



Yolo Subbasin Groundwater Agency

34274 State Highway 16, Woodland, CA 95695

(530) 662-3211

YSGA Executive Committee November 14, 2023, 1:00 – 2:00 p.m.

Hosted at Yolo County Flood Control & Water Conservation District
34274 State Highway 16, Woodland, CA 95695

AGENDA

1. **Call to Order**
2. **Adding Items to the Posted Agenda**- In order to add an item to the agenda, it must fit into one of the following categories: a) A majority determination that an emergency (as defined by the Brown Act) exists; or b) A 4/5ths determination that the need to take action that arose subsequent to the agenda being posted.
3. **Public Comment** - The public may address the Committee relating to matters within the YSGA's jurisdiction.
4. **Administrative Items** (Sicke)
 - a) [Approve October 19, 2023 Meeting Minutes](#), pages 3-4
 - b) [Review Financials: FY 2023-2024: 7/1-11/9/23](#), pages 5-12
 - c) Approve Payments*
5. **Update on YSGA GSP Implementation Actions:** Discussion Item (Sicke)
 - a) Water Conditions Update
 - b) Grant Funding Opportunities
 - c) Ad Hoc Drought Contingency Planning Committee – Well Permitting Process
 - d) Ad Hoc Committee for Reconsideration of Expense Allocation – Fee Study Process
6. **[Consideration: Recommend Board Authorize Proceeding with Project Initiation and Private Job Work Orders](#)**, pages 13-23
7. **Draft Agenda Items for November 20, 2023 Board of Directors Meeting**
 - a) 2024 Board Meeting Schedule: 1/22, 3/18, 6/17, 9/16, 11/18
 - b) Consent Items:
 - i. Meeting Minutes
 - ii. Financials
 - c) Executive Officer Report – RMW Fall 2023 Hydrograph and Summary of GSP Review and Corrective Actions
 - d) DWR / NCWA Update
 - e) Consideration: Fiscal Year 2023/2024 Budget: Approve Payments, Amendment, and Entering into Contracts
 - i. Approval of YCF&WCD Invoice (*draft* \$75,814)

- ii. Approval of EC's Recommendation to Authorize Proceeding with Project Initiation and Private Job Work Orders
- iii. Adopt Fiscal Year 2023/2024 Budget Amendment #1 (Audit & Westside IRWM - \$14,342.43) and Approve
- iv. Approval of SEI and Websoft Contracts (SGMA Implementation Grant)
- f) Consideration: Receive Presentation on Focus Areas Map and Consider Adoption
- g) Consideration: Approval of the *Draft* Hydrogeologist Report TM and Public Review
- h) Presentation: Update on Draft Well Permitting Procedures

8. Other Updates & Future Executive Committee Agenda Items

9. Next Executive Committee Meeting Date: December __, 2023

10. Adjourn

I declare under penalty of perjury that the foregoing agenda for this meeting of the Executive Committee for the Yolo Subbasin Groundwater Agency was posted by November 10, 2023 in the office located at 34274 State Highway 16, Woodland, CA and was available to the public during normal business hours.

Kristin Sicke
Executive Officer

* PAYMENTS:
Consero Solutions Invoice #1945: October Consulting Services: \$5,356.25
LedgerPro Bookkeeping Invoice #3141: October Bookkeeping Services: \$220.00
Downey Brand Invoice #592383: September Legal Services: \$6,355.00
YCFC&WCD Copies and Postage Reimbursement (\$214.55 + \$46.95) = \$261.50

Yolo Subbasin Groundwater Agency
MINUTES of Executive Committee (EC) Meeting
October 19, 2023, 12:00 p.m. – 1:00 p.m.
Hosted at YCFC&WCD Headquarters
34274 State Highway 16, Woodland

Present: Lee Smith, Dave Schaad, Kristin Sicke, Dotty Pritchard, Kurt Balasek, Elisa Sabatini, Sarah Leicht, Nathan Fisher

1. **Call to Order:** Meeting was called to order by Lee Smith at 12:00 pm.
2. **Adding Items to the Posted Agenda:** Kristin Sicke added one bill to the payments to approve table – LedgerPro Bookkeeping for bookkeeping services provided in September 2023 in the amount of \$420.
3. **Public Comment:** No comments.
4. **Administrative Items (Sicke):**
 - a) *September 28, 2023 meeting minutes* were approved.
 - b) *Reviewed financials: FY 2023-2024: 9/15 – 10/16/23:* Financials were provided with the agenda packet.
 - c) *Payments to approve:* Payments were provided with the agenda packet, including the verbal addition of approving LedgerPro Bookkeeping invoice for September services in the amount of \$420.

Kurt Balasek moved to approve administrative items a) and c) which was seconded by David Schaad and approved unanimously.

