

# Colusa Groundwater Authority Board of Directors

P.O. Box 475, Colusa, CA 95932 | [www.colusagroundwater.org](http://www.colusagroundwater.org)

## **MEETING AGENDA**

**April 23, 2024 | 1:30 p.m.**

**Colusa Industrial Properties, 100 Sunrise Blvd., Colusa, CA 95932**

**Alternative meeting location(s):**

**381 HCR 2424, Hillsboro, TX 76645**

**Members of the public may attend this meeting in person or through Zoom:**

Join from a PC, Mac, iPad, iPhone or Android device:

Please click this URL to join. <https://us06web.zoom.us/j/82885749582>

Or One tap mobile:

+16694449171,,82885749582# US

+17193594580,,82885749582# US

Or join by phone:

US: +1 669 444 9171 or +1 719 359 4580 or +1 720 707 2699

Webinar ID: 828 8574 9582

Full Agenda Packet: <https://colusagroundwater.org/agendas-and-minutes-2024/>

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\* Indicates action item

### **1. Call to Order and Determination of Quorum**

- a. Roll Call of Directors and Alternates
- b. Introductions of others in attendance

### **2. Period Of Public Comment**

*At this time, members of the public may address the CGA Board regarding items that are not on the agenda but are of relevance to the CGA. The Board may not act on items not on the agenda.*

### **3. Consent Calendar**

*All consent calendar items may be acted upon by a single motion unless otherwise requested by a board member for separate consideration.*

- a. \*Approval of Minutes from the March 26, 2024 CGA Board Meeting
- b. \*Receive and File March Financial Statements
- c. \*Review and Consider Approval of April Claims

### **4. Presentation on Long-Term Funding/Fee Study**

- a. The board will receive a presentation from Luhdorff & Scalmanini on the fee study project.

### **5. Update on Temporary Water Rights Permit Application**

- a. Staff will provide an update on the status of CGA's temporary water rights application.

### **6. GSP Update**

- a. The board will receive an update on GSP implementation and revisions.

**7. DWR Staff Update**

**8. Committee Reports**

- a. **Technical Advisory Committee** – Deke Dormer, Kate Dunlap, Bill Vanderwaal, Jim Wallace, Darrin Williams
- b. **Long Term Funding ad hoc** – Darrin Williams, Jeff Moresco, Frank A. Nobriga, Hilary Reinhard

**9. Administrative Update**

**10. Closed Session**

- a. Conference with Legal Counsel (Gov't Code 54956.9) – Existing litigation:  
*Aqualliance et al. v. Colusa Groundwater Authority, Glenn Groundwater Authority* Colusa County Superior Court – Case Number CV24584

*Aqualliance et al. v. Biggs-West Gridley Water District, et al.*  
Butte County Superior Court – Case Number 22CV00348

**11. Report out of Closed Session**

**12. Member Reports and Comments**

**13. Next Meeting:** May 28, 2024

**14. Adjourn**

A complete agenda packet, including back-up information, can be found on the CGA website:

<https://colusagroundwater.org>. In compliance with the Americans with Disability Act, if you require special accommodation to participate in CGA Board or Subcommittee meetings, please contact the Colusa Groundwater Authority Program Manager at 650-587-7300, extension 17, prior to any meeting for accommodations.

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### **AGENDA ITEM 1: CALL TO ORDER AND DETERMINATION OF A QUORUM**

#### **AGENDA ITEM 1a: Roll Call of Officers and Alternates**

SIX (6) Members must be present to constitute a quorum.

As of July 1, 2023, and through June 30, 2025, **Westside Water District** sits as the representative for Maxwell I.D. and Westside W.D.; and **Provident Irrigation District** sits as the representative for Princeton-Codora-Glenn I.D. and Provident I.D.

**Note: Beginning July 1, 2025, Maxwell Irrigation District and Princeton-Codora-Glenn Irrigation District will represent their respective Memberships on the CGA Board.**

***4.1 Board of Directors.*** *The business of the Authority will be conducted by a Board of Directors that is hereby established, and that shall be initially composed of and appointed as follows: One member of the Board of the Maxwell Irrigation District or the Westside Water District, said appointment to alternate every two years beginning with an appointment by the Maxwell Irrigation District of one of its Board members; One member of the Board of the Princeton-Codora-Glenn Irrigation District or the Provident Irrigation District, said appointment to alternate every two years beginning with an appointment by the Princeton-Codora-Glenn Irrigation District of one of its Board members...*

Entity	Name
<b>COUNTY OF COLUSA</b>	
BOARD MEMBER	Gary Evans
ALTERNATE	Janice Bell
<b>CITY OF COLUSA</b>	
BOARD MEMBER	Jesse Cain
ALTERNATE	Greg Ponciano
<b>CITY OF WILLIAMS</b>	
BOARD MEMBER	Kate Dunlap
ALTERNATE	Alfred Sellers, Jr.
<b>GLENN COLUSA IRRIGATION DISTRICT</b>	
BOARD MEMBER	Blake Vann
ALTERNATE	Vacant
<b>COLUSA COUNTY WATER DISTRICT</b>	
BOARD MEMBER	Frank Nobriga, Jr.
ALTERNATE	Halbert Charter
ALTERNATE	Shelly Murphy
<b>PROVIDENT IRRIGATION DISTRICT</b>	
BOARD MEMBER	Jim Campbell
<b>WESTSIDE WATER DISTRICT</b>	
BOARD MEMBER	Zach Dennis
ALTERNATE	Mike Urkov
<b>RECLAMATION DISTRICT 108</b>	
BOARD MEMBER	Hilary Reinhard
ALTERNATE	Bill Vanderwaal
<b>RECLAMATION DISTRICT 479</b>	
BOARD MEMBER	Derrick Strain
ALTERNATE	Vacant
<b>COLUSA DRAIN MUTUAL WATER COMPANY</b>	
BOARD MEMBER	Jim Wallace
ALTERNATE	Lynell Pollock
<b>PRIVATE PUMPER</b>	Darrin Williams
<b>PRIVATE PUMPER</b>	Jeff Moresco
<b>MAXWELL IRRIGATION DISTRICT</b>	
BOARD MEMBER	Chris Dobson
ALTERNATE	Drew Dirks
<b>PRINCETON-CODORA-GLENN IRRIGATION DISTRICT</b>	
BOARD MEMBER	Jim Campbell
ALTERNATE	Lance Boyd

[AGENDA ITEM 1b: Introductions of Others in Attendance](#)

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## AGENDA ITEM 2: PERIOD OF PUBLIC COMMENT

Members of the public may comment on items not on today's agenda that are relevant to the CGA. Public comments are limited to no more than 5 minutes. No action can be taken on items that are not on the agenda.

## AGENDA ITEM 3: CONSENT CALENDAR

### BACKGROUND:

All Consent Calendar items may be acted upon by a single motion unless otherwise requested by a board member for separate consideration.

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### ACTION ITEMS:

#### [AGENDA ITEM 3a. Approval of Minutes from the March 26, 2024 CGA Board Meeting](#)

**ATTACHMENTS:** Draft minutes from March 26, 2024 CGA board meeting

#### [AGENDA ITEM 3b. Receive and File March Financial Statements](#)

**ATTACHMENTS:** Financial statements for period ending March 31, 2024

#### [AGENDA ITEM 3c. Review and Consider Approval of April Claims](#)

**ATTACHMENTS:** Report of Claims to be paid for April 2024 and supporting documents for claims totaling \$176,453.88.

# Colusa Groundwater Authority Board of Directors

1213 Market Street, Colusa, CA 95932 | 530-458-0891 | [www.colusagroundwater.org](http://www.colusagroundwater.org)

## MEETING MINUTES

March 26, 2024

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*\* Indicates action item*

### 1. Call To Order and Determination of Quorum

Chair Williams called the meeting to order at 1:30 P.M. and led the Board in the Pledge of Allegiance.

#### a. Roll Call of Officers and Alternates

Present: Janice Bell, Jesse Cain, Kate Dunlap, Jeff Moresco, Frank Nobriga, Bill Vanderwaal, Jim Wallace, Darrin Williams.

Absent: Jim Campbell, Zachary Dennis, Derick Strain, Blake Vann.

#### b. Introductions of others in attendance

Public members Thaddeus Bettner, Brandon Davison, Mary Fahey, Ryan Fulton, Ben King; Board Members attending as public: Shelly Murphy; CGA Counsel Alan Doud; CGA staff Denise Carter, Carol Thomas-Keefer, Harrison Tregenza.

### 2. Period Of Public Comment

*At this time, members of the public may address the CGA Board regarding items that are not on the agenda but are of relevance to the CGA. The Board may not act on items not on the agenda.*

Public comment was received.

### 3. Consent Calendar

*All consent calendar items may be acted upon by a single motion unless otherwise requested by a board member for separate consideration.*

On motion by Director Dunlap, seconded by Director Nobriga, the Consent Calendar was approved.

AYES:	8	Bell, Cain, Dunlap, Moresco, Nobriga, Vanderwaal, Wallace, Williams
NOES:	0	
ABSTAIN:	0	
ABSENT:	4	Campbell, Dennis, Strain, Vann

- a. **\*Approval of Minutes from the February 27, 2024, CGA Board Meeting**
- b. **\*Receive and File February Financial Statements**
- c. **\*Review and Consider Approval of March Claims**

**4. Approval of Second Amendment to Butte Subbasin Cooperation Agreement**

- a. **\*The board will consider approval to the Second Amendment to the Butte Subbasin Cooperation Agreement regarding cost sharing.**

Ms. Thomas-Keefer reviewed the proposed amendment and stated that the Butte Subbasin GSAs will share GSP implementation costs equally. The member contribution for FY 2023-24 is \$12,337.55.

On motion by Director Bell, seconded by Director Vanderwaal, the Board approved the Second Amendment to the Butte Subbasin Cooperation Agreement regarding cost sharing.

AYES:	8	Bell, Cain, Dunlap, Moresco, Nobriga, Vanderwaal, Wallace, Williams
NOES:	0	
ABSTAIN:	0	
ABSENT:	4	Campbell, Dennis, Strain, Vann

**5. Update on Long-Term Funding/Fee Study Progress**

Ms. Thomas-Keefer provided a status update on Luhdorff & Scalmanini’s work on the fee proposal. Chair Williams then provided a verbal report on recent public workshops to review proposed fees.

**6. GSP Update**

Ms. Thomas-Keefer provided an update on the annual reports, the GSP revisions, and upcoming meetings. Chair Williams then provided an overview of proposed GSP revisions to address domestic well mitigation and demand management. Additional special joint board meetings between CGA and Glenn Groundwater Authority are planned for April 12 and April 19 to continue development and review of GSP revisions.

**7. DWR Staff Update**

None.

**8. Committee Reports**

- a. **Technical Advisory Committee** – Deke Dormer, Kate Dunlap, Bill Vanderwaal, Jim Wallace, Darrin Williams  
Ms. Thomas-Keefer reported that the TAC met on March 8 to review proposed technical components of GSP revisions.

- b. **Long Term Funding ad hoc** – Darrin Williams, Jeff Moresco, Frank A. Nobriga, Hilary Reinhard  
Chair Williams noted that this Committee’s activities were discussed earlier in the meeting.

- c. **Temporary Water Rights ad hoc Committee** – Darrin Williams, Jim Wallace, Shelly Murphy, Janice Bell  
Chair Williams provided a verbal report, stating that the Committee will consider resubmitting another application for temporary water rights permit later this year for winter diversions.

**9. Administrative Update**

Ms. Thomas-Keefer noted that a meeting of the ad hoc FY 2024-25 Budget Committee will be coordinated soon in order to begin the budget process.

**10. Closed Session**

The Board entered Closed Session at 2:24 P.M.

- a. Conference with Legal Counsel (Gov't Code 54956.9) – Existing litigation:  
*Aqualliance et al. v. Colusa Groundwater Authority, Glenn Groundwater Authority*  
Colusa County Superior Court – Case Number CV24584

*Aqualliance et al. v. Biggs-West Gridley Water District, et al.*  
Butte County Superior Court – Case Number 22CV00348

The Board returned to Open Session at 2:27 P.M.

**11. Report out of Closed Session**

No reportable action was taken in Closed Session.

**12. Member Reports and Comments**

Director Vanderwaal provided a verbal report on the RD 108 symposium.

**13. Next Meeting: May 28, 2024**

**14. Adjourn**

Chair Williams adjourned the meeting at 2:33 P.M.

# BUDGET TO ACTUAL REPORT- MARCH

		ACTUALS BY REVENUE						
	(A) BUDGET	Restricted Prop. 218	Restricted Grants	(B) \$ ACTUAL	(A-B) \$ REMAINING	(B/A) % COMPLETED		
<b>1</b>	<b>REVENUE</b>						<b>1</b>	
<b>2</b>	<i>Prior Year Funds to Balance</i>	<b>180,651</b>	-	-	-	180,651	0%	<b>2</b>
<b>3</b>	Proposition 218 Fee Agreements	390,432	172,580	-	<b>172,580</b>	217,852	44%	<b>3</b>
<b>4</b>	Proposition 218 Landowner Fee-Operations Flat Fee	6,812	6,812	-	<b>6,812</b>	(0)	100%	<b>4</b>
<b>5</b>	Glenn County Groundwater Authority Reimbursement	50,000	-	-	-	50,000	0%	<b>5</b>
<b>6</b>	Interest	80	68	-	<b>68</b>	12	85%	<b>6</b>
<b>7</b>								<b>7</b>
<b>8</b>	<b>TOTAL REVENUES</b>	<b>627,975</b>	<b>179,461</b>	<b>-</b>	<b>179,461</b>	<b>448,514</b>	<b>29%</b>	<b>8</b>
<b>9</b>	<b>EXPENSES</b>							<b>9</b>
<b>10</b>	<b>Office Expense</b>							<b>10</b>
<b>11</b>	Bank Fees	50	19	-	<b>19</b>	31	38%	<b>11</b>
<b>12</b>	JPA Insurance	1,800	-	-	-	1,800	0%	<b>12</b>
<b>13</b>	Printing and Copying/Outreach	5,000	-	-	-	5,000	0%	<b>13</b>
<b>14</b>	Website-Current	500	-	-	-	500	0%	<b>14</b>
<b>15</b>	Website-New	15,000	-	-	-	15,000	0%	<b>15</b>
<b>16</b>	Supplies	500	-	-	-	500	0%	<b>16</b>
<b>17</b>								<b>17</b>
<b>18</b>	<b>Professional Services- Admin</b>							<b>18</b>
<b>19</b>	Auditor	8,000	-	-	-	8,000	0%	<b>19</b>
<b>20</b>	Financial Services Bookkeeping (Atlas)	5,000	1,574	-	<b>1,574</b>	3,427	31%	<b>20</b>
<b>21</b>	Legal Services (Young & Wooldridge)	55,000	12,617	-	<b>12,617</b>	42,383	23%	<b>21</b>
<b>22</b>	Program Manager/Facilitation Svcs (RGS)	175,000	75,672	-	<b>75,672</b>	99,328	43%	<b>22</b>
<b>23</b>	Annual Parcel Update (Provost & Pritchard)	3,500	1,870	-	<b>1,870</b>	1,631	53%	<b>23</b>
<b>24</b>								<b>24</b>
<b>25</b>	<b>Professional Services- Projects</b>							<b>25</b>
<b>26</b>	GSP Development - Prop. 1 /68 : GCGA Reimbursement	-	-	-	-	-	0%	<b>26</b>
<b>27</b>	GSP-Grant Application (Shared with Glenn County)	30,000	-	-	-	30,000	0%	<b>27</b>
<b>28</b>	GSP Annual Report ( Shared with Glenn County)	70,000	17,126	-	<b>17,126</b>	52,874	24%	<b>28</b>
<b>29</b>	GSP Technical Assistance:On-Call Support Svcs (Davids Engineering)	15,000	-	-	-	15,000	0%	<b>29</b>
<b>30</b>	GSP Subbasin GSP Revisions (Shared with Glenn County)	-	162,074	-	<b>162,074</b>	(162,074)	0%	<b>30</b>
<b>31</b>								<b>31</b>

# BUDGET TO ACTUAL REPORT- MARCH

		<b>ACTUALS BY REVENUE</b>					
	(A)	Restricted	Restricted	(B)	(A-B)	(B/A)	
	BUDGET	Prop. 218	Grants	\$	\$	%	
				ACTUAL	REMAINING	COMPLETED	
32	<b>EXPENSES (cont'd)</b>						32
33	<b>GSP Implementation Fund-SGMA (Grant Reimbursable)</b>						33
34	GSP Projects	-	-	-	-	0%	34
35	Five Year GSP Update w Modeling Calibrations	60,625	-	-	60,625	0%	35
36	Surface-GS Interaction Modeling (NCWA Approach)	10,000	-	-	10,000	0%	36
37	GSA Coordination & Outreach (w/in and between GSA's)	30,000	-	-	30,000	0%	37
38	Data Management System Upgrade & Maintenance	25,000	-	-	25,000	0%	38
39	GSP Project Implementation and Monitoring	100,000	-	-	100,000	0%	39
40							40
41	<b>Proposition 218 Collections Fee</b>						41
42	Prop. 218 Ops Fee Collections-Co	10,000	-	-	10,000	0%	42
43	Special Projects - Funding Mech: GSP Funding & Support (LSCE)	-	27,798	-	27,798	(27,798)	0%
44							44
45	<b>Other</b>						45
46	County of Butte GSA- Member Contribution	8,000	-	-	8,000	0%	46
47							47
48							48
49	<b>TOTAL EXPENSES</b>	627,975	298,749	-	298,749	329,226	48%
50							50
51	<b>Surplus (Deficit)</b>	-	(119,288)	-	(119,288)		51

The Budget to Actual Report reflects revenue and expenses associated with the 2023-2024 fiscal year. All revenues and expenses associated with FY22-23 will be reflected in a forthcoming year-end report. See the Cash Balance Report for available cash.

