consultant compensation shall be determined solely in accordance with this Agreement and no additional fees or compensation shall be paid for such termination. Upon termination, Client will pay Consultant for any work performed through the date of termination. Consultant may terminate this Agreement in the event of a substantial failure of Client to perform in accordance with the terms of this agreement.
15. Unless otherwise specified, all documents and information obtained or prepared by the Consultant are the property of the Client. Consultant shall have the right to use the documents subject to permission by the Client.
16. Entire agreement. This agreement, including all attachments incorporated herein by reference, represents the entire agreement and understanding between Consultant and Client, and any negotiation, proposals or oral agreements are intended to be integrated herein and to be superseded by this agreement. In case of any conflict or inconsistency

between provisions in any contract document incorporated here by reference, the provisions in the body of this agreement shall control.

Signed



Steven Deverel
HydroFocus, Inc.

8/12/22
Date

Date
North San Joaquin Water Conservation District

Appendix A. HydroFocus Scope of work

Introduction

We herein provide a proposed scope of work for three tasks.

1. Assess the groundwater flow modeling efforts in the East San Joaquin Subbasin and associated uncertainty and use the groundwater flow model to estimate the District groundwater budget, contribution to overdraft and Mokelumne River recharge.
2. Determine locations for groundwater recharge projects and necessary monitoring.
3. Develop a District-wide groundwater monitoring plan and identify data collection efforts.

Experiential wisdom demonstrates the benefits of integrating groundwater monitoring and modeling. Iterative assessment of model uncertainty and data collection can improve confidence in models. Also, it is useful to assess how the model performs in the simulation of data collected outside the calibration period. Quantification of the uncertainty in these simulation results can provide insight about what additional data is needed to improve model certainty and prompt critical assessment of the hydrogeologic conceptual model. We suggest that this interactive model validation and data collection process will be useful for ongoing development of a reliable model for evaluation of District water management strategies.

Proposed Tasks

- 1. Assess the groundwater flow modeling efforts in the East San Joaquin Subbasin and associated uncertainty and use the groundwater flow model to estimate the District groundwater budget.**

Subtasks

- a) Review the Subbasin groundwater flow model documentation and run the Eastern San Joaquin Water Resources Model (ESJWRM).
- b) Assess model's ability to effectively simulate District hydrologic conditions and potential water-supply enhancement projects. Assess model uncertainty and limitations, especially within the District.
- c) Communicate with District, Woodard-Curran, County and State personnel to understand data collection, analysis, modeling and data-gap filling efforts and results that are relevant to the District.
- d) Use model to estimate the District water balance and contribution to Subbasin overdraft.
- e) Estimate Mokelumne River recharge.
- f) Present results orally and in a memorandum.

Deliverables

1. Presentation summarizing the results of model evaluation and associated communication, water balance calculations and Mokelumne River recharge.
2. Memorandum describing the results of model evaluation and associated communication, water balance calculations and Mokelumne River recharge.

2. Assess potential locations for groundwater recharge projects and necessary monitoring

There is substantial data and information about managed aquifer recharge (MAR) in agricultural areas in California and the western United States (e.g., Dahlke et al. 2018). The feasibility of MAR projects depends on interrelated factors and processes including water availability for recharge, water-conveyance infrastructure, economics, legal issues, soil properties, crop tolerance to saturated conditions, the ability to recover the recharged water, and effects on groundwater quality. O'Geen et al. (2015) developed a soil agricultural groundwater banking index based on the suitability factors for MAR projects. Factors include soil texture, topography, infiltration and deep percolation, chemical characteristics, and soil surface conditions. And the State is conducting Airborne Electromagnetic (AEM) Surveys which may be helpful in assessing subsurface conditions.

Subtasks

- a) We propose to use mapped soil agricultural groundwater banking index as a starting point for locating potential MAR areas. We will consult other sources of information, including the AEM survey results, and collaborate with the District to assess the other factors listed above.
- b) Field visits to assess site conditions.
- c) Develop a draft map of potential MAR locations.
- d) Develop a MAR-project specific monitoring plan.
- e) Communication with District, County and State personnel and consultants.

Deliverables

1. Maps of potential locations for MAR sites and explanation of methods.
2. Monitoring and data collection plan.

3. Develop a District-wide monitoring and data collection plan

Subtasks

- a) Review and analyze CASGEM, County, and SGMA current and planned efforts and evaluate adequacy.
- b) Use the groundwater model, data for district hydrologic conditions, determine key areas where additional monitoring will be essential for improved hydrologic understanding.
- c) Using the results of the model uncertainty evaluation in Task 1, we will write a memorandum describing potential data collection efforts that can increase model reliability and knowledge of hydrologic conditions for discussion with the District.
- d) Communication with District, County and State personnel and consultants.