5. **Update on YSGA GSP Implementation Actions:** Discussion Item (Sicke)
 - a) *Water Conditions Update:* There are still some representative wells missing from the fall measurements. Kristin provided an update on the average groundwater levels from the YCFC&WCD monitoring network.
 - b) *Grant Funding Opportunities:* The USBR Applied Science Grant has been submitted and the announcement of award is expected in Spring 2024. Consero will begin working to prioritize additional projects and help Kristin establish Management Area Advisory Committees.
 - c) *Ad Hoc Drought Contingency Planning Committee:* The Executive Committee discussed the slides sent out for the Ad Hoc Drought Contingency Planning Committee scheduled for later today.
 - d) *Ad Hoc Committee for Reconsideration of Expense Allocation:* Kristin had a recent conversation with Rebecca Smith. The Ad Hoc Committee has a meeting next Wednesday (11/25) to start discussing governance.
6. **October 27, 2023 Special Board of Directors Meeting Draft Agenda Items**
 - a) Executive Officer Update – TNC Partnership. The Committee provided feedback to work out a scope in writing and consider executing an informal agreement.
 - b) Consideration: Approval of *Draft YSGA Areas of Special Concern Map & Public Review*
 - c) Brief Review of Hydrogeology Report Standardized Criteria

7. **Other Updates & Future Executive Committee Agenda Items:** Mary Vixie Sandy will resume the District 3 position as Supervisor until the March 2024 election. Lee requested a presentation from Legal Counsel on the YSGA’s authority as a GSA.

Yolo Subbasin Groundwater Agency
MINUTES of Executive Committee (EC) Meeting
October 19, 2023, 12:00 p.m. – 1:00 p.m.
Hosted at YCFC&WCD Headquarters
34274 State Highway 16, Woodland

8. **Next Executive Committee Meeting Date:** November 14, 2023 at 1:00 pm.

9. **Adjourned** at 12:58 pm.

Respectfully submitted,



Kristin Sicke
Executive Officer

DRAFT

Yolo Subbasin Groundwater Agency

Budget vs Actual

July 1 through November 9, 2023

	Jul 1 - Nov 9, 23	Budget	% of Budget
Ordinary Income/Expense			
Income			
4000 · Member Contributions-Municipal	160,000.00	160,000.00	100.0%
4100 · Member Contributions-Rural	237,841.50	257,842.00	92.2%
4200 · Member Contributions-Affiliates	65,170.00	65,170.00	100.0%
4700 · Well Permitting Regulatory Fees	2,472.00	10,000.00	24.7%
4900 · Interest Income	1.43	12,000.00	0.0%
Total Income	465,484.93	505,012.00	92.2%
Expense			
5100 · Bank & Other Fees	25.00	1,500.00	1.7%
5300 · Insurance-General & Auto	592.25	2,500.00	23.7%
5500 · Membership Dues	0.00	3,000.00	0.0%
7000 · Admin. Expenses	562.45	5,000.00	11.2%
7100 · Project Mgmt-SGMA Implementatio	66,560.06	260,000.00	25.6%
7125 · Buckeye Creek Recharge Project	0.00	8,863.00	0.0%
7200 · Consultant Services	44,117.50	200,000.00	22.1%
7300 · Legal Services	7,540.50	20,000.00	37.7%
7350 · Audit Services - Financial	7,800.00	15,300.00	51.0%
7400 · GSP - Related Consultant Costs	0.00	75,000.00	0.0%
7600 · YC Groundwater Monitor Program	8,230.00	90,000.00	9.1%
7700 · GSP Verif in Well Permit Review	1,333.80	10,000.00	13.3%
Total Expense	136,761.56	691,163.00	19.8%
Net Ordinary Income	328,723.37	-186,151.00	-176.6%
Net Income	328,723.37	-186,151.00	-176.6%

Yolo Subbasin Groundwater Agency

Balance Sheet

As of November 9, 2023

	<u>Nov 9, 23</u>
ASSETS	
Current Assets	
Checking/Savings	
1000 · 1st Northern-Checking	53,993.70
1010 · 1st Northern-Savings	5,669.05
1020 · Yolo County Treasury	1,281,457.98
Total Checking/Savings	<u>1,341,120.73</u>
Accounts Receivable	
1100 · Accounts Receivable	24,896.75
Total Accounts Receivable	<u>24,896.75</u>
Other Current Assets	
1200 · Undeposited Funds	9,670.00
Total Other Current Assets	<u>9,670.00</u>
Total Current Assets	<u>1,375,687.48</u>
TOTAL ASSETS	<u>1,375,687.48</u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · Accounts Payable	103,307.32
Total Accounts Payable	<u>103,307.32</u>
Total Current Liabilities	<u>103,307.32</u>
Total Liabilities	103,307.32
Equity	
3000 · Unassigned Fund Balance	-24,000.00
3010 · Nonspendable Fund Balance	492.00
3300 · Assigned Fund Balance	24,000.00
3200 · Retained Earnings	943,164.79
Net Income	328,723.37
Total Equity	<u>1,272,380.16</u>
TOTAL LIABILITIES & EQUITY	<u>1,375,687.48</u>