Expenses include all paid warrants only. See Cash Balance for current months paid and outstanding warrants.

## CASH BALANCE

### March 2024 Activity

<u>Cash Receipts</u>	
N/A	\$ -
	<u>-</u>
Total Cash Receipts	<u>\$ -</u>

<u>Cash Disbursements</u>	
January Warrants	\$ 39,848.39
	<u>-</u>
Total Cash Disbursements	<u>\$ 39,848.39</u>

### Cash Balance

Prior Month to Current Month Ending Balance Reconciliation

<u>February Cash Balance By Investment</u>	
Umqua Checking	\$ 373,078.28
Umqua Money Market	873,165.10
Umqua Savings	<u>33,003.69</u>
Total Cash Balance	<u>\$ 1,279,247.07</u>

<u>March Activity</u>	
Cash Receipts	\$ -
Cash Disbursements	(39,848.39)
Interest Earnings	8.24
Service Charge	<u>-</u>
Total Activity	\$ (39,840.15)

Ending Cash Balance	\$ 1,239,406.92
Less: Outstanding Warrants:	
Warrants - February Approved	(63,772.87)
Warrants - March Pending Approval	(176,453.88)
	<u>-</u>
Total Available Cash By Activity as of March 31	<u>\$ 999,180.17</u>

<u>March Cash Balance by Investment</u>	
Umqua Checking	\$ 333,229.89
Umqua Money Market	873,172.52
Umqua Savings	<u>33,004.51</u>
Total Balance	\$ 1,239,406.92
Less: Outstanding Warrants	<u>(240,226.75)</u>
Total Available Cash by Investment	<u>\$ 999,180.17</u>

*Outstanding Warrants are vendor invoices received and not yet paid or in transit.*

**CLAIMS SUMMARY**

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Invoice #	Invoice Date	Vendor	Service Period	Service	Check	ACH	Total
1173.04-6171	4/9/2024	Davids Engineering	March Services	GSP Revisions	145,857.00	-	145,857.00
16605	3/31/2024	Regional Government Services	March Services	Administration	10,137.39	-	10,137.39
#2	4/8/2024	Water Ecology LLC	March Services	GSP Revisions	9,000.00	-	9,000.00
1173.03-6170	4/9/2024	Davids Engineering	March Services	Annual Reports	7,033.75	-	7,033.75
Various	2/29/2024	Young & Wooldridge	March Services	Legal Services	4,425.74	-	4,425.74
					<u>                    </u>	<u>                    </u>	<u>                    </u>
APRIL WARRANT TOTAL					<u>\$ 176,453.88</u>	<u>\$ -</u>	<u>\$ 176,453.88</u>



**Invoice**

**DAVIDS ENGINEERING, INC.**  
**Tax ID#68-0346173**  
**1772 Picasso Avenue, Suite A**  
**Davis, CA 95618-0550**  
**530/757-6107 - phone**  
**530/757-6118 - fax**

April 09, 2024  
 Invoice No: 1173.04 - 6171

Carol Thomas-Keefer  
 Colusa Groundwater Authority  
 P.O. Box 475  
 Colusa, CA 95932

Project 1173.04 Colusa Groundwater Authority - Colusa Subbasin GSP Revisions  
Professional Services from March 01, 2024 to March 31, 2024

Task 02.00 Phase 2 Revisions  
 Sub-Task 02.01 Participate in Coordination Meetings with GSA Staff and Representatives

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Supervising Engineer				
Davids, Jeff	2.25	228.00	513.00	
Associate Engineer I				
Klug, Katherine	2.00	188.00	376.00	
Associate Project Assistant				
Clark, Cynthia	1.00	108.00	108.00	
<b>Totals</b>	<b>5.25</b>		<b>997.00</b>	
<b>Total Labor</b>				<b>997.00</b>

**Consultants**

West Yost Associates, Inc.				
3/31/2024	West Yost Associates, Inc.	Professional Services from	4,390.00	
		February 24, 2024 to March 29,		
		2024 - see attached		
	<b>Total Consultants</b>	<b>1.0 times</b>	<b>4,390.00</b>	<b>4,390.00</b>
		<b>Total this Sub-Task</b>		<b>\$5,387.00</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
Labor	997.00	0.00	997.00
Consultant	4,390.00	1,938.50	6,328.50
<b>Totals</b>	<b>5,387.00</b>	<b>1,938.50</b>	<b>7,325.50</b>

Sub-Task 02.02 Participate in Meetings with GSAs to Discuss Policy and Technical Alternatives

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
Senior Project Assistant			
Davids, Kristi	.25	120.00	30.00
Supervising Engineer			
Davids, Jeff	20.00	228.00	4,560.00

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171
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Associate Engineer I				
Klug, Katherine	22.00	188.00	4,136.00	
Totals	42.25		8,726.00	
<b>Total Labor</b>				<b>8,726.00</b>

**Consultants**

West Yost Associates, Inc.				
3/31/2024	West Yost Associates, Inc.	Professional Services from February 24, 2024 to March 29, 2024 - see attached	11,989.00	
	<b>Total Consultants</b>	<b>1.0 times</b>	<b>11,989.00</b>	<b>11,989.00</b>
		<b>Total this Sub-Task</b>		<b>\$20,715.00</b>

**Billings to Date**

	Current	Prior	Total
Labor	8,726.00	0.00	8,726.00
Consultant	11,989.00	4,155.50	16,144.50
<b>Totals</b>	<b>20,715.00</b>	<b>4,155.50</b>	<b>24,870.50</b>

Sub-Task 02.03 Participate in Meetings with DWR to Review Policy and Technical Approaches

**Professional Personnel**

	Hours	Rate	Amount
Supervising Engineer			
Davids, Jeff	11.75	228.00	2,679.00
Associate Engineer I			
Klug, Katherine	10.50	188.00	1,974.00
Totals	22.25		4,653.00
<b>Total Labor</b>			<b>4,653.00</b>

**Consultants**

West Yost Associates, Inc.				
3/31/2024	West Yost Associates, Inc.	Professional Services from February 24, 2024 to March 29, 2024 - see attached	5,394.50	
	<b>Total Consultants</b>	<b>1.0 times</b>	<b>5,394.50</b>	<b>5,394.50</b>
		<b>Total this Sub-Task</b>		<b>\$10,047.50</b>

**Billings to Date**

	Current	Prior	Total
Labor	4,653.00	0.00	4,653.00
Consultant	5,394.50	486.00	5,880.50
<b>Totals</b>	<b>10,047.50</b>	<b>486.00</b>	<b>10,533.50</b>

Sub-Task 02.04 Complete GSP Revisions

**Professional Personnel**

	Hours	Rate	Amount
Sr. Principal Engineer			
Davids, Grant	2.50	262.00	655.00
Principal Engineer			
Davids, John	1.75	249.00	435.75
Assistant Engineer II			
Winslow, Jacob	57.00	139.00	7,923.00

Project	1173.04	CGA - Colusa Subbasin GSP Revisions		Invoice	6171
Supervising Engineer					
Davids, Jeff		76.75	228.00	17,499.00	
Associate Engineer II					
Ertis, Brandon		7.00	199.00	1,393.00	
Associate Engineer I					
Klug, Katherine		71.25	188.00	13,395.00	
Intern I					
Mortensen, Devin		99.50	54.00	5,373.00	
Staff Project Assistant					
Schroeder, Cathy		8.00	94.00	752.00	
Totals		323.75		47,425.75	
<b>Total Labor</b>					<b>47,425.75</b>

**Consultants**

West Yost Associates, Inc.					
3/31/2024	West Yost Associates, Inc.	Professional Services from		62,281.75	
		February 24, 2024 to March 29,			
		2024 - see attached			
	<b>Total Consultants</b>	<b>1.0 times</b>	<b>62,281.75</b>	<b>62,281.75</b>	
		<b>Total this Sub-Task</b>			<b>\$109,707.50</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
Labor	47,425.75	2,032.75	49,458.50
Consultant	62,281.75	5,905.00	68,186.75
<b>Totals</b>	<b>109,707.50</b>	<b>7,937.75</b>	<b>117,645.25</b>

**Contract Amount**

	<b>Current</b>	<b>Prior</b>	<b>To-Date</b>
Total Billings	145,857.00	14,517.75	160,374.75
Contract Amount			185,658.00
Remaining			25,283.25
			<b>Total this Task</b>
			<b>\$145,857.00</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
Labor	61,801.75	2,032.75	63,834.50
Consultant	84,055.25	12,485.00	96,540.25
<b>Totals</b>	<b>145,857.00</b>	<b>14,517.75</b>	<b>160,374.75</b>
			<b>Total this Invoice</b>
			<b>\$145,857.00</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
Labor	61,801.75	49,482.75	111,284.50
Expense	0.00	64.32	64.32
Consultant	84,055.25	12,485.00	96,540.25
<b>Totals</b>	<b>145,857.00</b>	<b>62,032.07</b>	<b>207,889.07</b>

I certify that the above invoice is true and correct to the best of my knowledge.

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Project 1173.04 CGA - Colusa Subbasin GSP Revisions Invoice 6171

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Authorized By: \_\_\_\_\_



Date: 04/09/2024

# Billing Backup

Tuesday, April 9, 2024

Davids Engineering, Inc.

Invoice 6171 Dated 4/9/2024

12:54:31 PM

Project	1173.04	Colusa Groundwater Authority - Colusa Subbasin GSP Revisions		
Task	02.00	Phase 2 Revisions		
Sub-Task	02.01	Participate in Coordination Meetings with GSA Staff and Representatives		

**Professional Personnel**

	Hours	Rate	Amount	
Supervising Engineer				
Davids, Jeff	3/14/2024	2.25	228.00	513.00
CGA and GGA staff and chairs and counsel working session.				
Associate Engineer I				
Klug, Katherine	3/14/2024	1.50	188.00	282.00
meeting with GSA staff/counsel				
Klug, Katherine	3/28/2024	.50	188.00	94.00
coordination meeting with GSA staff and reps				
Associate Project Assistant				
Clark, Cynthia	3/7/2024	.50	108.00	54.00
Project Support, Accounting				
Clark, Cynthia	3/8/2024	.25	108.00	27.00
Project Support, Accounting				
Clark, Cynthia	3/29/2024	.25	108.00	27.00
Project Support, Accounting				
Totals	5.25			997.00
<b>Total Labor</b>				<b>997.00</b>

**Consultants**

West Yost Associates, Inc.				
AP 10339	3/31/2024	West Yost Associates, Inc. / Professional Services from February 24, 2024 to March 29, 2024 - see attached	4,390.00	
<b>Total Consultants</b>		<b>1.0 times</b>	<b>4,390.00</b>	<b>4,390.00</b>
		<b>Total this Sub-Task</b>		<b>\$5,387.00</b>

Sub-Task	02.02	Participate in Meetings with GSAs to Discuss Policy and Technical Alternatives		
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**Professional Personnel**

	Hours	Rate	Amount	
Senior Project Assistant				
Davids, Kristi	3/7/2024	.25	120.00	30.00
project support, accounting				
Supervising Engineer				
Davids, Jeff	3/1/2024	1.00	228.00	228.00
Review and suggested edits to agenda for coming TAC meeting. Various coordination activities for GSP revisions with project team.				
Davids, Jeff	3/7/2024	4.25	228.00	969.00
Preparations for analyses, well impacts, and presentation materials for groundwater level SMC revisions. Coordination with WY team and K. Klug.				

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171	
Davids, Jeff		3/18/2024	2.50	228.00	570.00
		Preparing for upcoming Joint Board meeting on 03/22/2023 including agenda and content.			
Davids, Jeff		3/19/2024	2.50	228.00	570.00
		Preparing for upcoming Joint Board meeting on 03/22/2023 including agenda and content.			
Davids, Jeff		3/21/2024	2.00	228.00	456.00
		Working session with technical team and GSA staff preparing for Joint Board meeting.			
Davids, Jeff		3/22/2024	7.75	228.00	1,767.00
		Preparation for and participation in Joint CGA/GGA Board meeting to make critical decisions for GSP revisions.			
		Associate Engineer I			
Klug, Katherine		3/1/2024	1.75	188.00	329.00
		meeting with RD108 to review hydrographs, MT revisions for non-focus wells			
Klug, Katherine		3/4/2024	1.25	188.00	235.00
		preparing ppt and materials for 03/08 Joint TAC meeting			
Klug, Katherine		3/5/2024	1.50	188.00	282.00
		preparing ppt and materials for 03/08 Joint TAC meeting			
Klug, Katherine		3/7/2024	2.25	188.00	423.00
		updating ppt and materials for 03/08 Joint TAC meeting			
Klug, Katherine		3/8/2024	4.75	188.00	893.00
		updating ppt and materials for 03/08 Joint TAC meeting; participating in Joint TAC meeting			
Klug, Katherine		3/19/2024	1.75	188.00	329.00
		Joint Board meeting powerpoint preparation, revisions			
Klug, Katherine		3/20/2024	2.00	188.00	376.00
		Joint Board meeting powerpoint preparation, revisions			
Klug, Katherine		3/21/2024	1.50	188.00	282.00
		Joint Board meeting powerpoint preparation, revisions			
Klug, Katherine		3/22/2024	5.25	188.00	987.00
		Joint Board meeting prep and participation			
		Totals	42.25		8,726.00
		<b>Total Labor</b>			<b>8,726.00</b>
<b>Consultants</b>					
West Yost Associates, Inc.					
AP 10339	3/31/2024	West Yost Associates, Inc. / Professional Services from February 24, 2024 to March 29, 2024 - see attached		11,989.00	
		<b>Total Consultants</b>	<b>1.0 times</b>	<b>11,989.00</b>	<b>11,989.00</b>
			<b>Total this Sub-Task</b>		<b>\$20,715.00</b>

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Sub-Task 02.03 Participate in Meetings with DWR to Review Policy and Technical Approaches

**Professional Personnel**

		Hours	Rate	Amount
Supervising Engineer				
Davids, Jeff	3/12/2024	1.50	228.00	342.00
	Reviewing content and materials for DWR.			
Davids, Jeff	3/14/2024	2.50	228.00	570.00
	Preparation for and facilitation of DWR consultation meetings regarding GSP revisions.			

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171		
Davids, Jeff		3/18/2024	1.50	228.00	342.00	
		Preparing for upcoming DWR meeting #5 on 03/25/2023 including agenda and content.				
Davids, Jeff		3/19/2024	1.25	228.00	285.00	
		Preparing for upcoming DWR meeting #5 on 03/25/2023 including agenda and content.				
Davids, Jeff		3/22/2024	1.25	228.00	285.00	
		Preparations for Monday DWR meeting #5.				
Davids, Jeff		3/25/2024	3.75	228.00	855.00	
		Preparation discussions with K. Klug and WY team, facilitation of discussions with DWR regarding subsidence, groundwater levels, and demand management.				
		Associate Engineer I				
Klug, Katherine		3/12/2024	4.00	188.00	752.00	
		preparing agenda and ppt content to share with DWR for 03/14 meeting				
Klug, Katherine		3/14/2024	3.25	188.00	611.00	
		preparation for, participation in, and followup for meeting with DWR				
Klug, Katherine		3/25/2024	3.25	188.00	611.00	
		preparing for, participating in, and followup regarding DWR meeting #5				
		Totals	22.25		4,653.00	
		<b>Total Labor</b>				<b>4,653.00</b>
<b>Consultants</b>						
West Yost Associates, Inc.						
AP 10339	3/31/2024	West Yost Associates, Inc. / Professional Services from February 24, 2024 to March 29, 2024 - see attached			5,394.50	
		<b>Total Consultants</b>	1.0 times		<b>5,394.50</b>	<b>5,394.50</b>
			<b>Total this Sub-Task</b>			<b>\$10,047.50</b>
<hr/>						
Sub-Task	02.04	Complete GSP Revisions				
<b>Professional Personnel</b>						
			<b>Hours</b>	<b>Rate</b>		<b>Amount</b>
		Sr. Principal Engineer				
Davids, Grant		3/17/2024	2.25	262.00	589.50	
		Prepare for and participate in conference call to discuss responses to DWR GSP revision comments.				
Davids, Grant		3/28/2024	.25	262.00	65.50	
		Discuss GSP revisions with Jeff Davids				
		Principal Engineer				
Davids, John		3/17/2024	1.50	249.00	373.50	
		meeting w/ JCD and GGD re subsidence and GWL SMC as it relates to the Colusa Revised GSP				
Davids, John		3/26/2024	.25	249.00	62.25	
		project status discussion with JCD				
		Assistant Engineer II				
Winslow, Jacob		3/5/2024	4.00	139.00	556.00	
		Updating hydrograph script.				
Winslow, Jacob		3/7/2024	4.25	139.00	590.75	
		Updating hydrograph script.				
Winslow, Jacob		3/8/2024	3.75	139.00	521.25	
		Adjusting Hydrograph script.				

