

## REGULAR BOARD MEETING AGENDA

5:30 PM Wednesday, November 15<sup>th</sup>, 2023  
UPUD Headquarters | 339 Main Street, Murphys, CA 95247

### OUR MISSION

*Union Public Utility District is dedicated to protecting, enhancing, and developing our water resources to the highest beneficial use for our customers, while maintaining cost-conscious, reliable service and providing gainful employment through responsible management.*

**Board Chambers are open to the public and the following alternative is available to members of the public who wish to participate in the meeting virtually:**

### Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Meeting ID: 295 169 403 071

Passcode: NVQKZK

[Download Teams](#) | [Join on the web](#)

### Or call in (audio only)

+1 209-729-7215,181478498#

Phone Conference ID: 181 478 498#

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Administration Office at 209-728-3651. Notification in advance of the meeting will enable UPUD to make reasonable arrangements to ensure accessibility to this meeting. Any documents that are made available to the Board before or at the meeting, not privileged or otherwise protected from disclosure, and related to agenda items, will be made available at UPUD for review by the public.

## ORDER OF BUSINESS

### CALL TO ORDER/THE PLEDGE OF ALLEGIANCE

1. ROLL CALL
2. APPROVAL OF AGENDA

**3. CLOSED SESSION:**

- a. Conference with Legal Counsel – Consider initiation of Litigation (Gov. Code 54956.9(d)(4)): one case

**4. REPORT ON CLOSED SESSION**

**5. PUBLIC COMMENT:**

**\*\*\* Public Comment will not start earlier than 6:00 pm \*\*\***

(LIMIT 5 MINUTES PER PERSON) Members of the public may address the Board on items not agendized. The public is encouraged to contact the General Manager or Board of Directors for consideration of items to be placed on the agenda. No action will be taken by the Board unless an item is agendized.

**6. CONSENT AGENDA:**

- a. Approval of Minutes – October 25, 2023 – Special Board Meeting
- b. Expenditures – October 2023
- c. Fund Balance Report – October 2023
- d. Balance Sheet & Revenues – October 2023
- e. YTD Budgets to Actuals – October 2023
- f. Legal Fees 2023 Calendar Year-to-Date Review

**7. OLD BUSINESS:** None.

**8. NEW BUSINESS:**

- a. Discussion/Action Regarding Updates to the Capital Improvement Program (CIP)  
(Jessica Self, General Manager)
- b. Presentation by Calaveras County Registrar of Voters to certify signatures pursuant to Elections Code § 9309(f), as it relates to citizen’s initiative to amend, repeal, or replace water rates.

**9. REPORTS:**

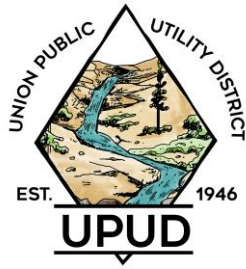
- a. General Manager
- b. UWPA

**10. DIRECTORS REPORTS, INFORMATION, FUTURE AGENDA ITEMS**

**11. NEXT BOARD MEETINGS & EVENTS**

- Wednesday, December 20, 2023 at 5:30 PM - Regular Meeting
- Wednesday, January 24, 2024 at 5:30 PM - Regular Meeting

**12. AJOURNMENT**



## MINUTES

### UNION PUBLIC UTILITY DISTRICT SPECIAL BOARD MEETING

October 25, 2023

Directors Present: Eric Bottomley, President  
Greg Rasmussen, Vice-President  
Tom Quincy, Secretary  
Bruce Tallakson, Treasurer  
Ralph Chick, Director

Directors Absent: None

Staff Present: Jessica Self, General Manager  
Andrew Ramos, General Legal Counsel  
Elaine Urruty, Clerk to the Board/Administrative Assistant  
Lisa Biedinger, Customer Service Representative  
Jenna Mayo, Administrative Analyst

Others Present: Public at Large

### ORDER OF BUSINESS

#### CALL TO ORDER & THE PLEDGE OF ALLEGIANCE

##### 1. ROLL CALL

President Bottomley called the Regular Board Meeting to order at 5:30 p.m. and led the Pledge of Allegiance.

##### 2. APPROVAL OF AGENDA

Motion: Director Tallakson  
Second: Director Quincy  
Ayes: Directors Bottomley, Rasmussen, Quincy, Tallakson, and Chick  
Nays: None  
Absent: None  
Abstained: None

MINUTE ENTRY. MOTION TO APPROVE THE AGENDA AS PRESENTED.