Yolo Subbasin Groundwater Agency

Profit & Loss

11/09/23

July 1 through November 9, 2023

Accrual Basis

	Jul 23	Aug 23	Sep 23	Oct 23	Nov 1 - 9, 23	TOTAL
Ordinary Income/Expense						
Income						
4000 · Member Contributions-Municipal	160,000.00	0.00	0.00	0.00	0.00	160,000.00
4100 · Member Contributions-Rural	237,841.50	0.00	0.00	0.00	0.00	237,841.50
4200 · Member Contributions-Affiliates	65,170.00	0.00	0.00	0.00	0.00	65,170.00
4700 · Well Permitting Regulatory Fees	350.00	22.00	1,750.00	0.00	350.00	2,472.00
4900 · Interest Income	0.00	0.00	1.43	0.00	0.00	1.43
Total Income	463,361.50	22.00	1,751.43	0.00	350.00	465,484.93
Expense						
5100 · Bank & Other Fees	0.00	0.00	0.00	0.00	25.00	25.00
5300 · Insurance-General & Auto	492.25	100.00	0.00	0.00	0.00	592.25
7000 · Admin. Expenses	15.84	3.15	496.51	46.95	0.00	562.45
7100 · Project Mgmt-SGMA Implementatio	591.25	0.00	65,968.81	0.00	0.00	66,560.06
7200 · Consultant Services	11,751.25	14,912.50	11,877.50	5,576.25	0.00	44,117.50
7300 · Legal Services	500.00	685.50	6,355.00	0.00	0.00	7,540.50
7350 · Audit Services - Financial	7,800.00	0.00	0.00	0.00	0.00	7,800.00
7600 · YC Groundwater Monitor Program	0.00	0.00	8,230.00	0.00	0.00	8,230.00
7700 · GSP Verif in Well Permit Review	0.00	0.00	1,333.80	0.00	0.00	1,333.80
Total Expense	21,150.59	15,701.15	94,261.62	5,623.20	25.00	136,761.56
Net Ordinary Income	442,210.91	-15,679.15	-92,510.19	-5,623.20	325.00	328,723.37
Net Income	442,210.91	-15,679.15	-92,510.19	-5,623.20	325.00	328,723.37

**Yolo Subbasin Groundwater Agency
Transaction List by Date
September 30 through November 9, 2023**

Type	Date	Num	Name	Memo	Account	Cir	Split	Amount
Sep 30 - Nov 9, 23								
Bill	09/30/2023	1936	Consero Solutions	Sep SGA Work & Subcontracted EEC Services	2000 · Accounts Payable		7200 · Consultant Services	-11,457.50
Bill	09/30/2023	3141	LedgerPro Bookkeeping	Bookkeeping services provided in September	2000 · Accounts Payable		7200 · Consultant Services	-420.00
Bill	09/30/2023	2023.0930	Yolo County Flood Control & WCD	Expenses 07/01/2023 - 09/30/2023	2000 · Accounts Payable		-SPLIT-	-75,814.57
Bill	09/30/2023	YSGA Expenses	Yolo County Flood Control & WCD	Copies & Postage 9/1 - 9/30/2023	2000 · Accounts Payable		7000 · Admin. Expenses	-214.55
Bill	09/30/2023	592383	Downey Brand LLP	Services rendered through September 30, 2023	2000 · Accounts Payable		7300 · Legal Services	-6,355.00
Deposit	09/30/2023			Deposit	1020 · Yolo County Treasury	X	4700 · Well Permitting Regulatory Fees	700.00
Deposit	10/02/2023			Deposit	1020 · Yolo County Treasury	X	-SPLIT-	71,519.25
Payment	10/05/2023	ACH 18028	Reclamation District 730		1200 · Undeposited Funds	X	1100 · Accounts Receivable	2,249.00
Deposit	10/05/2023			Deposit	1000 · 1st Northern-Checking	X	1200 · Undeposited Funds	2,249.00
Payment	10/10/2023	19358	Reclamation District 2035		1200 · Undeposited Funds	X	1100 · Accounts Receivable	9,500.00
Payment	10/12/2023	ACH 18115	County of Yolo		1200 · Undeposited Funds	X	1100 · Accounts Receivable	40,000.00
Deposit	10/12/2023			Deposit	1000 · 1st Northern-Checking	X	1200 · Undeposited Funds	40,000.00
Bill Pmt -Check	10/20/2023	301	Consero Solutions	Sep SGA Work & Subcontracted EEC Services	1000 · 1st Northern-Checking	X	2000 · Accounts Payable	-11,457.50
Bill Pmt -Check	10/20/2023	302	LedgerPro Bookkeeping	Bookkeeping services provided in September	1000 · 1st Northern-Checking	X	2000 · Accounts Payable	-420.00
Bill	10/31/2023	YSGA Expenses	Yolo County Flood Control & WCD	Copies & Postage 10/1 - 10/31/2023	2000 · Accounts Payable		7000 · Admin. Expenses	-46.95
Bill	10/31/2023	1945	Consero Solutions	Oct SGA Work & Subcontracted EEC Services	2000 · Accounts Payable		7200 · Consultant Services	-5,356.25
Bill	10/31/2023	3149	LedgerPro Bookkeeping	Bookkeeping services provided in October	2000 · Accounts Payable		7200 · Consultant Services	-220.00
Payment	11/03/2023	7035024	Rumsey Water Users Association		1200 · Undeposited Funds	X	1100 · Accounts Receivable	170.00
Deposit	11/06/2023			Deposit	1020 · Yolo County Treasury		4700 · Well Permitting Regulatory Fees	350.00
Check	11/08/2023	EFT	First Northern Bank	Annual Fee for Non-Signer Access {Bookkeeper}	1000 · 1st Northern-Checking		5100 · Bank & Other Fees	-25.00
Sep 30 - Nov 9, 23								