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171
Winslow, Jacob	3/18/2024	5.25 139.00	729.75	Updating hydrographs and storage change. Meeting with J. Davids discussing project work.
Winslow, Jacob	3/19/2024	5.25 139.00	729.75	Editing hydrograph script.
Winslow, Jacob	3/20/2024	5.00 139.00	695.00	Writing subsidence calculation script. Updating hydrographs script.
Winslow, Jacob	3/21/2024	11.50 139.00	1,598.50	Writing subsidence calculation script. Updating hydrograph script.
Winslow, Jacob	3/22/2024	2.00 139.00	278.00	Updating subsidence script.
Winslow, Jacob	3/25/2024	6.25 139.00	868.75	DWR call. Updating hydrograph script.
Winslow, Jacob	3/26/2024	4.75 139.00	660.25	Updating SMC shapefile. Creating column mapping. Editing hydrographs.
Winslow, Jacob	3/28/2024	5.00 139.00	695.00	Working on subsidence calculation script. Supervising Engineer
Davids, Jeff	3/1/2024	2.75 228.00	627.00	Preparing for and facilitating discussion with RD108 regarding groundwater level SMC revisions. Reviewing LTO and VAs and data from RD108 groundwater pumping programs.
Davids, Jeff	3/4/2024	2.25 228.00	513.00	Well impacts study review of well depth distribution plots. Coordination on next draft of management action formal agreements for demand management and domestic well mitigation. Reviewing well completion report and other DWR data related to well impacts and vulnerability available online.
Davids, Jeff	3/5/2024	2.00 228.00	456.00	Follow up correspondence with RD108 and coordination with K. Klug on GSP revisions. Working on well impacts analysis with D. Mortensen.
Davids, Jeff	3/6/2024	3.25 228.00	741.00	Working on well impacts analysis with D. Mortensen. Review of subsidence data and reviewing relationship between water supplies and subsidence.
Davids, Jeff	3/7/2024	7.25 228.00	1,653.00	Working on technical analyses of well impacts with D. Mortensen. Reviewing results, develop presentation materials for TAC.
Davids, Jeff	3/9/2024	2.00 228.00	456.00	Reviewing comments from counsel and GSA staff regarding proposed domestic well mitigation and demand management.
Davids, Jeff	3/11/2024	6.75 228.00	1,539.00	Analyzing subsidence rate data and groundwater level trends, determining relationships between subsidence rates and groundwater level change rates. Correspondence with WY team. Working session with WY and DE teams. Drafting executive summary outline for GSP revisions and schedule. Correspondence with K. Klug and T. Bettner.
Davids, Jeff	3/12/2024	4.25 228.00	969.00	Ongoing analyses of subsidence and groundwater levels. Downloading InSAR data and developing processing scripting for extracting subsidence rate data. Review of well impacts analysis.
Davids, Jeff	3/14/2024	2.00 228.00	456.00	GSP revision work



Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171
Davids, Jeff	3/15/2024	2.00 228.00	456.00	Working with K. Klug, D. Mortensen, WY team, T. Bettner, and CGA/GGA teams for GSP revisions. Impacts to wells, subsidence, GWL SMCs, etc.
Davids, Jeff	3/16/2024	2.00 228.00	456.00	Working with K. Klug on GSP revisions, schedule, cover letter, etc. Working with K. Klug, D. Mortensen, WY team, T. Bettner, and CGA/GGA teams for GSP revisions. Impacts to wells, subsidence, GWL SMCs, etc.
Davids, Jeff	3/17/2024	1.75 228.00	399.00	Call with J.B. Davids and G. Davids to discuss GSP revisions as it relates to subsidence and groundwater level SMCs.
Davids, Jeff	3/18/2024	3.00 228.00	684.00	Working with K. Klug, D. Mortensen, WY team, T. Bettner, and CGA/GGA teams for GSP revisions. Impacts to wells, subsidence, GWL SMCs, etc.
Davids, Jeff	3/19/2024	4.00 228.00	912.00	Working with K. Klug, D. Mortensen, WY team, T. Bettner, and CGA/GGA teams for GSP revisions. Impacts to wells, subsidence, GWL SMCs, etc.
Davids, Jeff	3/21/2024	2.25 228.00	513.00	Analysis of subsidence data, revisions of domestic well impacts, updates to PowerPoint.
Davids, Jeff	3/22/2024	1.50 228.00	342.00	Analyzing subsidence data and developing visualizations for distribution of subsidence rates from 2016 to 2023.
Davids, Jeff	3/23/2024	1.50 228.00	342.00	Working on organizational structure, funding requirements, and workplan.
Davids, Jeff	3/25/2024	2.75 228.00	627.00	Working with K. Klug, J. Winslow, D. Mortensen, and WY team on GSP revisions and updates to GSP document.
Davids, Jeff	3/26/2024	3.25 228.00	741.00	Conversation with TCCA regarding subsidence, drafting update regarding subsidence approach to GSAs, revisions to GSP sections, coordination with neighboring subbasins on SMCs for groundwater levels.
Davids, Jeff	3/27/2024	1.75 228.00	399.00	Working on well impacts technical memo with D. Mortensen, reviewing draft materials with K. Klug.
Davids, Jeff	3/28/2024	3.75 228.00	855.00	Working on well impacts technical memo with D. Mortensen, reviewing draft materials with K. Klug.
Davids, Jeff	3/29/2024	3.00 228.00	684.00	Working on reviewing GSP revisions materials and preparing for release of draft materials.
Davids, Jeff	3/30/2024	10.00 228.00	2,280.00	Reviewing sections 4.3.6 and 4.3.7 on demand management and domestic well mitigation, respectively. Incorporating West Yost analyses on domestic well mitigation costs into domestic well impacts technical memo. reviewing subsidence language. Updates to cover letter. Finalizing domestic well mitigation costs.
Davids, Jeff	3/31/2024	1.75 228.00	399.00	Reviewing SMC sections of Revised GSP.
Associate Engineer II				
Ertis, Brandon	3/26/2024	.50 199.00	99.50	Coordination and Planning with D. Mortenson on Well Impacts TM
Ertis, Brandon	3/28/2024	4.00 199.00	796.00	Review and Revision of Well Impacts TM

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171	
Ertis, Brandon		3/29/2024	2.50	199.00	497.50
		Review and Revision of Well Impacts TM and Internal Coordination on Finalizing			
		Associate Engineer I			
Klug, Katherine		3/4/2024	1.50	188.00	282.00
		coordinating with DE on GWL SMC edits; check-in with WY on subsidence edits			
Klug, Katherine		3/5/2024	3.50	188.00	658.00
		coordinating with DE team on GWL SMC edits, content for presentation to Joint TAC			
Klug, Katherine		3/6/2024	.50	188.00	94.00
		coordinating with DE team on GWL SMC edits			
Klug, Katherine		3/8/2024	2.00	188.00	376.00
		reaching out to TCCA, City of Orland regarding GSP revisions process; coordinating with DE team on GWL SMC edits			
Klug, Katherine		3/11/2024	1.25	188.00	235.00
		coord meeting with WY to review SMC revisions; compiling and reviewing agreement comments and summary of GSP revisions process			
Klug, Katherine		3/12/2024	2.75	188.00	517.00
		assembling management action agreement documents and sharing with GSAs; document preparation with C. Schroeder			
Klug, Katherine		3/13/2024	6.00	188.00	1,128.00
		Colusa GSP revisions document preparation			
Klug, Katherine		3/14/2024	3.50	188.00	658.00
		Colusa GSP revisions document preparation, cover letter and timeline preparation			
Klug, Katherine		3/18/2024	5.75	188.00	1,081.00
		drafting GSP cover letter; coordination meeting with WY; coordinating GSP revisions (SMC, dry well impacts)			
Klug, Katherine		3/19/2024	4.75	188.00	893.00
		review and GSP text revisions for well impacts analysis; general GSP text edits			
Klug, Katherine		3/20/2024	3.00	188.00	564.00
		GSP text edits, meeting with City of Colusa and RD108 regarding infrastructure sensitivity			
Klug, Katherine		3/21/2024	5.50	188.00	1,034.00
		GSP text edits related to PMAs, SMC revisions			
Klug, Katherine		3/25/2024	3.75	188.00	705.00
		Colusa GSP revisions coordination; DE meeting, WY meeting; GSP text revisions			
Klug, Katherine		3/26/2024	3.50	188.00	658.00
		GSP text edits related to PMAs, SMC revisions			
Klug, Katherine		3/27/2024	.25	188.00	47.00
		coordinating GSP text revisions			
Klug, Katherine		3/28/2024	7.00	188.00	1,316.00
		GSP text edits related to PMAs, SMC revisions			
Klug, Katherine		3/29/2024	8.25	188.00	1,551.00
		GSP text edits related to PMAs, SMC revisions			
Klug, Katherine		3/30/2024	6.50	188.00	1,222.00
		GSP text edits related to PMAs, SMC revisions; incorporating WY edits			
Klug, Katherine		3/31/2024	2.00	188.00	376.00
		GSP text edits related to PMAs, SMC revisions; incorporating WY edits			

Project	1173.04	CGA - Colusa Subbasin GSP Revisions		Invoice	6171
Intern I					
Mortensen, Devin	3/1/2024	7.25	54.00		391.50
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/4/2024	4.25	54.00		229.50
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/5/2024	.50	54.00		27.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/6/2024	6.25	54.00		337.50
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/7/2024	5.00	54.00		270.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/8/2024	7.25	54.00		391.50
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/11/2024	3.00	54.00		162.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/12/2024	5.50	54.00		297.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/13/2024	.50	54.00		27.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/14/2024	6.50	54.00		351.00
Analysis of Impact of Minimum Threshold Scenarios on Wells, and consultation meeting with DWR on GSP revisions					
Mortensen, Devin	3/15/2024	4.50	54.00		243.00
Analysis of Impact of Minimum Threshold Scenarios on Wells					
Mortensen, Devin	3/18/2024	8.25	54.00		445.50
Colusa GSP Revisions WY/DE Coordination Meeting. Analysis of WSE decline for focus areas to determine IM 2027. Analysis of impact of MTs on wells.					
Mortensen, Devin	3/19/2024	4.25	54.00		229.50
Analysis of IM 2027 and MTs impacts on wells					
Mortensen, Devin	3/20/2024	2.75	54.00		148.50
Development of maps showing impacts of IM 2027 and MTs on domestic wells					
Mortensen, Devin	3/21/2024	7.00	54.00		378.00
Development of maps showing impacts of IM 2027 and MTs on domestic wells					
Mortensen, Devin	3/22/2024	3.50	54.00		189.00
CGA/GGA Special Board Meeting					
Mortensen, Devin	3/25/2024	2.00	54.00		108.00
Writing TM about the analysis of domestic well impacts at revised SMC					
Mortensen, Devin	3/26/2024	6.00	54.00		324.00
Writing TM about the analysis of domestic well impacts at revised SMC and coordination meeting on TM					
Mortensen, Devin	3/27/2024	5.25	54.00		283.50
Writing TM about the analysis of domestic well impacts at revised SMC					
Mortensen, Devin	3/28/2024	4.25	54.00		229.50
Writing TM about the analysis of domestic well impacts at revised SMC					
Mortensen, Devin	3/29/2024	5.75	54.00		310.50
Revision of TM after peer review					
Staff Project Assistant					
Schroeder, Cathy	3/12/2024	1.00	94.00		94.00

Project	1173.04	CGA - Colusa Subbasin GSP Revisions	Invoice	6171
		Format document		
Schroeder, Cathy		3/13/2024	3.00	94.00
		Update appendices and combine chapters into one work doc		282.00
Schroeder, Cathy		3/14/2024	2.00	94.00
		Combine chapters into one word doc		188.00
Schroeder, Cathy		3/19/2024	2.00	94.00
		Update Matrix deficiencies table		188.00
		Totals	323.75	47,425.75
		<b>Total Labor</b>		<b>47,425.75</b>
<b>Consultants</b>				
West Yost Associates, Inc.				
AP 10339	3/31/2024	West Yost Associates, Inc. / Professional Services from February 24, 2024 to March 29, 2024 - see attached		62,281.75
		<b>Total Consultants</b>	<b>1.0 times</b>	<b>62,281.75</b>
			<b>Total this Sub-Task</b>	<b>\$109,707.50</b>
			<b>Total this Task</b>	<b>\$145,857.00</b>
			<b>Total this Project</b>	<b>\$145,857.00</b>
			<b>Total this Report</b>	<b>\$145,857.00</b>



Remit Payment To:  
 PO Box 2158  
 Davis, CA 95617

March 29, 2024

Invoice Number: 2057760

Jeff Davids	Client Project:	Project# 1173.04.02
Supervising Engineer	WY Project No:	277-80-24-15
Davids Engineering, Inc.	Contract Amount:	97,748.00
1772 Picasso Avenue., Suite A	Job Name:	Hydrogeologic Support Services
Davis, CA 95618		

**Professional Services from February 24, 2024 to March 29, 2024**

<b>Previously Billed :</b>	<b>12,485.00</b>
<b>Total This Period :</b>	<b>84,055.25</b>
<b>Total Amount Billed to Date including This Invoice :</b>	<b>96,540.25</b>
<b>Amount Remaining in Contract :</b>	<b>1,207.75</b>

Task 001 Coordination Meetings with GSA Staff and Representatives

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Eng/Scientist/Geologist II	2.50	322.00	805.00	
Senior Engineer/Scientist/Geologist I	8.00	272.00	2,176.00	
Associate Eng/Scientist/Geologist II	5.00	243.00	1,215.00	
Administrative I	2.00	97.00	194.00	
Totals	17.50		4,390.00	
<b>Total Labor</b>				<b>4,390.00</b>
		<b>Total this Task</b>		<b>\$4,390.00</b>

Task 002 Meetings with GSA

**Professional Personnel**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Eng/Scientist/Geologist II	23.50	322.00	7,567.00	
Senior Engineer/Scientist/Geologist I	3.75	272.00	1,020.00	
Associate Eng/Scientist/Geologist II	14.00	243.00	3,402.00	
Totals	41.25		11,989.00	
<b>Total Labor</b>				<b>11,989.00</b>
		<b>Total this Task</b>		<b>\$11,989.00</b>

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Project	277-80-24-15	Hydrogeologic Support Services	Invoice	2057760
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Task	003	Meetings with DWR
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**Professional Personnel**

	Hours	Rate	Amount
Principal Eng/Scientist/Geologist II	12.00	322.00	3,864.00
Senior Engineer/Scientist/Geologist I	2.50	272.00	680.00
Associate Eng/Scientist/Geologist II	3.50	243.00	850.50
Totals	18.00		5,394.50
<b>Total Labor</b>			<b>5,394.50</b>
		<b>Total this Task</b>	<b>\$5,394.50</b>

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Task	041	PMA Revisions
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**Professional Personnel**

	Hours	Rate	Amount
Senior Engineer/Scientist/Geologist II	28.00	286.00	8,008.00
Senior Engineer/Scientist/Geologist I	3.00	272.00	816.00
Associate Eng/Scientist/Geologist II	7.00	243.00	1,701.00
Administrative IV	.25	160.00	40.00
Totals	38.25		10,565.00
<b>Total Labor</b>			<b>10,565.00</b>
		<b>Total this Task</b>	<b>\$10,565.00</b>

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Task	043	GWL SMC Revisions
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**Professional Personnel**

	Hours	Rate	Amount
Principal Eng/Scientist/Geologist II	5.00	322.00	1,610.00
Senior Engineer/Scientist/Geologist I	5.00	272.00	1,360.00
Associate Eng/Scientist/Geologist II	1.00	243.00	243.00
Totals	11.00		3,213.00
<b>Total Labor</b>			<b>3,213.00</b>
		<b>Total this Task</b>	<b>\$3,213.00</b>

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Task	044	Subsidence SMC Revisions
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**Professional Personnel**

	Hours	Rate	Amount
Principal Eng/Scientist/Geologist II	43.00	322.00	13,846.00
Senior Engineer/Scientist/Geologist II	2.00	286.00	572.00
Senior Engineer/Scientist/Geologist I	8.00	272.00	2,176.00
Associate Eng/Scientist/Geologist II	102.00	243.00	24,786.00
Engineer/Scientist/Geologist II	34.75	205.00	7,123.75
Totals	189.75		48,503.75
<b>Total Labor</b>			<b>48,503.75</b>
		<b>Total this Task</b>	<b>\$48,503.75</b>
		<b>Total this Invoice</b>	<b>\$84,055.25</b>

**Description of Services:**

Task 001 - Prepared for and attended internal coordination meetings with Davids Engineering Staff and GSA staff/representatives.

Task 002 - Prepared for and attended GSA meetings.

Task 003 - Prepared for and attended DWR meetings.

Task 041 - Worked on PMA revisions for draft GSP document.

Task 043 - Worked on GWL SMC revisions that included contacting W&C to follow up on well completion report database, evaluated hydrographs, domestic well mitigation cost estimates, review dataset, and GSP revisions.

Task 044 - Worked on GWL SMC revisions that included evaluating InSAR results and documentation and review of datasets, and GSP revisions.