Estimated Costs

Tasks and Subtasks	Estimated costs
Task 1. Assess the groundwater flow modeling efforts	
a. Review documentation and run model	\$12,380.00
b. Assess model's ability to simulate District conditions, includes uncertainty analysis	\$36,010.00
c. Communication	\$2,172.00
d. Estimate District water balance and uncertainty	\$8,710.00
e. Estimate Mokelumne recharge and uncertainty	\$2,852.00
f. Technical memorandum/presentation	\$7,200.00
Subtotal Task 1	\$69,324.00
Task 2. Determine locations for groundwater recharge projects and necessary monitoring	
a. Identification of MAR areas	\$5,672.00
b. Field visits to assess site conditions, discussion with District personnel and other professionals	\$9,197.50
c. Develop a draft map of potential MAR locations	\$2,372.00
d. Develop a MAR-project specific monitoring plan	\$6,392.00
e. Communication	\$1,810.00
Subtotal Task 2	\$25,443.50
Task 3. Develop a District-wide monitoring and data collection plan	
a. Evaluate adequacy of current District monitoring as related to the CASGEM, County, and SGMA efforts	\$3,400.00
b. Use the groundwater model, data for district hydrologic conditions and in collaboration with the District, determine key areas where additional monitoring will be essential	\$5,274.00
c. Using the results of the model uncertainty evaluation in Task 1, develop a list of potential data collection efforts.	\$5,480.00
d. Communication	\$1,448.00
Subtotal Task 3	\$15,602.00
Contingency (10%)	\$11,036.95
TOTAL	\$121,406.45

Draft Scope of Work for Groundwater-related technical assistance for the
North San Joaquin Water Conservation District
HydroFocus, Inc., Davis, CA, 11/29/2023

Project Understanding

The North San Joaquin Water Conservation District (District) seeks technical assistance for sustainable groundwater management. The District developed a Strategic Plan and Strategic Plan goal 3, sustainably manage groundwater, is relevant to the work proposed here. Specifically, managed aquifer recharge projects will help implement the Groundwater Sustainability Plan (GSP) for the Eastern San Joaquin Groundwater Subbasin. The District also will participate in GSP updates, monitor groundwater levels, and coordinate with neighboring subbasins. Goal 4, Protect the Mokelumne River Right, and Goal 7, Increasing the Total Water Supply Available, are also relevant for the work proposed here.

Objectives

Overall objective

Our overall objective is to provide groundwater-related assistance for groundwater sustainability.

Specific objectives

1. Install monitoring wells and monitor groundwater levels.
2. Quantify outcomes of recharge projects.
3. Understand, quantify, and document relevant hydrologic conditions within the District and the subbasin.
4. Effectively communicate and collaborate with District personnel, landowners, and stakeholders and the Groundwater Sustainability Agency.

Scope of Work

Proposed tasks

Monitoring Well installation

During December 2023, HydroFocus proposes to work with Cascade Drilling to install 3 monitoring wells on the Lakso, Reynolds, and Cranston properties (Figure 1). HydroFocus staff will perform the following tasks.

1. Well permits will be obtained from San Joaquin County for the wells.
2. HydroFocus will log drilling core samples and supervise the installation of the wells.
3. Supervise well development. The new wells will be pumped to remove any sediment resultant from drilling in the well.
4. Purchase and install transducers for continuous water level measurement in the wells.
5. Summarize the well installation and construction.