Yolo Subbasin Groundwater Agency
Statement of Cash Flows
 July 1 through November 9, 2023

	Jul 1 - Nov 9, 23
OPERATING ACTIVITIES	
Net Income	328,723.37
Adjustments to reconcile Net Income to net cash provided by operations:	
1100 · Accounts Receivable	-24,896.75
1150 · Prepaid Insurance	492.25
2000 · Accounts Payable	7,415.11
Net cash provided by Operating Activities	311,733.98
Net cash increase for period	311,733.98
Cash at beginning of period	1,039,056.75
Cash at end of period	1,350,790.73

**Yolo Subbasin Groundwater Agency
Open Invoices
As of November 9, 2023**

Type	Date	Num	P. O. #	Name	Terms	Due Date	Aging	Open Balance
Colusa Drain Mutual Water Comany								
Invoice	07/07/2023	2023-6		Colusa Drain Mutual Water Comany	50% Invoice Due ...	01/27/2024		5,000.00
Total Colusa Drain Mutual Water Comany								5,000.00
Madison Community Service District								
Invoice	07/07/2023	2023-11		Madison Community Service District	Net 30	08/06/2023	95	5,000.00
Total Madison Community Service District								5,000.00
Reclamation District 150								
Invoice	07/07/2023	2023-27		Reclamation District 150	Net 30	08/06/2023	95	2,146.50
Total Reclamation District 150								2,146.50
Reclamation District 1600								
Invoice	07/07/2023	2023-14		Reclamation District 1600	50% Invoice Due ...	01/27/2024		1,731.00
Total Reclamation District 1600								1,731.00
Reclamation District 2035								
Invoice	07/07/2023	2023-16		Reclamation District 2035	50% Invoice Due ...	01/27/2024		9,500.00
Total Reclamation District 2035								9,500.00
Reclamation District 537								
Invoice	07/07/2023	2023-17		Reclamation District 537	50% Invoice Due ...	01/27/2024		1,519.25
Total Reclamation District 537								1,519.25
TOTAL								24,896.75

Yolo Subbasin Groundwater Agency
A/P Aging Summary
 As of November 9, 2023

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
Consero Solutions	5,356.25	0.00	0.00	0.00	0.00	5,356.25
Downey Brand LLP	6,355.00	0.00	0.00	0.00	0.00	6,355.00
LedgerPro Bookkeeping	0.00	220.00	0.00	0.00	0.00	220.00
Richardson & Company LLP	7,800.00	0.00	0.00	0.00	7,500.00	15,300.00
Yolo County Flood Control & WCD	75,861.52	214.55	0.00	0.00	0.00	76,076.07
TOTAL	<u>95,372.77</u>	<u>434.55</u>	<u>0.00</u>	<u>0.00</u>	<u>7,500.00</u>	<u>103,307.32</u>

Yolo Subbasin Groundwater Agency Upcoming Cash Requirements As of November 9, 2023