Task	Task Description	Budget Amount	Current Invoice	Total Invoiced To Date	Budget Remaining
001	Coordination Meetings with GSA Staff and	8,370.00	4,390.00	6,328.50	2,041.50
002	Meetings with GSA	20,088.00	11,989.00	16,144.50	3,943.50
003	Meetings with DWR	5,022.00	5,394.50	5,880.50	-858.50
041	PMA Revisions	11,016.00	10,565.00	10,565.00	451.00
042	Support Revisions to Overdraft Estimates	0.00	0.00	0.00	0.00
043	GWL SMC Revisions	22,572.00	3,213.00	6,533.00	16,039.00
044	Subsidence SMC Revisions	30,680.00	48,503.75	51,088.75	-20,408.75
WYA	West Yost Tracking Only	0.00	0.00	0.00	0.00
<b>TOTAL</b>		<b>97,748.00</b>	<b>84,055.25</b>	<b>96,540.25</b>	<b>1,207.75</b>

Please direct questions to:

Project Manager      Erik Cadaret  
Principal                Samantha Adams *SSA*



# Billing Backup

Thursday, April 4, 2024

West Yost Associates, Inc.

Invoice 2057760 Dated 3/29/2024

4:40:45 PM

Task 001 Coordination Meetings with GSA Staff and Representatives

**Professional Personnel**

			Hours	Rate	Amount
Principal Eng/Scientist/Geologist II					
25 - Loy, Ken	3/21/2024		2.00	322.00	644.00
	Participated in coordination meeting with GSA staff.				
25 - Loy, Ken	3/28/2024		.50	322.00	161.00
	Participated in biweekly call.				
Senior Engineer/Scientist/Geologist I					
35 - Cadaret, Erik	2/26/2024		1.00	272.00	272.00
	Check in meeting with Davids Engineering and team				
35 - Cadaret, Erik	2/29/2024		1.00	272.00	272.00
	Attended Colusa GSP coordination call				
35 - Cadaret, Erik	3/4/2024		1.00	272.00	272.00
	Attended Colusa internal coordination meeting				
35 - Cadaret, Erik	3/5/2024		.25	272.00	68.00
	Check in on tasks with Ken and Anna				
35 - Cadaret, Erik	3/7/2024		1.00	272.00	272.00
	Attended Colusa internal coordination meeting				
35 - Cadaret, Erik	3/11/2024		1.00	272.00	272.00
	Attended check in meeting with team				
35 - Cadaret, Erik	3/21/2024		.75	272.00	204.00
	Join board meeting planning meeting				
35 - Cadaret, Erik	3/22/2024		2.00	272.00	544.00
	Attended special join board meeting				
Associate Eng/Scientist/Geologist II					
40 - Reimer, Anna	3/4/2024		1.00	243.00	243.00
	Weekly progress meeting with DE.				
40 - Reimer, Anna	3/14/2024		2.00	243.00	486.00
	Biweekly meeting with GSAs.				
40 - Reimer, Anna	3/18/2024		1.00	243.00	243.00
	Weekly meeting with DE.				
40 - Reimer, Anna	3/28/2024		1.00	243.00	243.00
	Biweekly meeting with GSAs.				
Administrative I					
140 - Gerhard, Holly	3/12/2024		2.00	97.00	194.00
	Graphic for Presentation				
	Totals		17.50		4,390.00
	<b>Total Labor</b>				<b>4,390.00</b>
				<b>Total this Task</b>	<b>\$4,390.00</b>

Task 002 Meetings with GSA

**Professional Personnel**

			Hours	Rate	Amount
Principal Eng/Scientist/Geologist II					
25 - Loy, Ken	3/5/2024		1.50	322.00	483.00
	Reviewed draft slides to be used in joint TAC meeting on 3/8/2024.				
25 - Loy, Ken	3/7/2024		4.00	322.00	1,288.00
	Prepared for Joint TAC meeting.				
25 - Loy, Ken	3/8/2024		6.00	322.00	1,932.00
	Prepared for and participated in Joint TAC meeting.				
25 - Loy, Ken	3/19/2024		3.00	322.00	966.00
	Prepared for joint GSA Board meeting.				
25 - Loy, Ken	3/20/2024		1.00	322.00	322.00
	Prepared for joint GSA Board meeting.				
25 - Loy, Ken	3/21/2024		2.00	322.00	644.00
	Prepared for joint GSA Board meeting.				
25 - Loy, Ken	3/22/2024		6.00	322.00	1,932.00
	Prepared for and attended joint GSA meeting.				
Senior Engineer/Scientist/Geologist I					
35 - Cadaret, Erik	3/8/2024		3.50	272.00	952.00
	Attended Join TAC meeting				
35 - Cadaret, Erik	3/14/2024		.25	272.00	68.00
	Attended part of meeting with GSA				
Associate Eng/Scientist/Geologist II					
40 - Reimer, Anna	2/29/2024		2.00	243.00	486.00
	Biweekly meeting with GSA staff.				
40 - Reimer, Anna	3/7/2024		2.00	243.00	486.00
	Prep for Joint TAC meeting.				
40 - Reimer, Anna	3/8/2024		4.00	243.00	972.00
	Prep and attendance at Joing TAC meeting.				
40 - Reimer, Anna	3/21/2024		2.00	243.00	486.00
	Preparation for Joint Board Meeting.				
40 - Reimer, Anna	3/22/2024		4.00	243.00	972.00
	Joint Board Meeting.				
	Totals		41.25		11,989.00
	<b>Total Labor</b>				<b>11,989.00</b>
				<b>Total this Task</b>	<b>\$11,989.00</b>

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 Task 003 Meetings with DWR

**Professional Personnel**

			Hours	Rate	Amount
Principal Eng/Scientist/Geologist II					
25 - Loy, Ken	3/14/2024		2.00	322.00	644.00
	Participated in DWR Consultation Meeting #4.				
25 - Loy, Ken	3/14/2024		4.00	322.00	1,288.00
	Prepared for DWR Consultation Meeting #4. Began evaluating oil & gas infrastructure.				

Project	277-80-24-15	Hydrogeologic Support Services		Invoice	2057760
25 - Loy, Ken		3/21/2024	2.00	322.00	644.00
		Prepared for DWR Consultation Meeting #4.			
25 - Loy, Ken		3/25/2024	4.00	322.00	1,288.00
		Prepared for and participated in DWR consultation meeting.			
Senior Engineer/Scientist/Geologist I					
35 - Cadaret, Erik		3/14/2024	1.50	272.00	408.00
		Attended DWR consultation meeting			
35 - Cadaret, Erik		3/25/2024	1.00	272.00	272.00
		Attended DWR meeting			
Associate Eng/Scientist/Geologist II					
40 - Reimer, Anna		3/14/2024	2.00	243.00	486.00
		DWR consultation meeting #4.			
40 - Reimer, Anna		3/25/2024	1.50	243.00	364.50
		DWR Consultation No. 5.			
		Totals	18.00		5,394.50
		<b>Total Labor</b>			<b>5,394.50</b>
				<b>Total this Task</b>	<b>\$5,394.50</b>

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Task	041	PMA Revisions			
<b>Professional Personnel</b>					
			<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
Senior Engineer/Scientist/Geologist II					
30 - Dellavalle, Pete		3/5/2024	4.00	286.00	1,144.00
		Estimates of potential measures			
30 - Dellavalle, Pete		3/6/2024	5.00	286.00	1,430.00
		Estimates of potential measures			
30 - Dellavalle, Pete		3/7/2024	4.00	286.00	1,144.00
		Estimates of potential measures			
30 - Dellavalle, Pete		3/13/2024	1.00	286.00	286.00
		MA cost estimates			
30 - Dellavalle, Pete		3/14/2024	2.00	286.00	572.00
		Oil & Gas Infrastructure Map			
30 - Dellavalle, Pete		3/19/2024	2.00	286.00	572.00
		Map wells and Cost estimates			
30 - Dellavalle, Pete		3/20/2024	3.00	286.00	858.00
		Oil & Gas subsidence map, Map water wells and Cost estimates			
30 - Dellavalle, Pete		3/21/2024	2.00	286.00	572.00
		Cost estimates			
30 - Dellavalle, Pete		3/22/2024	1.00	286.00	286.00
		Cost estimates			
30 - Dellavalle, Pete		3/27/2024	2.00	286.00	572.00
		Estimates narative descriptions			
30 - Dellavalle, Pete		3/28/2024	2.00	286.00	572.00
		gas pipeline ownership research			
Senior Engineer/Scientist/Geologist I					
35 - Cadaret, Erik		3/5/2024	.50	272.00	136.00
		Discussed domestic well mitigation program task with Pete			

Project	277-80-24-15	Hydrogeologic Support Services		Invoice	2057760
35 - Cadaret, Erik		3/6/2024	.50	272.00	136.00
		Reviewed progress on domestic well mitigation program task with Pete			
35 - Cadaret, Erik		3/20/2024	2.00	272.00	544.00
		Domestic well mitigation program check in calls with Pete			
Associate Eng/Scientist/Geologist II					
40 - Reimer, Anna		2/26/2024	1.00	243.00	243.00
		Meeting with DE to discuss PMAs and GWL SMCs.			
40 - Reimer, Anna		3/29/2024	1.00	243.00	243.00
		Revise PMA and GSP Study chapters.			
40 - Reimer, Anna		3/29/2024	5.00	243.00	1,215.00
		Revise GSP.			
Administrative IV					
125 - Encelan, Christine		3/29/2024	.25	160.00	40.00
		Ken - format Chapter 5			
		Totals	38.25		10,565.00
		<b>Total Labor</b>			<b>10,565.00</b>
				<b>Total this Task</b>	<b>\$10,565.00</b>

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Task	043	GWL SMC Revisions			
<b>Professional Personnel</b>					
			<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
Principal Eng/Scientist/Geologist II					
25 - Loy, Ken		2/26/2024	3.00	322.00	966.00
		Participated in coordination meeting with DE staff. Assessed groundwater level RMN and MTs.			
25 - Loy, Ken		2/29/2024	2.00	322.00	644.00
		Participated in biweekly meeting with GSAs and DE team meeting to work on GWL and LS SMCs. Prepared for joint TAC meeting.			
Senior Engineer/Scientist/Geologist I					
35 - Cadaret, Erik		3/25/2024	1.00	272.00	272.00
		Worked on Colusa GSP revision efforts			
35 - Cadaret, Erik		3/26/2024	2.00	272.00	544.00
		Worked on Colusa GSP revision efforts			
35 - Cadaret, Erik		3/27/2024	2.00	272.00	544.00
		Worked on Colusa GSP revision efforts			
Associate Eng/Scientist/Geologist II					
40 - Reimer, Anna		2/29/2024	1.00	243.00	243.00
		Meeting with DE to discuss GWL SMCs and LSE SMCs.			
		Totals	11.00		3,213.00
		<b>Total Labor</b>			<b>3,213.00</b>
				<b>Total this Task</b>	<b>\$3,213.00</b>

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Task	044	Subsidence SMC Revisions			
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Project	277-80-24-15	Hydrogeologic Support Services	Invoice	2057760
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**Professional Personnel**

		Hours	Rate	Amount
Principal Eng/Scientist/Geologist II				
25 - Loy, Ken	3/4/2024	1.00	322.00	322.00
	Assessed InSAR records for Colusa Basin.			
25 - Loy, Ken	3/8/2024	2.00	322.00	644.00
	Evaluated critical infrastructure.			
25 - Loy, Ken	3/11/2024	2.00	322.00	644.00
	Participated in Team call. Assessed infrastructure.			
25 - Loy, Ken	3/12/2024	4.00	322.00	1,288.00
	Developed LS SMCs. Prepared for DWR meeting.			
25 - Loy, Ken	3/13/2024	4.00	322.00	1,288.00
	Developed LS SMCs. Prepared for DWR meeting.			
25 - Loy, Ken	3/15/2024	2.00	322.00	644.00
	Revised Is SMCs.			
25 - Loy, Ken	3/18/2024	2.00	322.00	644.00
	Participated in team meeting. Developed LS SMCs.			
25 - Loy, Ken	3/20/2024	2.00	322.00	644.00
	Conducted and documented interviews regarding critical infrastructure and potential land subsidence impacts.			
25 - Loy, Ken	3/25/2024	1.00	322.00	322.00
	Developed SMCs.			
25 - Loy, Ken	3/26/2024	6.00	322.00	1,932.00
	Updated basin setting section discussion of land subsidence.			
25 - Loy, Ken	3/27/2024	6.00	322.00	1,932.00
	Revised LS sections of GSP.			
25 - Loy, Ken	3/28/2024	5.00	322.00	1,610.00
	Revised Chapter 5 LS sections.			
25 - Loy, Ken	3/29/2024	6.00	322.00	1,932.00
	Revised Chapter 5 LS sections.			
Senior Engineer/Scientist/Geologist II				
30 - Yarborough, Sean	3/14/2024	2.00	286.00	572.00
	InSAR theory and applicability			
Senior Engineer/Scientist/Geologist I				
35 - Cadaret, Erik	3/18/2024	4.00	272.00	1,088.00
	Reached out to Colusa agencies on subsidence related data and domestic well mitigation program data; Discussion with City of Orland; Discussion with Orland Water Users Association; Discussion with County of Glenn			
35 - Cadaret, Erik	3/19/2024	2.00	272.00	544.00
	Discussion with City of Williams; catching up on subsidence reading prepared by Alice			
35 - Cadaret, Erik	3/20/2024	2.00	272.00	544.00
	Discussions with City of Colusa and RD 108			
Associate Eng/Scientist/Geologist II				
40 - Reimer, Anna	2/26/2024	1.50	243.00	364.50
	Subsidence evaluation.			
40 - Reimer, Anna	2/27/2024	4.00	243.00	972.00
	Subsidence evaluation.			

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40 - Reimer, Anna		2/28/2024	2.00	243.00	486.00
		Subsidence evaluation.			
40 - Reimer, Anna		2/29/2024	3.00	243.00	729.00
		Subsidence evaluation.			
40 - Reimer, Anna		3/1/2024	4.00	243.00	972.00
		Subsidence evaluation.			
40 - Reimer, Anna		3/4/2024	4.50	243.00	1,093.50
		Subsidence and critical infrastructure evaluation.			
40 - Reimer, Anna		3/5/2024	6.00	243.00	1,458.00
		Subsidence and critical infrastructure evaluation.			
40 - Reimer, Anna		3/6/2024	6.00	243.00	1,458.00
		Subsidence and critical infrastructure evaluation.			
40 - Reimer, Anna		3/7/2024	4.00	243.00	972.00
		Subsidence and critical infrastructure evaluation.			
40 - Reimer, Anna		3/8/2024	2.00	243.00	486.00
		Subsidence and critical infrastructure evaluation.			
40 - Reimer, Anna		3/11/2024	4.00	243.00	972.00
		Subsidence and critical infrastruture evaluation.			
40 - Reimer, Anna		3/12/2024	6.00	243.00	1,458.00
		Subsidence and critical infrastruture evaluation.			
40 - Reimer, Anna		3/13/2024	6.00	243.00	1,458.00
		Subsidence and critical infrastruture evaluation.			
40 - Reimer, Anna		3/14/2024	2.00	243.00	486.00
		Subsidence and critical infrastruture evaluation.			
40 - Reimer, Anna		3/15/2024	6.00	243.00	1,458.00
		Subsidence and critical infrastruture evaluation.			
40 - Reimer, Anna		3/18/2024	2.50	243.00	607.50
		Address subsidence deficiencies.			
40 - Reimer, Anna		3/19/2024	5.00	243.00	1,215.00
		Address subsidence deficiencies.			
40 - Reimer, Anna		3/20/2024	8.00	243.00	1,944.00
		Address subsidence deficiencies.			
40 - Reimer, Anna		3/21/2024	4.00	243.00	972.00
		Address subsidence deficiencies.			
40 - Reimer, Anna		3/22/2024	1.00	243.00	243.00
		Address subsidence deficiencies.			
40 - Reimer, Anna		3/25/2024	4.00	243.00	972.00
		Subsidence evaluation.			
40 - Reimer, Anna		3/26/2024	6.00	243.00	1,458.00
		Subsidence evaluation.			
40 - Reimer, Anna		3/27/2024	5.50	243.00	1,336.50
		Subsidence evaluation.			
40 - Reimer, Anna		3/28/2024	5.00	243.00	1,215.00
		Subsidence evaluation.			
Engineer/Scientist/Geologist II					
50 - Kwok, Alice		3/4/2024	3.00	205.00	615.00

Project	277-80-24-15	Hydrogeologic Support Services	Invoice	2057760	
		Insar figures Powerpoint preparation support			
50 - Kwok, Alice		3/12/2024	4.00	205.00	820.00
		Colusa GSP task check in w/ EC, begin land subsidence reports and articles research			
50 - Kwok, Alice		3/13/2024	.50	205.00	102.50
		Internal meeting w/ KL			
50 - Kwok, Alice		3/13/2024	3.00	205.00	615.00
		Complete MAGSA GSP: relevant land subsidence discussion review and summary			
50 - Kwok, Alice		3/14/2024	3.50	205.00	717.50
		Continue land subsidence reports and articles research			
50 - Kwok, Alice		3/18/2024	3.00	205.00	615.00
		Colusa GSP updates internal discussion w/ EC, Caltrans document land subsidence research, correspondence with Caltrans District 3 & 4			
50 - Kwok, Alice		3/19/2024	3.50	205.00	717.50
		Correspondence w/ Caltrans staff, review available ITIP documents, internal discussion w/ AR: INSAR GIS updates			
50 - Kwok, Alice		3/20/2024	1.75	205.00	358.75
		Begin INSAR annual rate data download and processing, ArcGIS server troubleshooting			
50 - Kwok, Alice		3/21/2024	2.75	205.00	563.75
		Continue INSAR annual rate data download and processing			
50 - Kwok, Alice		3/22/2024	6.75	205.00	1,383.75
		complete INSAR annual rate & total cumulative data download and processing			
50 - Kwok, Alice		3/25/2024	3.00	205.00	615.00
		Colusa INSAR data processing w/AR, call w/ EC MAGSA GSP			
		Totals	189.75		48,503.75
		<b>Total Labor</b>			<b>48,503.75</b>
				<b>Total this Task</b>	<b>\$48,503.75</b>
				<b>Total this Invoice</b>	<b>\$84,055.25</b>