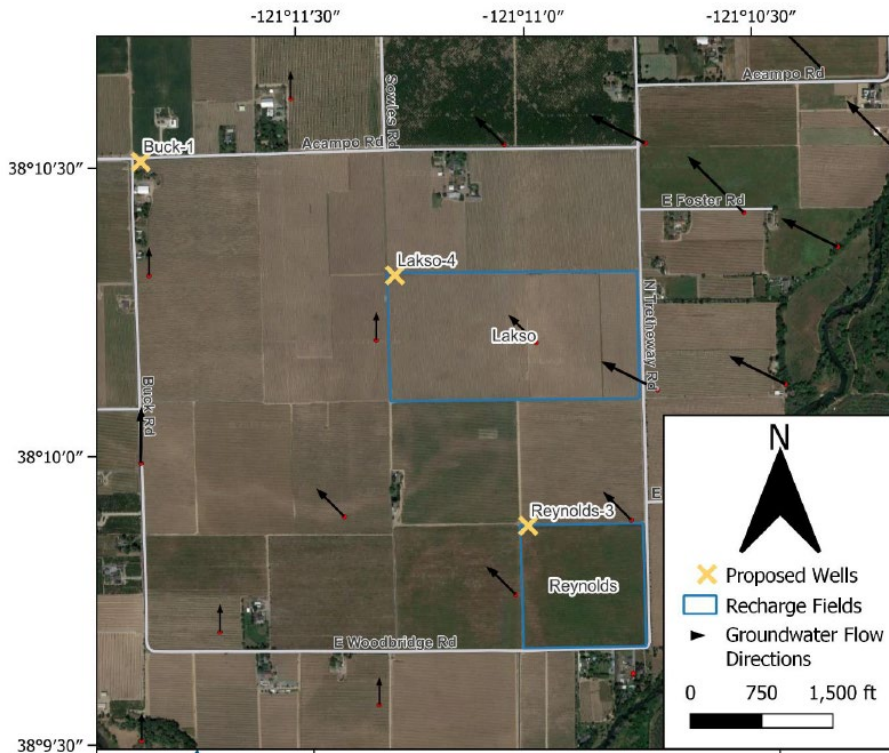


Figure 1. Locations of monitoring wells to be installed during December 2023. The well to be installed on the Cranston property is denoted as Buck-1

Estimated costs

Task		
1. Installation of wells	Labor	\$ 17,825.00
	Permitting	\$ 3,276.00
	Transducers	\$ 8,250.00
	Transportation	\$ 792.55
	Task subtotal	\$ 30,143.55
2. Development of wells	Labor	\$ 4,865.00
	Transportation	\$ 432.30
	Task subtotal	\$ 5,297.30
Contingency (10%)		\$ 4,073.82
Total		\$ 44,811.97

Groundwater monitoring

South System

We propose that the Tecklenburg recharge field be the primary monitoring focus for 2024 in the South System. The 10-acre Tecklenburg property is within the area where the groundwater banking index is delineated as excellent based on the soil survey data.

The primary objectives for continued monitoring proposed here are as follows.

- a) Determine water level changes as related to recharge,
- b) Measure recharge and determine capacity for recharge,
- c) Collect high frequency data that will provide understanding of effects of recharge.
- d) Use chemical data to better understand how much recharge water is entering adjacent wells.

A monitoring well adjacent to the Tecklenburg field was installed in June 2023 and groundwater levels have been measured in this well since then and surrounding wells shown in Figure 2 since March 2023. Water chemistry in samples collected from the monitoring and Sahi production wells and recharge water was determined in July 2023. Stable isotope data demonstrated a distinct difference between the groundwater and recharge water that can be used to help understand the movement of recharge water to adjacent wells and the aquifer. Water levels have also been continuously monitored in the recharge pond which has allowed the estimation of a recharge rate of about 4 inches per day. We propose to continue monitoring water levels in the Tecklenburg pond and monitoring well, and the Sahi well and to collect chemical and isotope data in these wells and the recharge pond.

Estimated costs

Data collection during November 2023 - December 2024 (water level and chemical data), data analysis and reporting	Labor	\$ 25,409.00
	Laboratory analysis	\$ 3,500.00
	Transportation	\$ 589.00
Subtotal		\$ 29,498.00
Contingency (10%)		\$ 2,949.00
Total		\$ 32,447.80

North System

Effective monitoring of groundwater levels is crucial to assess the impact of applied water on the underlying aquifers. Monitoring efforts to date have primarily focused on the production wells near the recharge fields on the Costa, Reynolds and Lakso properties. Since March 2023, HydroFocus has collected manual monthly groundwater elevation measurements for the wells depicted in Figure 1. We propose to collect groundwater level data in the wells to be installed as described in Task 1 and wells within and adjacent to the Costa field. The Costa C well in the middle of the recharge field is an abandoned production well which contains a transducer for continuous measurement of groundwater levels. Monitoring entails visiting the wells monthly to measure the depth to groundwater and download the transducer data. Similar to the Tecklenburg field, we propose to measure the change in recharge pond levels to estimate the recharge rate and collect samples to assess the potential for using isotopes to better understand the movement of water to wells. We shall also process and analyze the data and provide a report.

HydroFocus also proposes to estimate the recharge potential for the North System and write a technical memo that describes the results of our analysis.