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Due Date</u>	<u>Aging</u>	<u>Open Balance</u>
Current								
	Bill	10/31/2023	1945	Consero Solutions	Oct SGA Work & Subcontracted EEC Services	11/10/2023		5,356.25
	Bill	09/30/2023	592383	Downey Brand LLP	Services rendered through September 30, 2023	11/25/2023		6,355.00
	Bill	09/30/2023	2023.0930	Yolo County Flood Control & WCD	Expenses 07/01/2023 - 09/30/2023	11/30/2023		75,814.57
	Bill	10/31/2023	YSGA Expenses	Yolo County Flood Control & WCD	Copies & Postage 10/1 - 10/31/2023	11/30/2023		46.95
	<i>Bill</i>	<i>07/01/2023</i>	<i>FY2023</i>	<i>Richardson & Company LLP</i>	<i>Audit services not to exceed \$7,800.00 for FY 2023</i>	<i>12/31/2023</i>		<u>7,800.00</u>
Total Current								95,372.77
1 - 30								
	Bill	09/30/2023	YSGA Expenses	Yolo County Flood Control & WCD	Copies & Postage 9/1 - 9/30/2023	10/10/2023	30	214.55
	Bill	10/31/2023	3149	LedgerPro Bookkeeping	Bookkeeping services provided in October	10/31/2023	9	<u>220.00</u>
Total 1 - 30								434.55
31 - 60								
Total 31 - 60								
61 - 90								
Total 61 - 90								
> 90								
	<i>Bill</i>	<i>06/30/2023</i>	<i>FY2022</i>	<i>Richardson & Company LLP</i>	<i>Audit services for FY2022 not to exceed \$7,500</i>	<i>06/30/2023</i>	<i>132</i>	<u>7,500.00</u>
Total > 90								<u>7,500.00</u>
TOTAL								<u><u>103,307.32</u></u>

Current Cash Balance {Checking Only}	53,993.70
Richardson invoices not yet received - Audit not yet complete Dated to reflect consistency with reporting years	(34,013.62)
Ending Cash Balance After Paying Bills Actually Owed	
Desired Reserve in Checking/Savings (Per Assigned Fund Balance)	24,000.00
Ending Cash Reserve or (Transfer Needed)	(58,013.62)



Yolo Subbasin Groundwater Agency
Groundwater Sustainability Agency

34274 State Highway 16 ▪ Woodland, CA 95695 ▪ 530.662.3211 ▪ www.yologroundwater.org

STAFF MEMO

Date: November 9, 2023
To: YSGA Executive Committee
From: Kristin Sicke, Executive Officer
Subject: **Recommend to Board Authorization to Proceed with Project Initiation and Private Job Work Orders**

Recommendation:

The Executive Committee recommends Board of Directors to authorize the Executive Officer to authorize three Private Job Work Orders with the Yolo County Flood Control & Water Conservation District (YCFC&WCD) for the completion of the multi-completion monitoring wells known as the Chapman Well, Forbes Well, and Road 13 Well projects.

Background:

In May 2023, the Executive Officer executed an agreement with the California Department of Water Resources for the construction of three multi-completion monitoring wells in the Yolo Subbasin under the Technical Support Services Program. The three wells are sited at [Chapman Reservoir](#), [Forbes Ranch](#), and [County Road 13](#). All three sites have been constructed and are ready for the installation of real-time monitoring equipment.

The entire project has an estimated total cost of \$942,126; \$899,685 of which is being funded by DWR, as shown in the table below:

Budget Category	DWR Contribution	GSA Contribution	Totals
1 – Site Clearances	\$26,000	\$2,172	\$28,172
2 – Permitting	\$12,000	\$2,654	\$14,654
3 – Construction Activities	\$817,643	\$1,225	\$818,868
4 – Data Collection	\$10,000	\$28,890	\$38,890
5 – Other Field Activities	\$26,042	\$7,500	\$33,542
6 – Final Reporting	\$8,000	\$0	\$8,000
TOTALS	\$899,685	\$42,441	\$942,126

The installation of real-time monitoring equipment is expected to cost approximately \$47,670; including \$31,685 in labor and equipment funded by the YSGA and \$15,985 in equipment provided by DWR. The labor and equipment funded by the YSGA will allow the wells to be incorporated into the real-time monitoring network through YCFC&WCD’s existing SCADA network, using staff expertise and more robust technology than can be provided by DWR.

YCFC&WCD has offered a private job proposal to perform the work for YSGA on a time and materials basis not to exceed \$31,685.

Authorization of the attached Private Job Work Orders will authorize the Executive Officer to reimburse YCFC&WCD up to \$31,685 for labor and equipment to complete instrumentation of the well sites. If authorized, funds will be expended from the YSGA Groundwater Monitoring Program budget line item; \$8,230 of the budgeted \$90,000 in the adopted FY 2024 Budget has been expended as of September 30, 2023 (and will be included in the request for approval in payment of bills in the upcoming November 20 Board meeting).