PO Box 1350  
Carmel Valley, CA 93924

# Invoice

Date	Invoice #
3/31/2024	16605

Bill To:
Colusa Groundwater Authority

P.O. No.	Due Date	Inv Sent
	4/30/2024	4/10/2024

Date	Description	Amount
3/31/2024	Contract Services for March - please see attached  Billed \$10,137 out of monthly \$15,000 Balance billed to date is \$100,644 against an NTE of \$175,000	10,137.39

Electronic Payment Information: Five Star Bank Routing: 121143037 Account: 003528782	<b>Total</b> <b>\$10,137.39</b>
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**Colusa Groundwater Authority**

Month: **March, 2024**

Hours and Rates by Pay Period					
	1st -15th		16th - EOM		Monthly
Advisor	Reg Hrs	Bill Rate	Reg Hrs	Bill Rate	Total Billed
CT	21.00	\$ 157.05	27.00	\$ 157.05	\$ 7,538.40
GS	1.00	\$ 146.58	6.25	\$ 146.58	\$ 1,062.71
HT	6.50	\$ 109.94	5.40	\$ 109.94	\$ 1,308.29
DC	0.00	\$ -	2.00	\$ 114.00	\$ 228.00
RM	0.00	\$ -	0.00	\$ -	\$ -
CD	0.00	\$ -	0.00	\$ -	\$ -
<b>Totals</b>	<b>28.50</b>		<b>40.65</b>		<b>\$ 10,137.39</b>



# Client Activity Report

March 2024

Client	Task	Comment	Hours
<b>Colusa Groundwater Authority</b>			Client Hours 69.15
		<b>5350-000 - Colusa Groundwater Authority</b>	Task Hours 69.15
3/1/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/2/2024	Review and follow up re water rights application matters; review and comment on TAC agenda; review and respond to emails		1.00
3/4/2024	Begin review of draft annual report and send link to board members; various emails		1.00
3/5/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/5/2024	Review, finalize, post and distribute agenda and materials for joint TAC meeting		1.50
3/6/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/6/2024	Researching FPPC log-in requirements and potential issues to assist Supervisor Janice Bell.		1.50
3/6/2024	Work on Joint TAC minutes; various emails		1.50
3/7/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/7/2024	Finish draft joint TAC minutes, send to LH; post on website and distribute to TAC; follow up re water quality email;		3.00
3/7/2024	CGA: Financials WIP		1.00
3/7/2024	Communicating with Colusa County Clerk and Sup. Bell to fix FPPC issue.		0.20
3/7/2024	Updating public distribution lists.		0.20
3/8/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/8/2024	Prepare for and virtually attend joint TAC meeting		4.00
3/11/2024	Attend GW Task Force meeting (partial)		1.00
3/11/2024	Communicating with Colusa County Clerk and Sup. Bell to fix FPPC issue.		0.50
3/12/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/12/2024	Review fee study info; update website; call w/atty re fees; various emails		1.50
3/12/2024	Updating public distribution lists.		0.10
3/13/2024	Coordination on special joint meeting location; send meeting invite; various emails		1.00
3/13/2024	Communicating with Colusa County Clerk and Sup. Bell to fix FPPC issue.		0.10
3/13/2024	Updating and trying to re-set Sup. Bell's FPPC log-in password.		0.40
3/14/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.10
3/14/2024	Drafting February Board meeting minutes.		0.80
3/14/2024	Attend annual rept/GSP coordination meeting; attend DWR consultation meeting; review info re fee study and coordinate w/LSCE, attorney		4.00
3/15/2024	Drafting February Board meeting minutes.		1.80
3/15/2024	Follow up re March board mtg; follow up and discussion re new fees, next steps; ad hoc meeting coordination; DWR mtg coordination		1.50
3/15/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.20
3/18/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.90
3/18/2024	Meeting with Denise Carter to troubleshoot Owl issues.		0.30
3/18/2024	Attend Butte mgrs meeting (partial); follow up re prep meetings, special joint board meeting; meeting coordination; various emails		1.50
3/18/2024	Troubleshoot Owl		0.50
3/19/2024	Communicating with RGS and CGA staff advisors via email and RingCentral.		0.20
3/19/2024	Review revised TAC minutes; distribute and post special board meeting agenda; meeting coordination w/atty and LTF committee		2.00



# Client Activity Report

March 2024

Client	Task	Comment	Hours
		3/20/2024 Prepare Feb special meeting minutes, send to Lisa H; post special meeting packet and send notices	3.50
		3/21/2024 Attend planning meeting w/consultant team for special board mtg; various emails	2.00
		3/22/2024 CGA: Financials WIP	2.00
		3/22/2024 Remotely attend special board meeting; prepare draft hearing notice and follow up w/atty; begin spec mtg minutes; prepare and distribute LTF agenda and meeting notice; prepare Board meeting agenda; post and distribute	6.50
		3/23/2024 Prepare agenda meeting materials, meeting minutes; compile packet, post and distribute	3.00
		3/23/2024 CGA: Financials WIP	2.00
		3/24/2024 CGA: Audit WIP	2.00
		3/25/2024 Attend DWR consultation meeting; meeting coordination; follow up re Form 700 filings; various emails	2.00
		3/26/2024 Communicating with RGS and CGA staff advisors via email and RingCentral.	0.20
		3/26/2024 Pick up mail/invoices/prepare for mailing/set up meeting room.	1.50
		3/26/2024 Attend ad hoc Long Term Funding committee meeting; prepare for and attend board meeting	2.50
		3/26/2024 Assisting Board members with questions on Form 700s.	0.30
		3/26/2024 Preparing for 3/26 CGA Board meeting.	0.30
		3/26/2024 Clerking the 3/26 CGA Board meeting.	1.10
		3/27/2024 Communicating with RGS and CGA staff advisors via email and RingCentral.	0.70
		3/27/2024 Call w/HT re Form 700 filing issues; review and respond to emails	0.50
		3/27/2024 Assisting Board members with questions on Form 700s.	0.30
		3/28/2024 Annual report/GSP call w/consultant team; call w/Thad B; prepare and submit Public Hearing notice for publication, approve proof, and coordinate payment; review annual report and approve for submittal	3.50
		3/29/2024 Communicating with RGS and CGA staff advisors via email and RingCentral.	0.10
		3/29/2024 CGA: AP Processing	0.25
		3/29/2024 Reviewing CGA's conflict of interest code and reaching out to FPPC regarding Form 700 question.	1.00



**Water Ecology LLC**

*Expertise in Water  
Management, Land Uses,  
and Ecological Systems*

Water Ecology LLC

4202 Magness Ct

Chico, CA 95973

530.588.3450

BILL TO:  
Colusa Groundwater Authority  
PO Box 475  
Colusa, CA 95932

Invoice Date: 4/8/2024

Invoice No.: 2

**INVOICE**

Monthly Billing Period: March

**SUMMARY OF CHARGES**

ITEM	DESCRIPTION	TOTAL
1	Professional Services per Agreement Paragraph 8(a)(1).	\$9,000
Subtotal =		\$9,000
Past Due		
Balance Due on Receipt		\$9,000

Signed Thaddeus Bettner  
Thaddeus Bettner, Principal

Mail Checks To:  
Water Ecology LLC  
4202 Magness Ct  
Chico CA 95073

Electronic Payments:  
Water Ecology LLC  
Tri Counties Bank  
Routing #121135045; Account #092138045

**SUMMARY OF ACTIVITIES**

- Coordination and Meetings with Davids Engineering on the preparation of GSP Revisions
- Participated in Joint GSA Board Meetings
- Meetings with Paul Gosselin to discuss GSP revisions and actions needed that DWR will consider and approve
- Reviewed draft annual report
- Reviewed draft GSP revision letter to DWR
- Emails and calls with Ben King to address his concerns on the winter water right and potential permit conditions to resolve his protest, prepared draft letter to Mr.King for review by Carol and Darrin
- Discussion with Carol on beginning to map out implementation schedule after DWR letter submission, discussed with Jeff Davids

**Invoice**

**DAVIDS ENGINEERING, INC.**  
**Tax ID#68-0346173**  
**1772 Picasso Avenue, Suite A**  
**Davis, CA 95618-0550**  
**530/757-6107 - phone**  
**530/757-6118 - fax**

April 09, 2024  
 Invoice No: 1173.03 - 6170

Carol Thomas-Keefer  
 Colusa Groundwater Authority  
 P.O. Box 475  
 Colusa, CA 95932

Project 1173.03 Colusa Groundwater Authority - Colusa Subbasin Groundwater Sustainability  
 Plan Annual Reports

**Professional Services from March 01, 2024 to March 31, 2024**

Task	02.00	WY 2023 GSP Annual Report
Sub-Task	DE.00	Davids Engineering, Inc.

**Professional Personnel**

	Hours	Rate	Amount
Assistant Engineer II			
Winslow, Jacob	2.25	139.00	312.75
Senior Project Assistant			
Davids, Kristi	.25	120.00	30.00
Supervising Engineer			
Davids, Jeff	1.50	228.00	342.00
Associate Engineer I			
Klug, Katherine	8.00	188.00	1,504.00
Associate Project Assistant			
Clark, Cynthia	1.00	108.00	108.00
<b>Totals</b>	<b>13.00</b>		<b>2,296.75</b>
<b>Total Labor</b>			<b>2,296.75</b>

Contract Amount	Current	Prior	To-Date
Total Billings	2,296.75	20,470.50	22,767.25
Contract Amount			27,900.00
Remaining			5,132.75
		<b>Total this Sub-Task</b>	<b>\$2,296.75</b>

**Billings to Date**

	Current	Prior	Total
Labor	2,296.75	20,470.50	22,767.25
<b>Totals</b>	<b>2,296.75</b>	<b>20,470.50</b>	<b>22,767.25</b>

Sub-Task LS.CE Luhdorff & Scalmanini Consulting Engineers

Project	1173.03	CGA - Colusa Sub. GSP Annual Reports	Invoice	6170
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**Consultants**

Luhdorff & Scalmanini Consulting Enginee				
3/14/2024	Luhdorff & Scalmanini Consulting Engineers	Professional services rendered through February 25, 2024 - see attached	4,737.00	
<b>Total Consultants</b>			<b>1.0 times</b>	<b>4,737.00</b>

**Contract Amount**

	<b>Current</b>	<b>Prior</b>	<b>To-Date</b>	
Total Billings	4,737.00	7,287.50	12,024.50	
Contract Amount Remaining			27,900.00	
			15,875.50	
			<b>Total this Sub-Task</b>	<b>\$4,737.00</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>	
Consultant	4,737.00	7,287.50	12,024.50	
<b>Totals</b>	<b>4,737.00</b>	<b>7,287.50</b>	<b>12,024.50</b>	
			<b>Total this Task</b>	<b>\$7,033.75</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>	
Labor	2,296.75	20,470.50	22,767.25	
Consultant	4,737.00	7,287.50	12,024.50	
<b>Totals</b>	<b>7,033.75</b>	<b>27,758.00</b>	<b>34,791.75</b>	
			<b>Total this Invoice</b>	<b>\$7,033.75</b>

**Billings to Date**

	<b>Current</b>	<b>Prior</b>	<b>Total</b>
Labor	2,296.75	63,613.00	65,909.75
Consultant	4,737.00	25,881.75	30,618.75
<b>Totals</b>	<b>7,033.75</b>	<b>89,494.75</b>	<b>96,528.50</b>

I certify that the above invoice is true and correct to the best of my knowledge.

Authorized By:  Date: 04/09/2024

## Billing Backup

Tuesday, April 9, 2024

Davids Engineering, Inc.

Invoice 6170 Dated 4/9/2024

12:51:12 PM

Project	1173.03	Colusa Groundwater Authority - Colusa Subbasin Groundwater Sustainability Plan Annual Reports		
Task	02.00	WY 2023 GSP Annual Report		
Sub-Task	DE.00	Davids Engineering, Inc.		

### Professional Personnel


	Hours	Rate		Amount
Assistant Engineer II				
Winslow, Jacob	3/8/2024	2.25	139.00	312.75
Collecting and formatting CVO tables.				
Senior Project Assistant				
Davids, Kristi	3/6/2024	.25	120.00	30.00
project support, accounting				
Supervising Engineer				
Davids, Jeff	3/12/2024	1.50	228.00	342.00
Annual report presentation to GGA.				
Associate Engineer I				
Klug, Katherine	3/7/2024	.25	188.00	47.00
Annual Report coord meeting with LSCE				
Klug, Katherine	3/12/2024	1.25	188.00	235.00
participating in GGA meeting to present on Annual Report updates				
Klug, Katherine	3/19/2024	.25	188.00	47.00
Colusa Annual Report comment review				
Klug, Katherine	3/20/2024	1.00	188.00	188.00
Colusa Annual Report comment review and report revisions				
Klug, Katherine	3/22/2024	3.75	188.00	705.00
Colusa Annual Report comment review and report revisions				
Klug, Katherine	3/26/2024	1.25	188.00	235.00
packaging and uploading Colusa Annual Report to SGMA portal				
Klug, Katherine	3/28/2024	.25	188.00	47.00
Colusa annual report submittal				
Associate Project Assistant				
Clark, Cynthia	3/13/2024	.50	108.00	54.00
Project Support, Accounting				
Clark, Cynthia	3/14/2024	.25	108.00	27.00
Project Support, Accounting				
Clark, Cynthia	3/29/2024	.25	108.00	27.00
Project Support, Accounting				
Totals		13.00		2,296.75
<b>Total Labor</b>				<b>2,296.75</b>
			<b>Total this Sub-Task</b>	<b>\$2,296.75</b>

Sub-Task	LS.CE	Luhdorff & Scalmanini Consulting Engineers		
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Project	1173.03	CGA - Colusa Sub. GSP Annual Reports	Invoice	6170
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**Consultants**

Luhdorff & Scalmanini Consulting Enginee

AP 10328	3/14/2024	 Luhdorff & Scalmanini Consulting Engineers / Professional services rendered through February 25, 2024 - see attached	4,737.00
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<b>Total Consultants</b>	<b>1.0 times</b>	<b>4,737.00</b>	<b>4,737.00</b>
	<b>Total this Sub-Task</b>		<b>\$4,737.00</b>
	<b>Total this Task</b>		<b>\$7,033.75</b>
	<b>Total this Project</b>		<b>\$7,033.75</b>
	<b>Total this Report</b>		<b>\$7,033.75</b>





**Invoice**

March 14, 2024

DAVIDS ENGINEERING, INC.  
Attn: Grant Davids  
1772 Picasso Avenue, Suite A  
Davis, CA 95618

Invoice No: 41054

Project: 231155 COLUSA SUBBASIN ANNUAL  
REPORT 2023

*Davids Eng: 1173.03*

**Professional services rendered through February 25, 2024**

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**Task: 11 Analysis of Existing Data**

**Professional Personnel**

	Hours	Rate	Amount	
Senior Hydrogeologist	20.70	190.00	\$3,933.00	
<b>Total Professional Labor</b>	<b>20.70</b>		<b>\$3,933.00</b>	<b>\$3,933.00</b>
			<b>Total This Task</b>	<b>\$3,933.00</b>

**Task: 13 Analysis**

**Professional Personnel**

	Hours	Rate	Amount	
Staff Hydrogeologist	1.00	155.00	\$155.00	
<b>Total Professional Labor</b>	<b>1.00</b>		<b>\$155.00</b>	<b>\$155.00</b>
			<b>Total This Task</b>	<b>\$155.00</b>

**Task: 15 Reports**

**Professional Personnel**

	Hours	Rate	Amount	
Principal Hydrogeologist	2.00	247.00	\$494.00	
Staff Hydrogeologist	1.00	155.00	\$155.00	
<b>Total Professional Labor</b>	<b>3.00</b>		<b>\$649.00</b>	<b>\$649.00</b>

**Total This Task                    \$649.00**

**Total This Invoice            \$4,737.00**

**Outstanding Invoices**

<b>Number</b>	<b>Date</b>	<b>Balance</b>
40932	2/21/2024	\$3,128.00
<b>Total</b>		<b>\$3,128.00</b>

**Total Now Due            \$7,865.00**

**Billing Summary**

	<u>Previously Billed</u>	<u>Current Billing</u>	<u>Billed To Date</u>
<b>Labor &amp; Expenses</b>	\$7,287.50	\$4,737.00	\$12,024.50

**Billing Backup**

Thursday, March 14, 2024

Luhdorff & Scalmanini, Cons. Eng.