Estimated costs

Data and one-time water sample collection during November 2023 - December 2024, data analysis and reporting, including recharge memo in early 2024.	Labor	\$ 38,077.00
	Instrumentation and lab analysis	\$ 5,686.00
	Transportation	\$ 2,787.75
Subtotal		\$ 46,550.75
Contingency (10%)		\$ 4,655.00
Total		\$ 51,206.00

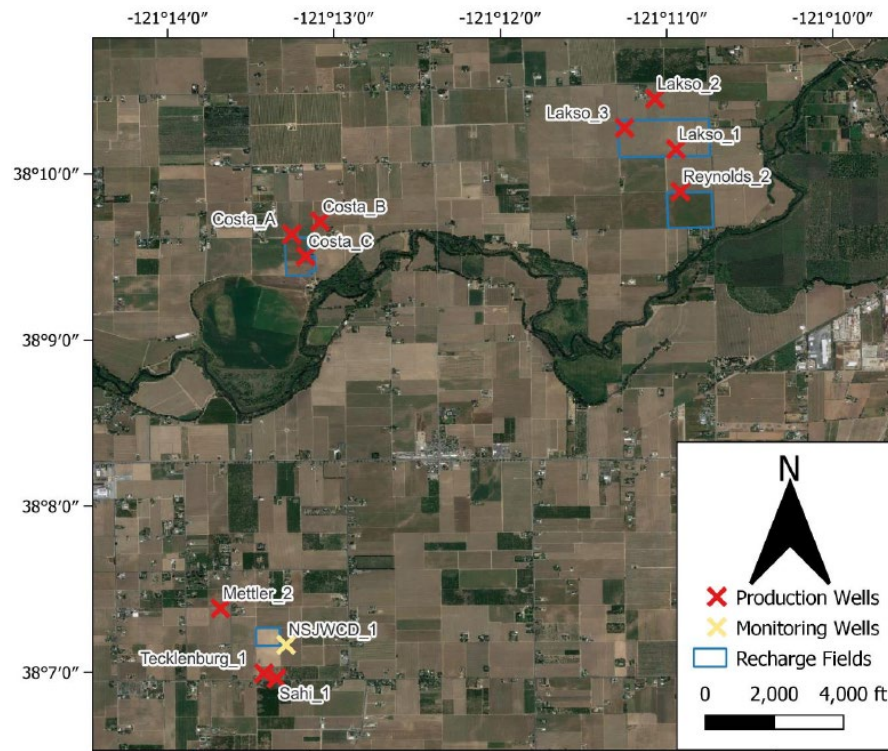


Figure 2. Locations of wells monitored during 2023.

Miscellaneous Tasks

Miscellaneous tasks include regular biweekly meetings, Board meetings, landowner meetings, document review, presentation preparation, and report and grant writing as required.

Estimated costs

Meetings and collaboration, writing, document review, presentation preparation, grant proposal writing	Labor	\$ 24,100.00
	Transportation	\$ 750.00
Subtotal		\$ 24,850.00
Contingency (10%)		\$ 2,485.00
Total		\$ 27,335.00

**Resolution 2023-22
of the Board of Directors of the**

**NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
Authorizing General Manager to Execute Amendment Number 1 to Agreement For
Professional Services with Hydrofocus to add new Scope of Work to Install and Monitor
Ground Water Monitoring Wells**

WHEREAS, North San Joaquin Water Conservation District (District) acts as a Groundwater Sustainability Agency and provides in lieu and direct recharge services within its boundaries.

WHEREAS, in the furtherance of this work the District requires Ground Water monitoring wells and groundwater monitoring services to evaluate and report on its work.

WHEREAS, the Hydrofocus currently provides professional services to the District under an Agreement for Professional Services Dated August 12, 2022.

WHEREAS, the Hydrofocus proposes to provide install three groundwater monitoring wells in the North System and provide ground water monitoring services as laid out in the attached Scope of Services at a total cost of \$155,899.97.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The General Manager is authorized to enter the attached Amendment Number 1 to Agreement For Professional Services with Hydrofocus to add new Scope of Work to Install and Monitor Ground Water Monitoring Wells.