**YOLO COUNTY FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

PRIVATE JOB WORK ORDER

Bill To: Yolo Subbasin Groundwater Agency
Address: 34274 Highway 16, Woodland, CA 95695
Phone #: 530-662-3211
Project Name: Chapman Well Real-Time Monitoring Installation
Project Location: Near Chapman Reservoir Outlet
Private Job Number:
Project Start Date: 11/15/2023
Estimated Project Cost: \$7,435
Project Manager: Tim Ireland

Project Description:

I request the Yolo County Flood Control and Water Conservation District to Perform the following work:

Build and install monitoring system for the existing multi-completion monitoring well near Chapman Reservoir outlet. This monitoring system will connect to the existing SCADA site at the reservoir outlet for power and communication. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase four well level sensors for this project.

I AGREE TO PAY FOR THE REQUESTED WORK AS FOLLOWS:

- 50% Down Payment is required
- Final Payment when job is completed
- 30 days from billing date

Signature _____
Title _____
Date _____

Approved _____
General Manager

Accounts become delinquent 30 days from date mailed. Delinquent accounts are charged a finance charge of 1.5% per month.



**Yolo County Flood Control & Water Conservation District
Project INITIATION & COST ESTIMATE Form**

Project Name: Chapman Well Real-Time Monitoring Site Installation
Date of Form Submittal: 11/7/2023
Project Requested by: Tim Ireland
Project Location: Near Chapman Reservoir Outlet
Job Number: _____

Project Type (check all that apply):

- Facilities
- Operation & Maintenance
- Water & Environmental Resources
- Engineering
- Administration

- Large Capital
- Small Capital
- Expense

- Construction
- Study

Project to be Performed by:

- District staff
- External consultant/contractor
- Combination of District staff and external consultant/contractor

Project Manager: Tim Ireland
Consultant Contact: _____
Contractor Contact: _____

Est. Total Project Cost: \$7,435.00
Cost Share to bill: _____
Est. Project Schedule: 2 Weeks

Project Description:

Build and install monitoring system for the existing multi-completion monitoring well near Chapman Reservoir outlet. This monitoring system will connect to the existing SCADA site at the reservoir outlet for power and communication. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase four well level sensors for this project.

Chapman Well Real-Time Monitoring Well Installation

11/7/2023

Parts and Labor Estimate for Installing Solar Powered Real-Time Well Monitoring Site

Item Description	YSGA Quantity	DWR Quantity	Unit Price	YSGA Total	DWR Total	Total
Electrical Panel						
Custom Built Electrical Panel by YCFCWCD	1	0	\$1,200	\$1,200	\$0	\$1,200
Water Level Sensors						
Level Sensor for 0-200ft H2O, 250ft Cord (Keller Acculevel 0507.01107.051325.13)	0	4	\$938	\$0	\$3,750	\$3,750
Sensor Sink Weight (Keller 900001.0033)	0	4	\$28	\$0	\$112	\$112
Equipment Pole, Grounding and Conduit						
Equipment Enclosure Mount (custom)	1	0	\$150	\$150	\$0	\$150
Conduit and fittings	1	0	\$150	\$150	\$0	\$150
Equipment						
Pickup Truck	7	0	\$42	\$294	\$0	\$294
Hardware Total Estimate				\$1,500	\$3,862	\$5,362
Equipment Total				\$294	\$0	\$294
Labor Total Estimate				\$4,000	\$0	\$4,000
Labor Contingency (10%)				\$400		
Overhead (20%)				\$1,239		
Total Estimate				\$7,433	\$3,862	\$11,295



**YOLO COUNTY FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

PRIVATE JOB WORK ORDER

Bill To: Yolo Subbasin Groundwater Agency
Address: 34274 Highway 16, Woodland, CA 95695
Phone #: 530-662-3211
Project Name: Forbes Well Real-Time Monitoring Installation
Project Location: East end of Forbes Ranch
Private Job Number:
Project Start Date: 11/15/2023
Estimated Project Cost: \$13,185
Project Manager: Tim Ireland

Project Description:

I request the Yolo County Flood Control and Water Conservation District to Perform the following work:

Build and install solar powered monitoring system for the existing multi-completion monitoring well at the East end of Forbes Ranch. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase four well level sensors and one radio system for this project.

I AGREE TO PAY FOR THE REQUESTED WORK AS FOLLOWS:

- 50% Down Payment is required
- Final Payment when job is completed
- 30 days from billing date

Signature _____
Title _____
Date _____

Approved _____
General Manager

Accounts become delinquent 30 days from date mailed. Delinquent accounts are charged a finance charge of 1.5% per month.