Invoice Dated March 14, 2024

9:03:29 AM

**231155 COLUSA SUBBASIN ANNUAL REPORT 2023**

Invoice No: 41054

**Task: 11 - Analysis of Existing Data**

**Professional Personnel**

			<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Senior Hydrogeologist						
233CE Esposito, Cab	1/29/2024		6.50	190.00	\$1,235.00	
<i>Water level / SMC analysis</i>						
233CE Esposito, Cab	2/1/2024		4.00	190.00	\$760.00	
<i>Meetings, WL, and subsidence</i>						
233CE Esposito, Cab	2/12/2024		.20	190.00	\$38.00	
<i>Coordination</i>						
233CE Esposito, Cab	2/22/2024		4.00	190.00	\$760.00	
<i>AR development</i>						
233CE Esposito, Cab	2/23/2024		4.00	190.00	\$760.00	
<i>AR development</i>						
233CE Esposito, Cab	2/25/2024		2.00	190.00	\$380.00	
<i>AR development</i>						
Totals			20.70		\$3,933.00	
<b>Total Labor</b>					\$3,933.00	<b>\$3,933.00</b>
<b>Total this task</b>						<b>\$3,933.00</b>

**Task: 13 - Analysis**

**Professional Personnel**

			<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Staff Hydrogeologist						
232AR Rodriguez-Arriaga, Angelica	1/31/2024		.50	155.00	\$77.50	
<i>map export</i>						
232AR Rodriguez-Arriaga, Angelica	2/1/2024		.50	155.00	\$77.50	
<i>subsidence maps</i>						
Totals			1.00		\$155.00	
<b>Total Labor</b>					\$155.00	<b>\$155.00</b>
<b>Total this task</b>						<b>\$155.00</b>

**Task: 15 - Reports**

**Professional Personnel**

			<b>Hours</b>	<b>Rate</b>	<b>Amount</b>	
Principal Hydrogeologist						
214ET Teasdale, Eddy	2/9/2024		2.00	247.00	\$494.00	
<i>Annual Report - Prep &amp; Presentation</i>						
Staff Hydrogeologist						
245LJ Jackson, Leah	1/29/2024		1.00	155.00	\$155.00	
<i>AR Table edits</i>						
Totals			3.00		\$649.00	
<b>Total Labor</b>					\$649.00	<b>\$649.00</b>
<b>Total this task</b>						<b>\$649.00</b>

**Total This Invoice \$4,737.00**



## Colusa Groundwater Authority Board of Directors Meeting

April 23, 2024 | 1:30 p.m.

### AGENDA SUPPORT MATERIALS

#### **AGENDA ITEM 4:** Presentation on Long-Term Funding/Fee Study

Based on direction from the CGA Board, consultant Luhdorff & Scalmanini Consulting Engineers (LSCE) has been preparing a fee proposal to address CGA's long-term funding needs for agency administration, SGMA compliance costs, and costs to implement projects and management actions contained in the Groundwater Sustainability Plan (GSP). The proposed fee structure would allocate fees based on water user class (primarily surface water, primarily groundwater, or non-irrigable). At the end of February, CGA held public outreach meetings in Colusa, Maxwell and Arbuckle to review CGA's projected funding needs, discuss proposals for fee structures, and to receive public comment.

LSCE is now completing the fee study report and will provide a presentation on the proposed fee structure and next steps for finalizing and adopting the new fees.

#### **ATTACHMENT:**

- LSCE Presentation on CGA Fee Study

# Colusa Groundwater Authority Board Meeting Long Term Fee Update Project

Eddy Teasdale and Jacques DeBra, LSCE

April 23, 2024 (1:30 p.m.)

Colusa Industrial Properties Meeting Room

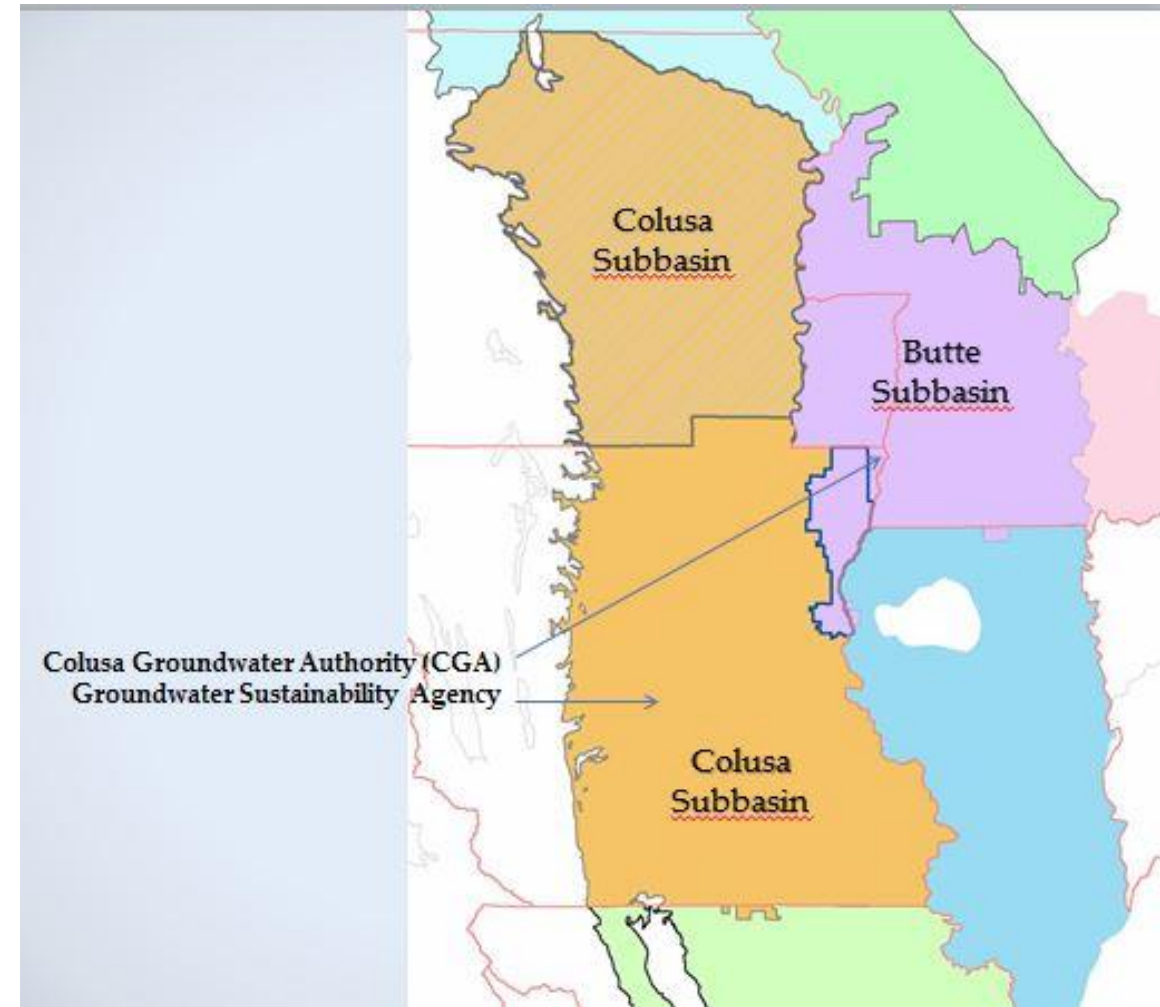


**Luhdorff &  
Scalmanini**  
Consulting Engineers

# Colusa Groundwater Authority – Our Mission

The Colusa Groundwater Authority (CGA) is the Groundwater Sustainability Agency responsible for implementing the Sustainable Groundwater Management Act in the Colusa County portion of the Colusa Subbasin and the county portion of the Butte subbasin outside of Reclamation District 1004. The CGA is a twelve-member Joint Powers Authority that was formed on June 29, 2017.

To date, the CGA has been funded through Proposition 218 fees approved in 2019, local contributions, and DWR grant funding for GSP development. Sustainable long term funding sources are needed to support GSP implementation and SGMA compliance related activities in the Subbasin.



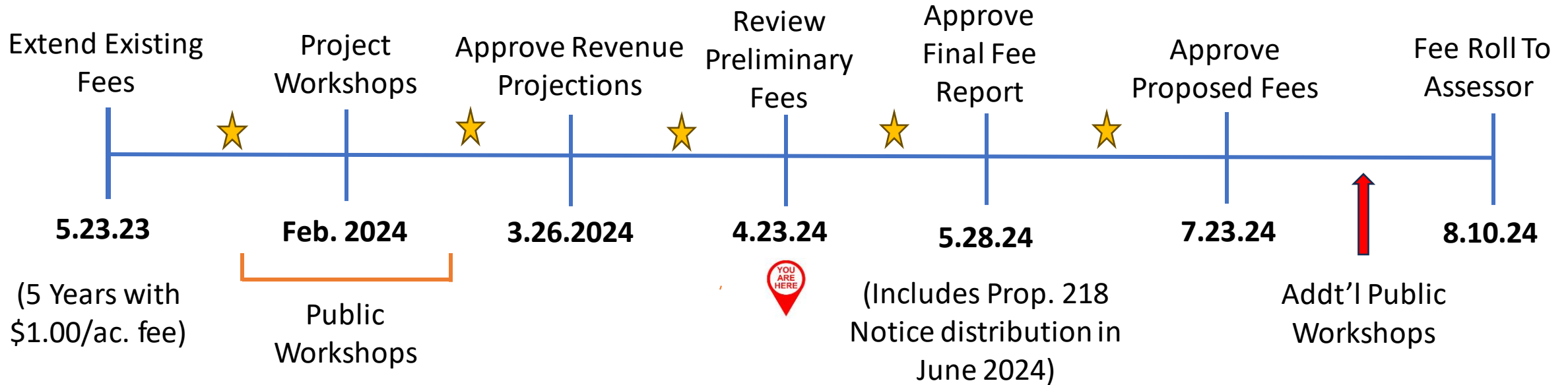
# Colusa Groundwater Authority – Long Term Fee Project Item Outline

## ITEM OUTLINE

- **PROJECT SCHEDULE**
- PRELIMINARY FEES
- PROPOSITION 218 PROCESS
- NEXT STEPS



# Colusa Groundwater Authority - 23-24 Long Term Fee Update Project Milestones



## Public Outreach:

Website/Project updates; public workshops (3).

Ad-hoc Meetings = ★



# Colusa Groundwater Authority – Long Term Fee Project Schedule Outline

## Colusa Groundwater Authority

### 2024 Fee Project Schedule

<u>Date - 2024</u>	<u>Deliverables</u>
April 23 (Board Meeting)	Review Proposed Fees/Approve Prop. 218 Notice
May 21	Final Prop. 218 Notice to Printer (10-days before mailing)
May 28 (Board Meeting)	Approve 2024 Fee Report (including Prop. 218 Notice)
May 31	Mail Prop. 218 Notice to Property Owners
June 25 (Board Meeting)	Receive Project Update
June 27	Public Workshop – Colusa Veteran’s Hall
July 01	Public Workshop – Sites Project Office
July 02	Public Workshop – Fire Hall in Arbuckle
July 03	Public Notice (14-day) – due to Newspaper June 26
July 10	Public Notice (7-day) – due to Newspaper July 03
July 23 (Board Meeting)	Conduct Public Hearing/Approve Fees
August 05	Submit Direct Assessment File to Assessor
Dec 2024	First semi-annual assessment of Property Tax Bill

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Optional Additional Outreach: Ad-hoc can establish final dates as part of April Board meeting item.

Current schedule allows 56-days from Prop. 218 mailing to public hearing, exceeding minimum 45-day advance notice period.



# Colusa Groundwater Authority – Long Term Fee Project Item Outline

## ITEM OUTLINE

- PROJECT SCHEDULE
- **PRELIMINARY FEES**
- PROPOSITION 218 NOTICE
- NEXT STEPS

# Long Term CGA Fee – Development Process

Establish Revenue Needs  
(Operational and Implementation Costs)

- Revenue needs – GSA operations
- Revenue needs – SGMA Compliance
- Five-year Revenue Projections – planning horizon
- Adequate for GSA to comply with SGMA
- Meet GSA financial assurance/sustainability goal

Cost Allocation

- By type – operations vs. implementation
- By Subbasin GSA – weighted by effort
- By use – weight by groundwater use
- Proportional relative to user costs and service/benefit received

Proposed Fees/Charges

- Public notification
- Stakeholder outreach
- Public hearing and majority protest

YOU  
ARE  
HERE

# CGA – Updated Revenue Projections For GSP Implementation and SGMA Compliance

Updated based on DWR GSP review and update process.

Maximum annual revenues \$912,872 in FY28-29.

Presented at public workshops.

COLUSA SUBBASIN CGA GSA - Long Term Funding Strategy					
Five-Year CGA GSA Operational Budget - GSP Implementation and SGMA Compliance Costs					
5-Year GSP Implementation Inflation Adjustment	Baseline	3% Asdjustment	3% Asdjustment	3% Asdjustment	3% Asdjustment
Proposed	Year 1	Year 2	Year 3	Year 4	Year 5
Cost Category-GSA Admin.	2024	2025	2026	2027	2028
<b>Professional Services - Admin.</b>					
Auditor	\$7,500	\$7,725	\$7,957	\$8,195	\$8,441
Financial Services	\$5,000	\$5,150	\$5,305	\$5,464	\$5,628
Legal Services	\$100,000	\$103,000	\$106,090	\$109,273	\$112,551
Program Manager	\$75,000	\$77,250	\$79,568	\$81,955	\$84,413
Prop. 218 Parcel Update	\$3,500	\$3,605	\$3,713	\$3,825	\$3,939
<b>Professional Services - Admin. Sub-total</b>	<b>\$191,000</b>	<b>\$196,730</b>	<b>\$202,632</b>	<b>\$208,711</b>	<b>\$214,972</b>
<b>Office Expense</b>					
Bank Fees	\$500	\$515	\$530	\$546	\$563
JPA Insurance	\$2,000	\$2,060	\$2,122	\$2,185	\$2,251
Outreach (mailings/copying/printing)	\$5,500	\$5,665	\$5,835	\$6,010	\$6,190
Website	\$1,500	\$1,545	\$1,591	\$1,639	\$1,688
Supplies	\$500	\$515	\$530	\$546	\$563
<b>Office Expense Sub-total</b>	<b>\$10,000</b>	<b>\$10,300</b>	<b>\$10,609</b>	<b>\$10,927</b>	<b>\$11,255</b>
Professional Services - GSP Implementation	\$15,000	\$15,450	\$15,914	\$16,391	\$16,883
Professional Services - Long Term Financial Planning/Fees	\$15,000	\$15,450	\$15,914	\$16,391	\$16,883
Legal Defense Reserve (funds already saved in budget)	\$0	\$0	\$0	\$0	\$0
County Tax Roll Fee Support	\$5,000	\$5,150	\$5,305	\$5,464	\$5,628
Contingency (10%)	\$23,600	\$24,308	\$25,037	\$25,788	\$26,562
<b>GSA Admin. Sub-total</b>	<b>\$259,600</b>	<b>\$267,388</b>	<b>\$275,410</b>	<b>\$283,672</b>	<b>\$292,182</b>
5-Year GSP Implementation Inflation Adjustment	0%	3%	3%	3%	3%
<b>Cost Category-SGMA Compliance</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>
Annual Reporting	\$35,000	\$36,050	\$37,132	\$38,245	\$39,393
Five Year GSP Update w/Modeling Calibrations (due 2027)	\$60,625	\$62,444	\$64,317	\$66,247	\$68,234
Surface-GW Interaction Modeling (NCWA Approach)	\$10,000	\$10,300	\$10,609	\$10,927	\$11,255
GSA Coordination & Outreach (w/in and between GSAs)	\$30,000	\$30,900	\$31,827	\$32,782	\$33,765
Data Management System Upgrade & Maintenance	\$25,000	\$25,750	\$26,523	\$27,318	\$28,138
Long Term Financial Planning/Fees (moved into GSA Admin.)	\$0	\$0	\$0	\$0	\$0
GSP Project Implementation and Monitoring	\$200,000	\$206,000	\$212,180	\$218,545	\$225,102
Program Manager	\$100,000	\$103,000	\$106,090	\$109,273	\$112,551
Professional Services - GSP Implementation	\$20,000	\$20,600	\$21,218	\$21,855	\$22,510
Grant Procurement	\$30,000	\$30,900	\$31,827	\$32,782	\$33,765
Contingency (8%)	\$40,850	\$42,076	\$43,338	\$44,638	\$45,977
<b>SGMA Compliance Sub-Total</b>	<b>\$551,475</b>	<b>\$568,019</b>	<b>\$585,060</b>	<b>\$602,612</b>	<b>\$620,690</b>
TOTAL CGA Administration (w/inflation adjustment)	\$259,600	\$267,388	\$275,410	\$283,672	\$292,182
TOTAL CGA SGMA Compliance (w/inflation adjustment)	\$551,475	\$568,019	\$585,060	\$602,612	\$620,690
<b>TOTAL CGA Operational Budget</b>	<b>\$811,075</b>	<b>\$835,407</b>	<b>\$860,469</b>	<b>\$886,284</b>	<b>\$912,872</b>



# Colusa Groundwater Authority – Fee Options Evaluation Process

Fee Options Evaluated	Recommendation
Uniform Fee	Not Feasible – equity concerns
Irrigated/Non-Irrigated-Water Source Fee	<b>Feasible – fee policy needed, some implementation costs</b>
Sub-Area Water Budget Fee	Not Feasible – more complicated to implement and explain (keep as future option with updated data)
Land Use Method - zoning	Not Feasible – equity and implementation cost concerns
Land Use Method – ET based water budget	Not Feasible – high implementation costs, GSA role change
Well Registration	Not Feasible – cost and data accuracy concerns
Metered Groundwater Extraction Fee	Not Feasible – high cost/ag impact concerns
SWRCB SGMA Intervention Fees	Not recommended – high cost/ag impact concerns

Urban areas would continue to pay share of fees directly to CGA with updated fees.  
Prop. 218 Fees would be collected on County Assessor Fee Roll.