ADOPTED: December 18, 2023 on motion of Director _____, seconded by Director _____ and passed by the following vote:

AYES: ____ NOES: ____ ABSENT: ____ ABSTAINS: ____

CERTIFICATE OF SECRETARY

I do hereby certify that I am the Secretary of the North San Joaquin Water Conservation District, a water conservation district organized and existing under the laws of the State of California, and that the foregoing Resolution was duly adopted by the Board of Directors of said District at a meeting thereof duly and regularly held at Grape Festival Barrel Room, Lodi, California on the ____ day of December 2023, at which meeting a quorum of said Board of Directors was at all times present and acting, and that said Resolution has not been rescinded or amended in whole or any part thereof, and remains in force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and the Seal of the North San Joaquin Water Conservation District this ____ day of December, 2023

David Simpson, Secretary
North San Joaquin Water Conservation District

BOARD OF DIRECTORS

P.O. Box E, Victor, CA 95253

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Adopt Resolution Authorizing General Manager to Reimburse Spaletta Law for use of Office Space, File Storage, Materials and Copier.

DISCUSSION: The District General Manager is currently using an office, copier, and office materials paid for by Spaletta Law. The arrangement is expected to continue month to month until mid 2024, when Spaletta Law will close its local office space.

Spaletta Law pays \$1750 per month for rent, \$200 per month for utilities and \$200 per month to lease the copier for a total of \$2150 per month. I recommend that the Board authorize the General Manager to reimburse Spaletta Law \$700 per month for the District's share of these expenses effective November 1, 2023 through the end of the District's occupancy of the office.

I further recommend that the given the short term and revocable nature of the use that it be paid on invoice from Spaletta Law rather than an official sub lease.

RECOMMENDATION:

Adopt Resolution Authorizing General Manager to Reimburse Spaletta Law for use of Office Space, File Storage, Materials and Copier.

FISCAL IMPACT: Approximately \$5,600 (8 months times \$700 per month).

**Resolution 2023-23
of the Board of Directors of the**

**NORTH SAN JOAQUIN WATER CONSERVATION DISTRICT
Authorizing General Manager to Reimburse Spaletta Law \$700.00/Month for Rent, File
Storage, Utilities and Copier Use.**

WHEREAS, North San Joaquin Water Conservation District (District) requires Office Space for staff and records.

WHEREAS, staff and office space are currently housed at the Office leased and paid for by Spaletta Law at a cost of over \$2,150/month.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The General Manager is authorized to reimburse Spaletta Law \$700 per month for Rent, File Storage, Utilities and Copier use beginning November 1, 2023.

ADOPTED: December 18, 2023 on motion of Director _____, seconded by Director _____ and passed by the following vote:

AYES: ____ NOES: ____ ABSENT: ____ ABSTAINS: ____

CERTIFICATE OF SECRETARY

I do hereby certify that I am the Secretary of the North San Joaquin Water Conservation District, a water conservation district organized and existing under the laws of the State of California, and that the foregoing Resolution was duly adopted by the Board of Directors of said District at a meeting thereof duly and regularly held at Grape Festival Barrel Room, Lodi, California on the ____ day of December 2023, at which meeting a quorum of said Board of Directors was at all times present and acting, and that said Resolution has not been rescinded or amended in whole or any part thereof, and remains in force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and the Seal of the North San Joaquin Water Conservation District this ____ day of December, 2023

David Simpson, Secretary
North San Joaquin Water Conservation District

BOARD OF DIRECTORS

P.O. Box E, Victor, CA 95253

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Adopt Resolution Authorizing General Manager to enter into Contract with Sierra Controls for installation of SCADA system on Pixley Pump Station for the DREAM Project.

DISCUSSION: The District pumps water from the pump station at Pixley Slough that feeds water to landowners along the slough. The water is provided through the DREAM project which is a water trade between EBMUD and the District. EBMUD served its water to the District via the Mokelumne River that the District served to farmers for in lie recharge (irrigation of crops with surface water instead of groundwater) The District will return a portion of the water through in lieu stored groundwater beginning in January of 2024 from a private well to the EBMUD Mokelumne Aqueduct. It will be important for the District to have real time automated data on the water returned to EBMUD to show accountability to its landowners and governmental bodies that will have the position to approve extending the project.

The proposed SCADA system will read both water pumped to EBMUD and water pumped to the farmers, as well as provide automation and remote operation of the Pixley pump station. Staff notes that the DREAM project is currently only a one-time project however, the project is expected to be continued and the SCADA system will still be needed for the pumps and meters for the water served to the farmers. As such the installation remains a productive investment. In addition, the costs are billable to EBMUD.

RECOMMENDATION:

Adopt Resolution Authorizing General Manager to enter into Contract with Sierra Controls for installation of SCADA system on Pixley Pump Station for the DREAM Project.

FISCAL IMPACT: \$89,206.66, reimbursable though EBMUD.