##### 3. PUBLIC COMMENT

No Public Comment

**4. CONSENT AGENDA**

- a. Approval of Minutes: September 20, 2023 – Regular Meeting
- b. Expenditures - September 2023
- c. Fund Balance Report – September 2023
- d. Balance Sheet & Income Statement – September 2023
- e. YTD Budget to Actuals – September 2023
- f. Legal Fees 2023 Calendar Year-to-Date Review

Motion: Director Rasmussen  
Second: Director Chick  
Ayes: Directors Bottomley, Rasmussen, Quincy, Tallakson, and Chick  
Nays: None  
Absent: None  
Abstained: None

MINUTE ENTRY. MOTION TO APPROVE THE CONSENT AGENDA AS PRESENTED.

**5. OLD BUSINESS:**

None.

**6. NEW BUSINESS:**

- a. Approval of Board Meeting Schedule Beginning January 2024

General Manager, Jessica Self, proposed changing the Board Meeting Schedule, shifting it to the fourth Wednesday of each month, starting in January 2024. This adjustment aims to accommodate the availability of our General Counsel, Andrew Ramos, ensuring his participation in our meetings.

Motion: Director Rasmussen  
Second: Director Tallakson  
Ayes: Directors Bottomley, Rasmussen, Quincy, Tallakson, and Chick  
Nays: None  
Absent: None  
Abstained: None

MINUTE ENTRY. MOTION TO CHANGE THE REGULAR BOARD MEETING SCHEDULE TO THE FOURTH WEDNESDAY OF THE MONTH BEGINNING IN JANUARY 2024.

- b. Approval to initiate proceedings for Minor Sphere of Influence Amendment and Annexation of Territory – RESOLUTION NO 2023-013

General Manager, Jessica Self, highlighted our ongoing efforts to update UPUD’s Sphere of Influence boundary. We are currently providing water to a few parcels located outside of our designated sphere. The two biggest rationales of why we should move through the annexation process are:

1. Compliance with Conservation Mandates: In times of severe conservation mandates imposed by the State or outlined in our newly adopted Water Shortage Contingency Plan, adhering to LAFCO standards is essential. We are obligated to shut off water to areas outside our sphere before those within it.
2. Property Taxation: Parcels within our sphere contribute property taxes to UPUD. However, customers receiving water from us outside our sphere are taxed by CCWD, the county water purveyor.

To address these issues, the Board must adopt a resolution.

Motion: Director Quincy  
Second: Director Rasmussen  
Ayes: Directors Bottomley, Rasmussen, Quincy, Tallakson, and Chick  
Nays: None  
Absent: None  
Abstained: None

MINUTE ENTRY. MOTION TO APPROVE RESOLUTION NO 2023-013 APPLICATION FOR BOARD OF DIRECTORS FOR UNION PUBLIC UTILITY DISTRICT TO INITIATE PROCEEDINGS FOR A MINOR SPHERE OF INFLUENCE AMENDMENT AND ANNEXATION OF TERRITORY TO THE DISTRICT UNDER THE CORTESE-KNOX-HERTZBERG LOCAL GOVERNMENT REORGANIZATION ACT OF 2000.

- c. UPUD Low-Income Domestic Customer Financial Assistance Program

Administrative Analyst, Jenna Mayo, presented UPUD’s proposed Domestic Relief Opportunity Program (DROP). This program is designed to support UPUD customers that are facing financial hardships. If approved, UPUD will contribute \$6,000 per year of non-operating funds to provide relief for up to 50 customers per year (a \$10 credit per monthly bill). Additionally, all UPUD customers will have the option of donating a flat amount into this program, which could allow for additional customers to be added into DROP. A policy will be presented at a future Regular Board meeting with hopes of a 2024 implementation date. In addition, an adjustment to the FY24 budget will need to be approved in order to accommodate program funding.