# Colusa Groundwater Authority – Proposed User Class Fee Structure

Includes 3 User Classes

Yellow Areas:

Non-Irrigable (zero to minimal gw use).

Blue Areas:

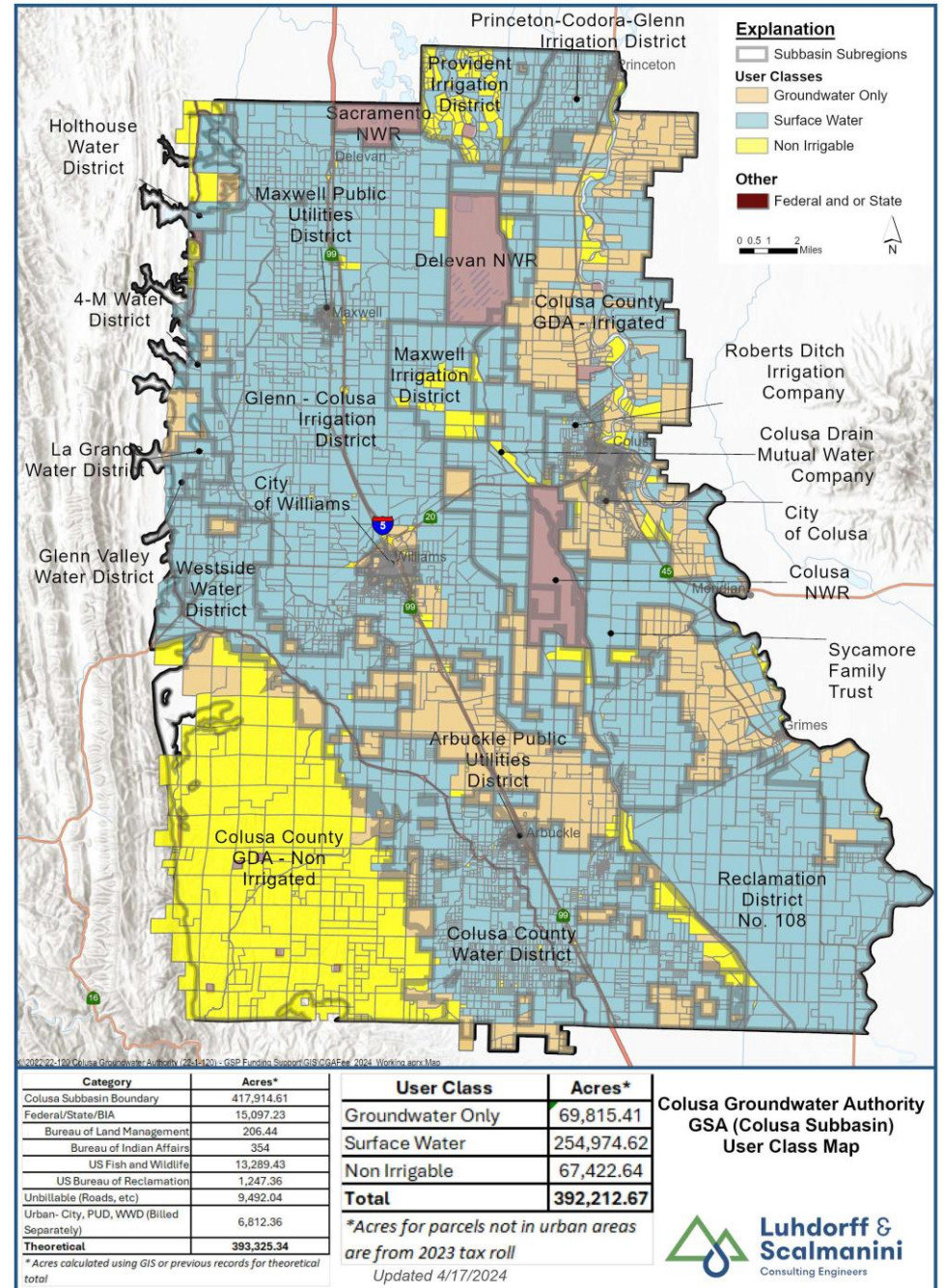
SW dependent areas with some gw use  
Riparian/Area-of-Origin/Appropriative sw rights.

Brown Areas:

GW only areas (in gw and sw areas).

Purple Areas:

Exempt NWAs (Fed/State/Tribal)



# Colusa Groundwater Authority – User Class Fee Structure Data Collection

## User Class Data Review Sources

- Surface Water User Class
  - Sacramento River Settlement Contractors
  - SWRCB e-WRIMS water right system (available online data)
  - Colusa Subbasin GSP
  - Land IQ
  - Water Districts and Landowners
- Groundwater User Class
  - SWRCB Water System Permit Data
  - Colusa Subbasin GSP
  - Land IQ
  - Water Districts and Landowners
- Non-Irrigable User Class
  - Colusa Subbasin GSP
  - Land IQ
  - Water Districts and Landowners

There will be some adjustments during year 1 of the fee implementation period due to some parcel level data uncertainty.

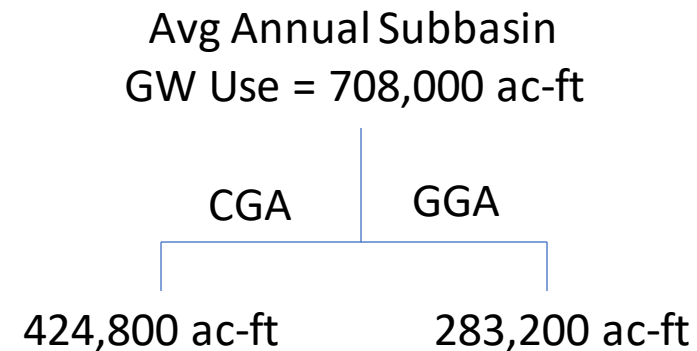
# Colusa Groundwater Authority – User Class Fee Structure

## ESTIMATED GROUNDWATER USE – BASED ON 2024 DE GSP WORK

CGA Water Source Fee Option 50/47.5/2.5% Cost Allocation Basis	Total Estimated CGA GW Use (afy)	% Estimated GW Use	Net Assessable Acreage	Projected FY24-25 Revenue
SW User Class	212,400	50.00%	254,975	\$405,538
GW Only User Class	201,780	47.50%	69,815	\$385,261
Non-Irrigable User Class	10,620	2.50%	67,423	\$20,277
<b>Total CGA Annual GW Use</b>	<b>424,800</b>	<b>100.00%</b>	<b>392,213</b>	<b>\$811,075</b>

Table 2-3. Groundwater Extraction Volumes, by Water Use Sector (acre-feet, rounded).

Water Year Type)	Agricultural	Urban1	Managed Wetlands	Native Vegetation	Total
2016 (BN)	598,000	9,500	24,000	-	631,500
2017 (W)	542,000	9,700	21,000	-	572,700
2018 (BN)	566,000	9,800	26,000	-	601,800
2019 (W)	611,000	9,600	22,000	-	642,600
2020 (D)	723,000	10,200	27,000	-	760,200
2021 (C)	933,000	10,200	34,000	-	977,200
2022 (C)	860,000	10,900	28,000	-	898,900
2023 (W)	552,900	8,700	15,800	-	577,400
Average 2016-2023)	673,000	10,000	25,000	-	708,000





# Colusa Groundwater Authority – User Class Fee Structure (Preliminary Fees)

This fee option is considered the most equitable with the lowest GSA implementation costs.

<b>CGA Surface Water</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
Total Primary-SW Revenue Allocation	\$405,538	\$417,704	\$430,235	\$443,142	\$456,436
Total Primary-SW Acreage	254,975	254,975	254,975	254,975	254,975
<b>Proposed Primary-SW Fee (\$/ac)</b>	<b>\$1.59</b>	<b>\$1.64</b>	<b>\$1.69</b>	<b>\$1.74</b>	<b>\$1.79</b>
<b>Annualized Total SW Fee (\$/ac)</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>
<b>CGA Groundwater Only</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
Total Primary-GW Revenue Allocation	\$385,261	\$396,818	\$408,723	\$420,985	\$433,614
Total Primary-GW Acreage	69,815	69,815	69,815	69,815	69,815
<b>Proposed Primary-GW Fee (\$/ac)</b>	<b>\$5.52</b>	<b>\$5.68</b>	<b>\$5.85</b>	<b>\$6.03</b>	<b>\$6.21</b>
<b>Annualized Total GW Fee (\$/ac)</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>
<b>CGA Non-Irrigable</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
Total Non-Irrigable Revenue Allocation	\$20,277	\$20,885	\$21,512	\$22,157	\$22,822
Total Non-Irrigable Acreage	67,423	67,423	67,423	67,423	67,423
<b>Proposed Non-Irrigable Fee (\$/ac)</b>	<b>\$0.30</b>	<b>\$0.31</b>	<b>\$0.32</b>	<b>\$0.33</b>	<b>\$0.34</b>
<b>Annualized Total Non-Irrig Fee (\$/ac)</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>

Maximum Fees



# Colusa Groundwater Authority – Long Term Fee Implementation

## KEY IMPLEMENTATION ITEMS

- Update parcel level data during five-year period for accurate fee assessment
- Update estimated groundwater use figures in Subbasin and CGA service area
- Provide appeals process for user class reclassifications based on parcel changes
- Continue to collect urban area CGA fees through annual agreement process

# Colusa Groundwater Authority – Long Term Fee Project Item Outline

## ITEM OUTLINE

- PROJECT SCHEDULE
- PRELIMINARY FEES
- **PROPOSITION 218 NOTICE**
- NEXT STEPS

# Colusa Groundwater Authority – Long Term Fee - Proposition 218 Notice

## **KEY ELEMENTS**

- Proposition 218 Notices – Separate Notice to Each User Class, Includes Protest Form
  - Non-Irrigable
  - Groundwater Only
  - Surface Water
- Proposition 218 Notice Mailer
  - Mail 5/31/2024
  - 2 Pages: Page 1 = Prop. 218 Notice; Page 2 = Side 1: Public Workshop Flyer, Side 2: Landowner Information
  - Envelope – marked as CGA Proposition 218 Notice
  - Bids received: low bid under \$5,000.
- Proposition 218 Notice Fee Amount
  - Includes maximum fee, CGA may approve any fee amount not to exceed maximum fee during five-year period
- Mailing date allows minimum 45-day notice period prior to Board consideration of fee approval
- Final Proposition 218 Notices to be included in Fee Report (to be approved at May Board meeting)

# Colusa Groundwater Authority – Long Term Fee – Draft Proposition 218 Notice Mailer Pg 1

## COLUSA GROUNDWATER AUTHORITY GROUNDWATER SUSTAINABILITY AGENCY NOTICE OF HEARING TO ADOPT PROPOSED FEE

In compliance with California State Law, notice is hereby given that the Colusa Groundwater Authority Groundwater Sustainability Agency (CGA GSA) will hold a public hearing on: July 23, 2024 at the Colusa Industrial Properties, 110 Sunrise Blvd., Colusa, CA 95932 at 2:00 p.m. to consider the adoption of a new annual per acre fee starting in Fiscal Year 2024-25 for implementation of the Colusa Subbasin Groundwater Sustainability Plan (GSP) required by the State of California pursuant to the 2014 Sustainable Groundwater Management Act (SGMA).

### Background:

The CGA GSA is a joint powers agency formed on June 29, 2017, to comply with the requirements of SGMA for that portion of the Colusa Subbasin underlying COUNTY OF COLUSA, CITY OF COLUSA, CITY OF WILLIAMS, COLUSA COUNTY WATER DISTRICT, GLENN-COLUSA IRRIGATION DISTRICT, PRINCETON-CODORA-GLENN IRRIGATION DISTRICT, PROVIDENT IRRIGATION DISTRICT, MAXWELL IRRIGATION DISTRICT, WESTSIDE WATER DISTRICT, RECLAMATION DISTRICT 108, RECLAMATION DISTRICT 479, COLUSA DRAIN MUTUAL WATER COMPANY, and the county portion of the Butte subbasin outside of Reclamation District 1004. The Colusa Subbasin area is described in California Department of Water Resources Bulletin 118 (2020), Sacramento Valley Groundwater Basin, Colusa Subbasin, Number 5-021.52 which is classified as a High Priority Subbasin comprised of approximately 723,823 total acres. As required by SGMA, the CGA GSA adopted a GSP in 2022, and must now implement that GSP as required by law to prevent the State of California from stepping in to manage the local groundwater basin and corresponding groundwater resources. The Subbasin is jointly managed by the Colusa and Glenn Groundwater Authority GSAs.

### Basis of Proposed Fee:

To provide local groundwater management, sustainability, and SGMA compliance, the CGA GSA must annually monitor and report groundwater conditions to the State, prepare required updates to the GSP, conduct required coordination among GSAs in the Sacramento Valley Groundwater Basin, address surface-groundwater interactions, implement a monitoring program, and maintain GSA operations. GSA operations include but are not limited to legal, technical and administration costs (including consultant services, insurance, office, outreach, and accounting).

The proposed fee is a property-related fee governed by Proposition 218 and the California Constitution. California Water Code Section 10730 provides authority for the CGA GSA to impose Fees to support GSA administration, GSP implementation, and SGMA compliance. The CGA GSA Board has reviewed the best options to fund the GSA and associated activities over the next five years as explained and documented in the May 2024 Proposition 218 Fee Report.

The service of local groundwater management requires each landowner to cover the cost of groundwater management, GSA administration, GSP implementation, and SGMA compliance including groundwater monitoring, preparation of annual reports, and regulatory compliance activities to ensure that the Colusa Subbasin is sustainable over the long term, as required by SGMA. Each acre in the Colusa Subbasin is required to be managed by a GSP and will receive the local management services through the CGA GSA for the portion in the CGA service area. Ensuring sustainability will allow the CGA GSA to maintain local control and avoid expensive State intervention and operation of the Subbasin, which would result in higher Fees. If the State Water Resources Control Board intervenes in the Colusa Subbasin, it may impose annual fees ranging from \$100 per domestic well, to \$300 per agricultural well, plus up to \$55 per acre-foot of pumped water per well and require annual reporting of extractions to the State. For more information: [https://www.waterboards.ca.gov/water\\_issues/programs/gmp/docs/intervention/intervention\\_fs.pdf](https://www.waterboards.ca.gov/water_issues/programs/gmp/docs/intervention/intervention_fs.pdf)  
Implementing the proposed fee allows the CGA GSA to provide groundwater management services and ensures a more affordable and locally managed option for managing the Colusa Subbasin while maintaining SGMA compliance for all landowners.

### Proposed Property Fee:

The proposed per-acre fee funds the service of groundwater management including implementation of the GSP and compliance with SGMA. This fee is a per-acre fee that imposes a maximum fee of \$1.79 per surface water user class acre (in 2024 dollars, including inflation, for the subsequent four years). The proposed fee, if approved, will become effective for fiscal year 2024-25 (beginning July 1, 2024), with the first payment due by December 15, 2024. The actual amount of the fee will be set by Resolution of the CGA GSA but cannot exceed the maximum per acre fee specified above, including the inflation factor, absent a subsequent Proposition 218 proceeding.

The proposed annual per acre fee is prorated based on parcel size; examples are provided in the table below:

1.0-acre parcel	5.0-acre parcel	10.0-acre parcel	25.0-acre parcel	50.0-acre parcel	100.0-acre parcel	150.0-acre parcel
\$1.79	\$8.95	\$17.90	\$44.75	\$89.50	\$179.00	\$268.50

There are three proposed maximum rates; \$1.79 per surface water user class acre, \$6.21 per groundwater only acre, and \$0.34 per non-irrigable acre. Each acre of land subject to a fee would only be charged one of these rates. The rate applicable to your parcel has been indicated above. For more information, including the Fee Report summarizing the findings, please visit the Colusa Groundwater Authority GSA website at: [Colusa Groundwater Authority \(CGA\) | Groundwater Sustainability Agency](https://www.colusagsa.org/).

### Public Hearing and Majority Protest:

Under the California State Constitution, owners of land subject to the proposed fee have the right to protest its adoption. If you have received this notice, one or more parcels under your ownership will be subject to the proposed fee. If the identified parcel has more than one record owner or renter, only one written protest will be counted. In the event of a majority protest, the fee will not be instituted. There is a 120-day statute of limitations for challenging any new, increased, or extended fee or charge.

Landowners desiring to protest the proposed CGA GSA fee should send their written protest prior to the public hearing to: Colusa Groundwater Authority GSA, c/o CGA GSA, PO BOX 475, Colusa, CA 95932, or in person at the public hearing on July 23, 2024, at 2:00 p.m., so long as the protest is received prior to the close of the public hearing. Protests submitted by e-mail, fax, or other electronic means are not valid and will not be counted as a protest.

There are multiple ways to obtain additional information about this topic:

- View more information online at [Colusa Groundwater Authority \(CGA\) | Groundwater Sustainability Agency](https://www.colusagsa.org/).
- Call the CGA GSA at 650-587-7300 X17.
- For more information about SGMA, see the California Department of Water Resources website: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management>.