PROPOSAL

Sierra Controls, LLC
 5470 Louie Lane Ste. 104
 Reno, NV 89511
 (775) 236-3350

Quote / Project #: 22-6747
 Date: 12/15/2023
 Project Manager: Jeremy Veach
 Est. Start Date: TBD

To: North San Joaquin Water Conservation District
Attention: Daniel de Graaf
Project: Pixley Pump Station

Sierra Controls LLC (SC) is pleased to provide this proposal for North San Joaquin Water Conservation District in support of the Pixley Pump Station.

SC to provide the design and integration services including (1) monitoring RTU, radio equipment, hardware, and software as provided below. Project to allow for remote monitoring of the Pixley Pump Station Site and measurement of the flow in the outlets from the pump flow meter. All data to be sent electronically to the District's HMI Ignition system and integrated seamlessly with the District's existing sites while utilizing MQTT lossless data technologies.

Item #	Description	Quantity	Unit Price	Est. Tax	Line Total
Item 1	Pixley Pump Station RTU Pricing Includes: (1) ENCLOSURE 30X24X8 NEMA 4 (1) PANEL A30P24 (1) SCADAPACK 474 W/ 2AO 11-30VDC (1) MODULE ANALOG OUTPUT 5304 (1) TOUCHSCREEN OIT 24 VDC 9.7IN (1) HMI HINGED COVER (1) HMI COVER HINDGE (1) POWER SUPPLY 1606-XLP100E 24-2 (1) BATTERY CHARGER 73-091AA (1) RADIO VIPER SC 140-5018-502 (1) ETHERNET SWITCH MANAGED (1) ENCLOSURE 12X12X8 NEMA 3R SCRE (2) BATTERY 12V 35AH(s) (1) ANTENNA YAGI 148-174 MHZ ANT15 (1) ENCLOSURE 12X12X8 NEMA 3R SCRE (2) BATTERY 12V 35AH(s) (1) ANTENNA YAGI 148-174 MHZ ANT15 Pricing also Includes: Manufacturing, Electrical Testing	1	\$ 23,030.00	\$ 1,001.65	\$ 24,031.65
Item 2	Instrumentation Pricing Includes: (1) SUB XDCR 4-20MA 0-15PSI 40FT (1) TRANSDUCER BELLOWS	1	\$ 1,650.00	\$ 71.58	\$ 1,721.58
Item 3	Professional Services Pricing Includes: Project Management, Engineering & Design, Computer / IT Configuration, Radio Programming, PLC Programming, OIT Programming, HMI Development, As Builts	1	\$ 18,585.00	\$ 545.93	\$ 19,130.93
Item 4	Installation Services Pricing Includes: Travel, Installation, Start Up	1	\$ 36,360.00	\$ -	\$ 36,360.00

Item 5	Contingency	1	\$ 7,962.50	\$ -	\$ 7,962.50
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Pricing Includes:

This contingency is to mitigate risks in the construction phase. Use of this contingency will require client approval prior to work being performed. This is estimated at 10% of the project cost.

Project Total:

Price	Est. Tax	Total Price
\$ 87,587.50	\$ 1,619.16	\$ 89,206.66

Notes & Disclaimers:

Power: Engineering Design of RTU based upon 120v power either existing or provided by others, U.N.O. All other power to be provided by others as required by project.

Conduit & Wire: All conduit, wire pulls and wire labeling to be provided and installed by others. Existing wiring to be in good working order or be replaced by others.

Existing Conditions: Proposal is based upon the presumption that all existing programs, hardware, and controls are complete and functional. Additional programming, hardware or adjustments required by SC to fix / modify existing programming or PCIS / SCADA SYSTEM outside of the scope of this agreement to be billed on a T&M basis.

Additional T&M Work: This proposal represents the complete scope of work to be performed by SC. Any additional requirements, specifications or construction details outside of this proposal are not included and will be billed on a T&M basis as mutually agreed upon by all parties.

Wage Rates: Pricing is based upon Prevailing Wage Rates in the respective CA County. Client to notify SC prior to the beginning of work if different or indemnify SC for any loss or penalties assessed if determined otherwise after the execution of this agreement.

Warranty: All equipment manufactured by SC to be under a Limited (1) Year Warranty based upon SC Standard Warranty Terms & Conditions beginning at the time of installation or delivery to client. (Whichever comes first) unless noted otherwise. Warranty is void where no Remote Access is provide or available. Additional Terms & Conditions apply. SC will provide complete warranty terms and conditions upon request. Extended warranties available upon request.