**Yolo County Flood Control & Water Conservation District
Project INITIATION & COST ESTIMATE Form**

Project Name: Forbes Well Real-Time Monitoring Site Installation
Date of Form Submittal: 11/7/2023
Project Requested by: Tim Ireland
Project Location: East end of Forbes Ranch
Job Number: _____

Project Type (check all that apply):

- Facilities
- Operation & Maintenance
- Water & Environmental Resources
- Engineering
- Administration

- Large Capital
- Small Capital
- Expense

- Construction
- Study

Project to be Performed by:

- District staff
- External consultant/contractor
- Combination of District staff and external consultant/contractor

Project Manager: Tim Ireland
Consultant Contact: _____
Contractor Contact: _____

Est. Total Project Cost: \$13,185.00
Cost Share to bill: _____
Est. Project Schedule: _____

Project Description:

Build and install solar powered monitoring system for the existing multi-completion monitoring well at the East end of Forbes Ranch. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase four well level sensors and one radio system for this project.

Forbes Well Real-Time Monitoring Well Installation

11/7/2023

Parts and Labor Estimate for Installing Solar Powered Real-Time Well Monitoring Site

Item Description	YSGA Quantity	DWR Quantity	Unit Price	YSGA Total	DWR Total	Total
Electrical Panel						
Custom Built Electrical Panel by BAT Electric	1	0	\$4,936	\$4,936	\$0	\$4,936
Power System (spare parts)						
140 Watt, 12v Solar Panel (Ameresco BSP140-12)	1	0	\$233	\$233	\$0	\$0
Solar Panel Mount (Tamarack UNI-SP/01A)	1	0	\$82	\$82	\$0	\$0
Solar Panel Mount Knee Brace (Tamarack SP-KNBR-001)	1	0	\$64	\$64	\$0	\$0
100 AH Sealed Battery	1	0	\$333	\$333	\$0	\$0
Radio System						
Trio-Q Radio (Schneider-Electric TBURQR4HH-F00E2L00)	0	1	\$1,710	\$0	\$1,710	\$1,710
Yagi Antenna (Schneider-Electric TBUMANTY-06-4CM)	0	1	\$447	\$0	\$447	\$447
10ft Coaxial Cable (Schneider-Electric TBUMRFANT-10F3M-A)	0	1	\$105	\$0	\$105	\$105
3ft Coaxial Jumper (Schneider-Electric TBUMRFJP-N-N-1M)	0	1	\$93	\$0	\$93	\$93
Surge Arrestor (Schneider-Electric TBUMLT-ARRES-TYPEA)	0	1	\$162	\$0	\$162	\$162
Water Level Sensors						
Level Sensor for 0-200ft H2O, 225ft Cord (Keller Acculevel 0507.01107.051324.13)	0	4	\$896	\$0	\$3,585	\$3,585
Sensor Sink Weight (Keller 900001.0033)	0	4	\$28	\$0	\$112	\$112
Equipment Pole, Grounding and Conduit						
Ground Rod, Ground Clamp and #6 Stranded Conductor	1	0	\$50	\$50	\$0	\$50
Radio Mast	1	0	\$150	\$150	\$0	\$150
Equipment Pole with Base	1	0	\$150	\$150	\$0	\$150
Equipment Enclosure Mount (custom)	1	0	\$100	\$100	\$0	\$100
Concrete	1	0	\$20	\$20	\$0	\$20
Conduit and fittings	1	0	\$150	\$150	\$0	\$150
Equipment						
Pickup Truck	6	0	\$42	\$252	\$0	\$252
Boom Truck	1	0	\$63	\$63	\$0	\$63
Hardware Total Estimate				\$6,269	\$6,214	\$11,770
Equipment Total				\$315	\$0	\$315
Labor Total Estimate				\$4,000	\$0	\$4,000
Labor Contingency (10%)				\$400		
Overhead (20%)				\$2,197		
Total Estimate				\$13,181	\$6,214	\$19,395



**YOLO COUNTY FLOOD CONTROL & WATER
CONSERVATION DISTRICT**

PRIVATE JOB WORK ORDER

Bill To: Yolo Subbasin Groundwater Agency
Address: 34274 Highway 16, Woodland, CA 95695
Phone #: 530-662-3211
Project Name: Road 13 Well Real-Time Monitoring Installation
Project Location:
Private Job Number:
Project Start Date: 11/15/2023
Estimated Project Cost: \$11,065
Project Manager: Tim Ireland

Project Description:

I request the Yolo County Flood Control and Water Conservation District to Perform the following work:

Build and install solar powered monitoring system for the existing multi-completion monitoring well at the West end of CR13. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase three well level sensors and one radio system for this project.