*If you do not wish to protest the proposed CGA GSA Fee, you do not need to take any action.*

### COLUSA GROUNDWATER AUTHORITY GSA PROPOSITION 218 PROTEST FORM

To protest, complete and detach this portion of the Notice and mail to CGA GSA, P.O. Box 475, Colusa, CA 95932, OR submit in-person at the Public Hearing on July 23, 2024, 2:00 p.m., Colusa Industrial Properties, 110 Sunrise Blvd., Colusa, CA. All protests, filed by the parcel owner or authorized representative of the owner, must include:

- Landowner Printed Name(s): \_\_\_\_\_
- Assessor's Parcel Number: \_\_\_\_\_
- Statement of Protest: \_\_\_\_\_
- Valid Landowner Signature(s): \_\_\_\_\_

Each parcel is entitled to one protest. If a parcel has more than one owner, all must sign one protest form.

One Page  
Two-Sided

Page 1 in  
Prop. 218  
Mailer





# Colusa Groundwater Authority – Long Term Fee – Draft Proposition 218 Notice Mailer Pg 2

## COLUSA GROUNDWATER AUTHORITY GROUNDWATER SUSTAINABILITY AGENCY

### 2024 PROPOSITION 218 NOTICE FEE SUMMARY – COVER SHEET

[Owner Name 1]  
[Owner Name 2]  
[Address]  
[City, State, Zip]

#### PARCEL INFORMATION

User Class: [Groundwater]

APN: [APN]

Acres: [10 Acres]

Proposed Maximum Annual Fee: [\$62.10]

#### PARCEL RECATEGORIZATION

Parcels may be recategorized in accordance with the stated maximum fees in the Proposition 218 Notice by the GSA in response to an appeal by the landowner or by the GSA in accordance with the approved fee policy.

For more information on the Colusa Groundwater Authority GSA long-term fees visit our website: [Long-term Funding | Colusa Groundwater Authority \(CGA\)](#).



## JOIN US FOR -PUBLIC WORKSHOPS-

Funding Needs for  
**Groundwater Sustainability Plan (GSP) Implementation**  
*Hosted by the Colusa Groundwater Authority*

**JUNE 27, 2024**  
**6:00 PM**

Colusa Veteran's Hall  
1-99 E. Main St.  
Colusa, CA 95932

**JULY 1, 2024**  
**6:00 PM**

Sites Project Authority  
122 Old Highway 99W  
Maxwell, CA 95955

**JULY 2, 2024**  
**6:00 PM**

Arbuckle Fire Dept.  
506 Lucas St.  
Arbuckle, CA 95912

We need your input as the Groundwater Sustainability Agency (GSA) identifies future funding needs to implement the GSP and comply with the Sustainable Groundwater Management Act (SGMA).

Questions and input are encouraged! If you are unable to attend and want to be notified of other opportunities to provide input, please contact Carol Thomas-Keefer ([cthomaskeefer@rgs.ca.gov](mailto:cthomaskeefer@rgs.ca.gov), 650.587.7300, ext. 17).

For more information regarding the CGA: <https://colusagroundwater.org/>

Colusa Groundwater Authority | P.O. Box 475, Colusa, CA 95932 | 650.587.7300, ext. 17

Dates to be  
finalized by  
Ad-hoc  
Committee.

Slide 18

# Colusa Groundwater Authority – Long Term Fee – Draft Proposition 218 Notice Letter

Return address line 1  
Return address line 2  
Return address line 3  
Return address line 4

**IMPORTANT:**  
**CGA PROPOSITION 218 NOTICE INSIDE**



# Colusa Groundwater Authority – Long Term Fee Project Item Outline

## ITEM OUTLINE

- PROJECT SCHEDULE
- PRELIMINARY FEES
- PROPOSITION 218 NOTICE
- **NEXT STEPS**



# Colusa Groundwater Authority – Next Steps – Long Term Funding Project

## Action Items

1. Authorize Funding Ad-hoc Committee to finalize Proposition 218 Notices and mailer in coordination with legal counsel for inclusion in Final Fee Report.
2. Approve additional public workshops prior to Board consideration of fee approval.
3. Approve Final Fee Report at May Board meeting.

# Colusa Groundwater Authority – Long Term Fee Project Item Outline

EXTRA SLIDES

# Colusa Groundwater Authority – User Class Fee Structure (Preliminary Fees)

This fee option is considered the most equitable with the lowest GSA implementation costs.

<b>CGA Surface Water</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
Total Primary-SW Revenue Allocation	\$405,538	\$417,704	\$430,235	\$443,142	\$456,436
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<b>Proposed Primary-SW Fee (\$/ac)</b>	<b>\$1.59</b>	<b>\$1.64</b>	<b>\$1.69</b>	<b>\$1.74</b>	<b>\$1.79</b>
<b>Annualized Total SW Fee (\$/ac)</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>	<b>\$1.69</b>
<b>CGA Groundwater Only</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
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<b>Proposed Primary-GW Fee (\$/ac)</b>	<b>\$5.52</b>	<b>\$5.68</b>	<b>\$5.85</b>	<b>\$6.03</b>	<b>\$6.21</b>
<b>Annualized Total GW Fee (\$/ac)</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>	<b>\$5.86</b>
<b>CGA Non-Irrigable</b> 50/47.5/2.5% Cost Allocation Basis	<b>Year</b> FY24-25	<b>Year</b> FY25-26	<b>Year</b> FY26-27	<b>Year</b> FY27-28	<b>Year</b> FY28-29
Total GSA Revenue Needs (\$)	\$811,075	\$835,407	\$860,469	\$886,284	\$912,872
Total Non-Irrigable Revenue Allocation	\$20,277	\$20,885	\$21,512	\$22,157	\$22,822
Total Non-Irrigable Acreage	67,423	67,423	67,423	67,423	67,423
<b>Proposed Non-Irrigable Fee (\$/ac)</b>	<b>\$0.30</b>	<b>\$0.31</b>	<b>\$0.32</b>	<b>\$0.33</b>	<b>\$0.34</b>
<b>Annualized Total Non-Irrig Fee (\$/ac)</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>	<b>\$0.32</b>



## Colusa Groundwater Authority Board of Directors Meeting

April 23, 2024 | 1:30 p.m.

### AGENDA SUPPORT MATERIALS

#### AGENDA ITEM 5: Update on Temporary Water Rights Permit Application

Last fall, with assistance from the state Department of Water Resources and its consultant, MBK Engineers, Colusa Groundwater Authority submitted an application with the State Water Resources Control Board (SWRCB) for a 180-day Temporary Water Rights Permit. The proposed project would divert up to 6,000 acre-feet per year of excess flows from the Sacramento River through the Tehama-Colusa Canal into portions of Salt Creek and Elk Creek for groundwater recharge. Comments to the application were received from the California Department of Fish and Wildlife, and protests were received from the California Sportfishing Protection Alliance and from T&M King Farms. Although CGA provided responses to the two protests, certain issues raised by Mr. King, specifically water quality monitoring and sand bar mitigation, remain unresolved.

Ultimately, the SRWCB indicated that the diversion criteria proposed in the application would not be accepted, as only the existing “90/20” criteria can ensure protection of upstream uses when using the streamlined water availability analysis required for processing temporary permits. The 90<sup>th</sup> percentile/20 percent method requires that diversions must be capped at 20 percent of daily flows when flows are above the 90<sup>th</sup> percentile daily flow. However, under these conditions, downstream waterways are also likely to be inundated and would likely not accommodate the excess flows as planned for recharge. Consequently, CGA did not wish to accept the “90/20” criteria and did not move ahead with efforts to resolve the outstanding protest.

The period under which diversions could occur under the CGA application ended on March 31, 2024. Since the Water Board did not issue the permit, CGA could voluntarily withdraw the application or have the Water Board withdraw it. By submitting a voluntary withdrawal, CGA has the opportunity to place its comments and rationale for withdrawal on the record.

Upon advice of MBK representatives, CGA staff submitted its request to withdraw its application on April 19, 2024, and the Water Board staff acknowledged the withdrawal the same day.

#### **ATTACHMENT:**

- Email from CGA to Water Board withdrawing permit application T033405

## Carol Thomas-Keefer

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**From:** Carol Thomas-Keefer  
**Sent:** Friday, April 19, 2024 1:12 PM  
**To:** Brown, Greg@Waterboards  
**Cc:** Dustin Bohn; Darren Cordova; 'Darrin Williams (darrin@williamsfarms.net)'  
**Subject:** Withdrawal of Temp Water Right Application T033405

Dear Mr. Brown,

On behalf of the Colusa Groundwater Authority (CGA), the purpose of this email is to withdraw Temporary Water Right Application T033405. The record should reflect CGA's reasoning as to why Application T033405 is being withdrawn, as indicated below.

As background, Application T033405 was filed with the Division on October 31, 2023. The application was prepared concurrently with several conversations over a few months with Division staff regarding the details of the application, including to identify that alternative diversion criteria would be included with the application. The Division understood and identified that the alternative diversion criteria must include site-specific analysis that would be considered by the Division in the processing of the application. A detailed, site-specific water availability analysis for the proposed Alternative Diversion Criteria (Alt. Criteria) was prepared and submitted with the application.

Following public notice of Application T033405 by the Division, comments were received from the California Department of Fish and Wildlife (CDFW) and protests from other entities. A key item was identified by CDFW and two other protestants regarding the proposed Alt. Criteria; the remaining protest items had been or would be resolved or dismissed. CDFW suggested modifications to the proposed Alt. Criteria. CGA was agreeable to CDFW's modifications and was hopeful that the Division would be accepting of CDFW's expertise in environmental and fishery concerns relative to the proposed diversion criteria in the process to issue a permit upon Application T033405.

Within the time that followed CGA's acceptance of CDFW's modifications to the proposed alternative diversion criteria, other temporary water right permits for groundwater recharge were issued by the Division. It was noted that the diversion criteria included in those permits was based on the Division's 90/20 Method, even though the applicants proposed alternative diversion criteria. Subsequently, CGA requested a meeting with Division management to understand whether a permit issued upon Application T033405 would also include the 90/20 Method. On February 14, 2024, a meeting was held with Division management to discuss the potential approach for diversion criteria under a permit that may be issued upon CGA's Application T033405 and the associated reasoning. CGA was informed by Division management that due to similarities between the alternative diversion criteria proposed by CGA for Application T033405 and the diversion criteria proposed for the Sites Reservoir Application A025517X01, a permit issued upon Application T033405 would include the 90/20 Method. CGA informed Division management that the 90/20 Method would not be acceptable diversion criteria under Application T033405, as the effect would significantly limit diversions and essentially render the permit unusable. CGA identified that this was the reason for proposing the Alt. Criteria in Application T033405, which was signaled in discussions with the Division for months prior to filing the application. CGA presented the Division with data during the meeting to identify why the 90/20 Method would limit diversions. In addition, CGA identified that it was accepting CDFW's modifications to the proposed Alt. Criteria. Unfortunately, the Division provided no other feasible alternatives to CGA's proposed diversion criteria; and Division management expressed reluctance to invest any additional effort required to make definitive findings for or against the proposed diversion criteria. Instead, the Division opted to cite the existence of protests to the Sites Reservoir water right application as justification to not accept the Alt. Criteria. A follow-up meeting with the Division on February 15, 2024, did not

provide for progress on this issue. As a result, CGA's Board of Directors postponed further efforts to pursue a temporary permit pending any updates from the Division. As of March 31, 2024, which was the end of the proposed diversion season under Application T033405, Division management did not change their position regarding the 90/20 Method. Pursuant to request by the Division, CGA hereby requests to withdraw Application T033405.

For perspective, during the period of the proposed diversion season under Application T033405, which included December 1, 2023, through March 31, 2024, there was a total of approximately one day when diversions could have occurred under a permit issued with the 90/20 Method. In the case that the Division would have issued a permit with the diversion criteria proposed by CGA, as modified by CDFW, diversions could have occurred during a total of approximately 80 days within the proposed diversion season. CGA believes that those diversions could have occurred without injury to other legal users and without adverse impacts to the environment. In addition, CGA believes that those diversions would have recharged groundwater in order to improve groundwater levels and assist in meeting objectives under the Sustainable Groundwater Management Act for a portion of the Colusa groundwater subbasin.

CGA would like to identify that throughout the process to prepare, submit, and process Application T033405, the Department of Water Resources (DWR) provided significant assistance and support for the application. CGA is thankful for DWR's support and looks forward to coordinating with DWR for potential future groundwater recharge efforts. CGA also appreciates the efforts by Mike Conway and Greg Brown of Division staff, who were helpful in the preparation and processing of Application T033405.

Sincerely,

Carol Thomas-Keefer  
Program Manager  
Colusa Groundwater Authority

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## Colusa Groundwater Authority Board of Directors Meeting

April 23, 2024 | 1:30 p.m.

### AGENDA SUPPORT MATERIALS

#### AGENDA ITEM 6: GSP Update

##### **GSP Update: Water Year 2023 Annual Report**

The consultant team of Davids Engineering and Luhdorff & Scalmanini received and addressed various comments from CGA and GGA board members and staff on the Water Year 2023 Annual Report for the Colusa Subbasin. The final report was submitted to DWR on March 28, 2024, and public outreach meetings and/or webinars will be scheduled in the near future to review the report.

##### **GSP Update: GSP Revisions**

On October 26, 2023, the Department of Water Resources (DWR) issued a letter informing the Groundwater Sustainability Agencies (GSAs) of its determination of the Colusa Subbasin GSP to be “incomplete”. The letter outlined specific deficiencies and recommended corrective actions which include:

- a) Re-evaluation of the overdraft conditions in the Subbasin using the most recent data, and include projects and management actions to mitigate overdraft;
- b) Providing a more detailed explanation and justification of the sustainable management criteria for groundwater levels, particularly minimum thresholds and measurable objectives, and quantify the effects of those criteria on beneficial uses; and
- c) Providing a more detailed explanation and justification of sustainable management criteria, monitoring method, and projects and management actions related to land subsidence.

CGA and GGA staff have worked closely with the consultant team (Davids Engineering), legal counsel, and the Chairs of the CGA and GGA to strategize and develop the GSP revisions. This also includes preparation and discussion following consultation meetings with DWR, Joint TAC meetings, and Joint GSA Board meetings.

Using feedback from the Joint TAC, the consultant team presented approaches to the two GSA Boards for development of a domestic well mitigation program and a demand management program, as well as proposed recommendations for Groundwater Level Sustainable Management Criteria (SMC) and a monitoring network and basis of SMC for land subsidence.

On March 22, the two GSA boards gave general concurrence to the consultant team to continue developing the proposed approaches, subject to DWR comments at the upcoming March consultation meeting, and at the Joint Special Board Meeting on April 12, the two GSA boards approved the Memorandum of Understanding for development of a Domestic Well Mitigation Program, as well as a MOU for development of a Demand Management Program. On April 16, the draft revised GSP was made available for public review, and on April 19, 2024, CGA and GGA jointly held a special meeting and public hearing to receive public comment. The two GSA boards adopted the revised GSP following the public hearing. The Plan is now being finalized with the two approved MOUs included, and the document will be submitted to DWR no later than April 23, 2024. DWR representatives have indicated they hope to review the revised GSP and provide a new determination by the end of 2024.



## Colusa Groundwater Authority Board of Directors Meeting

April 23, 2024 | 1:30 p.m.

### AGENDA SUPPORT MATERIALS

#### AGENDA ITEM 7: DWR Staff Update

Mr. Brandon Davison or another DWR representative may provide an update on DWR activities.

#### AGENDA ITEM 8: Committee Reports

**8a. Technical Advisory Committee** – Bill Vanderwaal, Jim Wallace, Darrin Williams, Deke Dormer, Kate Dunlap

The CGA/GGA Joint TAC met on Friday, March 8, to provide feedback to the consultant team on proposed GSP revisions. The next meeting of the Joint TAC is scheduled for June 14, 2024.

**8b. Long Term Funding ad hoc Committee** –Darrin Williams, Jeff Moresco, Frank A. Nobriga, Hilary Reinhard

The ad hoc committee met with consultant LSCE on April 4, 2024, to review project status and discuss next steps. The committee will meet again with LSCE in May to review the draft fee report and discuss upcoming notifications to property owners regarding the proposed fees and Proposition 218 process.

## Colusa Groundwater Authority Board of Directors Meeting

April 23, 2024 | 1:30 p.m.

### AGENDA SUPPORT MATERIALS

#### AGENDA ITEM 9: Administrative Update

The Program Manager may provide updates on pending administrative or managerial matters.

#### AGENDA ITEM 10: CLOSED SESSION

Closed Session

- a. Conference with Legal Counsel (Gov't Code 54956.9) – existing litigation

*Aqualliance et al. v. Colusa Groundwater Authority, Glenn Groundwater Authority*  
Colusa County Superior Court – Case Number CV24584

*Aqualliance et al. v. Biggs-West Gridley Water District, et al.*  
Butte County Superior Court – Case Number 22CV00348

#### AGENDA ITEM 11: Report Out of Closed Session

The Attorney will provide a report on any reportable action taken in Closed Session.

#### AGENDA ITEM 12: Member Reports and Comments

#### INFORMATION ONLY

CGA Board Members and Alternates are encouraged to share information that may be relevant to the CGA. No action will be taken on any of these items.

**AGENDA ITEM 13: Next Meeting**

The next regular meeting of the CGA Board of Directors will be held on Tuesday, May 28, at 1:30 p.m.

**AGENDA ITEM 14: Adjourn**