Cloud SCADA pricing: Upon substantial completion of the Pixley Pump Station Project, the monthly Ignition cost will increase by \$12.65/Month (given there is no control points being added to the system and no VFD monitoring) with a one time \$100.00 fee for the additional PLC connection fee, already included in the RTU cost.

Delivery: Scheduled ARO
Terms: NET 30
FOB: RENO, NV

**RESPECTFULLY SUBMITTED,
SIERRA CONTROLS, LLC**



D. Andrew Ward - President

This quote is valid for 30 days.

To proceed with this order please sign below with an authorized signature and return.

Signed

PO Number

Date

BOARD OF DIRECTORS

P.O. Box E, Victor, CA 95253

From: Steve Schwabauer, General Manager

RECOMMENDED ACTION: Ratify General Manager’s issuance of a purchase order with AVID Construction for Lay Flat Pipe for Lakso Recharge Project.

DISCUSSION: The District Purchasing Policy Section 4010.2.1 states that “The General Manager can approve expenditures of \$10,000 or less between Board meetings, subject to subsequent Board ratification, when necessary for timely operation of the District.” The district has a narrow window to perform recharge operations at the Lakso site between now and February. As such I approved the attached \$3684.74 Purchase Order with Avid Water to expedite the time frame to begin recharge work.

RECOMMENDATION:

Ratify General Manager’s issuance of a purchase order with AVID Construction for Lay Flat Pipe for Lakso Recharge Project.

FISCAL IMPACT: \$3684.74 from SGMA Grant and Ground Water Charge.

Quote

AvidWater, LLC
 P.O. Box 1358
 Patterson, CA 95363
 (209) 894-7208

Order Number: 0306934
Order Date: 12/13/2023

Salesperson: LW41
Customer Number: 00-WILL100

Sold To:
 Williams Quotes
Confirm To:

Ship To:
 Williams Quotes

Customer P.O.	Ship VIA	F.O.B.	Terms			
Water district			Due Upon Receipt			
Item Code	Unit	Ordered	Shipped	Back Order	Price	Amount
/901	EACH	0.0000	0.0000	0.0000	0.0000	0.00
Materials Only						
125-100080	FOOT	600.0000	0.0000	0.0000	4.5000	2,700.00
Layflat, 8" x 300' Roll (Pric			Whse: 010			
125-110008	EACH	1.0000	0.0000	0.0000	76.1828	76.18
Layflat Fitting, Insert Coupli			Whse: 010			
125-101060	EACH	3.0000	0.0000	0.0000	2.1987	6.60
Clamp 096 - 6" Layflat			Whse: 010			
125-115008	EACH	1.0000	0.0000	0.0000	104.8231	104.82
Layflat Fitting, Insert Spigot			Whse: 010			
155-590100	EACH	1.0000	0.0000	0.0000	135.3500	135.35
Elbow, 90° x 10" IPS Class 10			Whse: 010			
155-610080	EACH	1.0000	0.0000	0.0000	58.5900	58.59
Reducer Cone, 10" x 8" Class			Whse: 010			
150-854100	EACH	1.0000	0.0000	0.0000	125.0000	125.00
Flange, Van Stone 10" SOC Sch8			Whse: 010			
105-150210	EACH	1.0000	0.0000	0.0000	9.9900	9.99
Gasket, Full Faced 10"			Whse: 010			
020-514030	EACH	12.0000	0.0000	0.0000	2.4090	28.91
Bolt, 7/8" x 3"			Whse: 010			
020-514000	EACH	12.0000	0.0000	0.0000	0.9200	11.04
Nut, 7/8"			Whse: 010			
170-100100	FOOT	3.0000	0.0000	0.0000	17.1686	51.51
Pipe, 10" IPS CLASS 100 BE			Whse: 010			
095-271704	EACH	2.0000	0.0000	0.0000	28.6390	57.28
Glue, 717 Medium Setting Gray			Whse: 010			
095-920004	EACH	1.0000	0.0000	0.0000	30.5000	30.50
Glue, Purple Primer for all PV			Whse: 010			
095-502000	EACH	2.0000	0.0000	0.0000	11.9679	23.94
Glue, 4" Swab for Quart Cans			Whse: 010			

Net Order:	3,419.71
Less Discount:	0.00
Freight:	0.00
Sales Tax:	265.03
Order Total:	3,684.74

P.O. Box E, Victor, CA 95253

PREPARED BY: Petrea Marchand, Consero Solutions
Steve Schwabauer, General Manager

RECOMMENDATION: Receive Update on North San Joaquin Water Conservation District
Project Funding Requests and Grant Opportunities

BACKGROUND:

Consero Solutions provides monthly reports on funding opportunities for which the District has applied or for which the District is considering applying.