I AGREE TO PAY FOR THE REQUESTED WORK AS FOLLOWS:

- 50% Down Payment is required
- Final Payment when job is completed
- 30 days from billing date

Signature _____
Title _____
Date _____

Approved _____
General Manager

Accounts become delinquent 30 days from date mailed. Delinquent accounts are charged a finance charge of 1.5% per month.



**Yolo County Flood Control & Water Conservation District
Project INITIATION & COST ESTIMATE Form**

Project Name: Road 13 Well Real-Time Monitoring Installation
Date of Form Submittal: 11/7/2023
Project Requested by: Tim Ireland
Project Location: End of CR13, 1/4 mile South
Job Number: _____

Project Type (check all that apply):

- Facilities
- Operation & Maintenance
- Water & Environmental Resources
- Engineering
- Administration

- Large Capital
- Small Capital
- Expense

- Construction
- Study

Project to be Performed by:

- District staff
- External consultant/contractor
- Combination of District staff and external consultant/contractor

Project Manager: Tim Ireland
Consultant Contact: _____
Contractor Contact: _____

Est. Total Project Cost: \$11,065.00
Cost Share to bill: _____
Est. Project Schedule: _____

Project Description:

Build and install solar powered monitoring system for the existing multi-completion monitoring well at the West end of CR13. This project will be completed by YCFCWCD staff for YSGA in partnership with DWR. DWR's Technical Support Services (TSS) funded the installation of the monitoring well and will also fund and purchase three well level sensors and one radio system for this project.

Road 13 Well Real-Time Monitoring Well Installation

11/7/2023

Parts and Labor Estimate for Installing Solar Powered Real-Time Well Monitoring Site

Item Description	YSGA Quantity	DWR Quantity	Unit Price	YSGA Total	DWR Total	Total
Electrical Panel						
Custom Built Electrical Panel by BAT Electric in 2018 (from inventory)	1	0	\$3,130	\$3,130	\$0	\$3,130
Power System (spare parts)						
140 Watt, 12v Solar Panel (Ameresco BSP140-12)	1	0	\$233	\$233	\$0	\$0
Solar Panel Mount (Tamarack UNI-SP/01A)	1	0	\$82	\$82	\$0	\$0
Solar Panel Mount Knee Brace (Tamarack SP-KNBR-001)	1	0	\$64	\$64	\$0	\$0
100 AH Sealed Battery	1	0	\$333	\$333	\$0	\$0
Radio System						
Trio-Q Radio (Schneider-Electric TBURQR4HH-F00E2L00)	0	1	\$1,710	\$0	\$1,710	\$1,710
Yagi Antenna (Schneider-Electric TBUMANTY-06-4CM)	0	1	\$447	\$0	\$447	\$447
10ft Coaxial Cable (Schneider-Electric TBUMRFANT-10F3M-A)	0	1	\$105	\$0	\$105	\$105
3ft Coaxial Jumper (Schneider-Electric TBUMRFJP-N-N-1M)	0	1	\$93	\$0	\$93	\$93
Surge Arrestor (Schneider-Electric TBUMLT-ARRES-TYPEA)	0	1	\$162	\$0	\$162	\$162
Water Level Sensors						
Level Sensor for 0-200ft H2O, 300ft Cord (Keller Acculevel 0507.01107.051327.13)	0	1	\$1,020	\$0	\$1,020	\$1,020
Level Sensor for 0-200ft H2O, 350ft Cord (Keller Acculevel 0507.01107.051329.13)	0	1	\$1,103	\$0	\$1,103	\$1,103
Level Sensor for 0-200ft H2O, 400ft Cord (Keller Acculevel 0507.01107.051331.13)	0	1	\$1,185	\$0	\$1,185	\$1,185
Sensor Sink Weight (Keller 900001.0033)	0	3	\$28	\$0	\$84	\$84
Equipment Pole, Grounding and Conduit						
Ground Rod, Ground Clamp and #6 Stranded Conductor	1	0	\$50	\$50	\$0	\$50
Radio Mast	1	0	\$150	\$150	\$0	\$150
Equipment Pole with Base	1	0	\$150	\$150	\$0	\$150
Equipment Enclosure Mount (custom)	1	0	\$100	\$100	\$0	\$100
Concrete	1	0	\$20	\$20	\$0	\$20
Conduit and fittings	1	0	\$150	\$150	\$0	\$150
Equipment						
Pickup Truck	7	0	\$42	\$294	\$0	\$294
Boom Truck	1	0	\$63	\$63	\$0	\$63
Hardware Total Estimate				\$4,463	\$5,909	\$9,658
Equipment Total				\$357	\$0	\$357
Labor Total Estimate				\$4,000	\$0	\$4,000
Labor Contingency (10%)				\$400		
Overhead (20%)				\$1,844		
Total Estimate				\$11,064	\$5,909	\$16,972