DISCUSSION:

1. U.S. Bureau of Reclamation WaterSMART Drought Response Program

Project Name: South System Modernization Project, Phase 4

Amount Requested: \$5 million

Amount of Cost Share: 50%

Status: **SUBMITTED (November 3, 2023)**

Application Due: **November 7, 2023**

Status: No update since the last Board meeting. The District expects the Bureau to announce awards in spring 2024.

Context: The WaterSMART Drought Response Program is an annual program which receives money through the annual federal appropriations process. The program typically limits applications to \$2 million and only provides between \$30 million and \$40 million in awards. The District Board decided in April 2023 to apply for \$5 million for the South System Project, Phase and the District submitted the grant on November 3, 2023. The Bureau anticipates awarding a total of \$55 million in federal funding for drought resiliency projects in the western states.

2. California Department of Food and Agriculture Office of Environmental Farming and Innovation State Water Efficiency and Enhancement Program (SWEEP)

Project Name: State Water Efficiency and Enhancement Program

Amount Requested: Up to \$200,000 per grower

Amount of Cost Share: Encouraged, but not required

Release Request for Grant Application: November 28, 2023

Application Due: **January 19, 2024**

Status: The Department released the State Water Efficiency and Enhancement Program guidelines and request for applications on November 28, 2023. The General Manager sent a flyer and message to the District's distribution about the opportunity and is following up with individual growers who are interested to encourage them to apply. At this point, about a half dozen landowners have expressed an interest in applying. The State Water Efficiency and Enhancement Program is different from the SWEEP Block Grant Pilot Program in that the State Water Efficiency and Enhancement Program will award grants directly to growers. The

Department has confirmed they will not exclude growers in the service areas of SWEEP Block Grant Pilot Program awardees like the District.

Context: The Department has offered this program, which provides grants to growers for on-farm projects to increase irrigation efficiency and reduce greenhouse gas emissions, for years. The District has encouraged growers to apply in the past, but few growers received funding through the program because of significant competition. The Department has updated the guidelines to include criteria favorable to the District, including two extra points if the grower's operation is in a critically overdrafted groundwater basin. The SWEEP Block Grant Pilot Program and the traditional SWEEP Grant Program will award a combined total of \$70 million this year, of which approximately \$42.5 million was allocated to the Block Grant Pilot Program and \$37.5 million to the traditional program that provides grants directly to growers. The 2023-24 State budget does not include any funding for a 2024 round for this program, so this may be the last opportunity to apply for a couple of years.

3. Office of Planning and Research Integrated Climate Adaptation and Resiliency Program – [Regional Resilience Planning and Implementation Grant Program](#)

Project Name: TBD

Amount Requested: TBD

Amount of Cost Share: TBD

Application Due: **Anticipated August 2024**

Status: At the May 22nd meeting, the Board did not object to staff's recommendation to postpone this application until 2024. Consero will advise the Board after OPR announces awards from the 2023 funding round as to potential plans or projects likely to be competitive if the District decides to apply next year. The District will likely need to develop multi-benefit groundwater recharge projects to increase competitiveness for this funding opportunity.

Context: The Governor's Office of Planning and Research (OPR), through the Integrated Climate Adaptation and Resiliency Program (ICARP), is funding the Regional Resilience Planning and Implementation Grant Program (RRGP). Over three funding rounds, the RRGF will award \$125 million in planning and implementation grants to advance climate resilience and respond to the greatest climate risks in their regions, including projects consistent with Groundwater Sustainability Plans.

4. Resources Bond Update

Status: The District has scheduled a meeting with Senator Eggman in January and is working on scheduling a meeting with Assemblymember Villapudua.

Context: The District is engaging in the resources bond discussion because the state's \$30 billion 2023-24 budget deficit resulted in no additional funding to grant programs of interest to the District, such as SGMA and SWEEP. As a result, Consero expects no future funding rounds for these programs until a resources bond is passed. The Legislature will therefore continue working

on the resources bond in January 2024, with the goal of placing the resources bond on the November 2024 ballot by May 2024. The State's budget deficit is larger than anticipated, so Consero expects the Legislature to reduce the size of the current resources bond from \$15 billion to between \$6 billion and \$9 billion in anticipation of the Governor announcing a cap on State bonded indebtedness. The District's goal is to draw attention to the need to maintain the groundwater sustainability funding currently in both the Senate and the Assembly versions of the bond.