7. **PUBLIC WORKSHOP**

- a. Discussion and Review of the Irrigation Rate Structure

General Manager, Jessica Self presented a graph with a breakdown detailing the domestic and irrigation water main failures. The graph revealed that three-fourths of repairs were concentrated on the irrigation main system. Additionally, she discussed the 2022 Irrigation Capital Improvement Program (CIP) projects and their associated costs, along with the annual revenue generated from irrigation. She stressed the importance of generating sufficient revenue, highlighting that without it, the committee would be unable to secure loans for vital projects. However, it is important to strike a balance with District infrastructure needs and affordability for our irrigation customers. Committee Directors Rasmussen and Quincy shared their extensive analysis of various rate scenarios during the meeting. They recommended the option with our current base rate plus 0.09 HCF. The topic spurred large public discussion. Staff will incorporate board and public input into a resolution for the November 2023 Regular Board Meeting.

**8. REPORTS**

**a. General Manager\***

A copy of the General Manager's report was given to the Board, and General Manger, Jessica Self reviewed the report with the Board.

**b. UWPA\***

Directors Chick and Rasmussen reported that UWPA is in the second phase of the Hunter's Reservoir Fuel Reduction project.

**9. CLOSED SESSION: The meeting was adjourned into Closed Session at 6:40 PM**

**a. Conference with Legal Counsel – Existing Litigation (Gov. Code §54956.9(d)(1))**  
Name of Case: Hatfield v. Union Public Utility District, Calaveras County  
Superior Court Case No. 23CV46786

**b. Conference with Legal Counsel – Anticipated Litigation (Gov. Code §54956.9(d)(4): Two (2) matters**

**10. RETURN TO OPEN SESSION: The meeting returned to open session at 7:28 PM.**

**11. REPORTABLE ACTION FROM CLOSED SESSION**

Direction was given to General Manager, Jessica Self.

**12. DIRECTORS REPORTS, INFORMATION, FUTURE ADGENDA ITEMS**

Director Chick extended congratulations to General Manager, Jessica Self for her ACWA nomination for Region 3 Board. Director Quincy had no comments. Director Rasmussen voiced frustration regarding ongoing litigation and litigation threats related to the ballot initiative and other matters. He emphasized the significant financial and staffing costs associated with these issues, urging the public to recognize these challenges. Director Rasmussen also acknowledged General Manager, Jessica Self, for her dedication in handling

customer concerns and litigation problems. Directors Tallakson and Bottomley praised the General Manager for her commitment to these efforts. Director Bottomley thanked Directors Quincy and Rasmussen for their contributions to the Irrigation Committee; however, he voiced his frustration with the time spent navigating the current challenges facing the district. He hopes that UPUD staff can refocus their efforts on essential district priorities, particularly providing exceptional water services to our community.

**13. NEXT BOARD MEETINGS & EVENTS**

- Tuesday, November 14, 2023 at 6:00 PM – Town Hall Meeting @ Native Sons Hall
- Wednesday, November 15, 2023 at 5:30 PM - Regular Meeting
- Wednesday, December 20, 2023 at 5:30 PM - Regular Meeting

**14. ADJOURNMENT**

The meeting adjourned at 7:38 PM.

Respectfully Submitted:

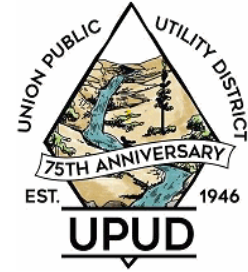
ATTEST:

\_\_\_\_\_  
Tom E. Quincy, Board Secretary

\_\_\_\_\_  
Elaine Urruty, Clerk to the Board

# Bank Reconciliation

## Expenditures - October 2023



Check No	Check Date	Name	Module	Void	Amount
28329	10/10/2023	Alpha Analytical Laboratories, Inc.	AP		2,931.00
28330	10/10/2023	Carbon Copy	AP		35.66
28331	10/10/2023	Coneth Solutions, Inc	AP		1,560.00
28332	10/10/2023	CPPA	AP		2,130.40
28333	10/10/2023	Dataprose, LLC	AP		1,076.32
28334	10/10/2023	Hammer Down Repair	AP		226.85
28335	10/10/2023	Mother Lode Answering Service, Inc.	AP		242.00
28336	10/10/2023	Murphys Sanitary District	AP		120.00
28337	10/10/2023	Red Store	AP		279.24
28338	10/10/2023	Sierra Hills Market	AP		53.60
28339	10/10/2023	USA Blue Book	AP		420.37
0	10/13/2023	CalPERS	AP		4,313.50
0	10/13/2023	EDD	AP		1,490.56
0	10/13/2023	Employment Development Dept	AP		258.91
0	10/13/2023	United States Treasury	AP		8,186.47
0	10/13/2023	Payroll - DD 00601.10.2023	PR		17,435.66
28340	10/13/2023	Payroll	PR		2,856.95
0	10/17/2023	AT&T U-verse	AP		183.44
28341	10/20/2023	Anthem Blue Cross	AP		1,526.00
28342	10/20/2023	Aqua Metric Sales, Co.	AP		1,299.50
28343	10/20/2023	AT&T CALNET	AP		266.17
28344	10/20/2023	Bartkiewicz,Kronick & Shanahan	AP		3,160.00
28345	10/20/2023	California Waste Recovery System	AP		193.78
28346	10/20/2023	Comcast	AP		233.14
28347	10/20/2023	Ferguson Waterworks #1423	AP		941.82
28348	10/20/2023	Gateway Press, Inc	AP		42.90
28349	10/20/2023	NSGW - Chispa 139	AP		500.00
28350	10/20/2023	PG&E	AP		196.75
28351	10/20/2023	Signal Service	AP		144.24
28352	10/20/2023	Springbrook Holding Company, LLC.	AP		536.00
28353	10/20/2023	Springbrook Holding Company, LLC.	AP		1,870.00
28354	10/20/2023	Sterling Water Technologies LLC	AP		27,990.00
28355	10/20/2023	SWRCB - DWOCP	AP		60.00
28356	10/20/2023	U.S. Bank	AP		424.10
28357	10/20/2023	Univar Solutions USA INC.	AP		3,035.43
28358	10/20/2023	USA Blue Book	AP		133.19
28359	10/20/2023	Weber, Ghio & Associates	AP		6,800.43
0	10/27/2023	CalPERS	AP		4,331.78
0	10/27/2023	EDD	AP		1,509.02
0	10/27/2023	Employment Development Dept	AP		261.31
0	10/27/2023	United States Treasury	AP		8,283.93
0	10/27/2023	Payroll - DD 00602.10.2023	PR		20,452.75
0	10/30/2023	CalPERS - Health Benefits	AP		16,614.65
28360	10/30/2023	Carbon Copy	AP		22.16
28361	10/30/2023	Clark Pest Control	AP		170.00
28362	10/30/2023	Comcast Business	AP		286.36
28363	10/30/2023	De Lage Landen Financial Services, Inc	AP		270.32



Check No	Check Date	Name	Module	Void	Amount
28364	10/30/2023	Farmer's Insurance Exchange	AP		1,384.58
28365	10/30/2023	Ferguson Waterworks #1423	AP		626.94
28366	10/30/2023	Petty Cash Custodian - Elaine M Urruty	AP		18.77
28367	10/30/2023	Signal Service	AP		288.00
28368	10/30/2023	Tuolumne Stanislaus - IRWMA	AP		200.00
28369	10/30/2023	USA Vision	AP		165.44

Void Ck Count: 0

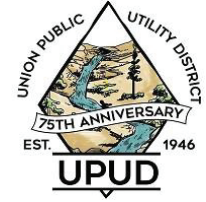
Total Void Check  
Amount: 0.00

Total Valid Check  
Count: 53

Total Valid Check  
Amount: 148,040.39

General Ledger  
Fund Balance Report LAIF  
October 2023

Fiscal Year 2024

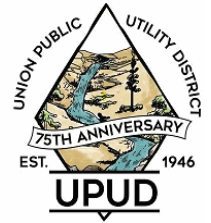


Account Number	Description	Beg Bal	Debits	Credits	End Bal
<b>01</b>	<b>Water Fund</b>				
01-00-1400	LAIF Account	62,355.41	615.30	0.00	62,970.71
01-00-1401	LAIF-Surplus Fund	727,582.64	7,612.69	0.00	735,195.33
01-00-1402	LAIF-Irrigation Imprvmnt Fund	187,438.72	1,845.90	0.00	189,284.62
01-00-1404	LAIF-UWPA Reserve Fund	145,562.01	94,001.49	73,000.00	166,563.50
01-00-1405	LAIF-Reserve Fund	524,607.54	20,193.12	0.00	544,800.66
01-00-1406	LAIF-Capital Imprvmnt Fund	191,263.26	1,895.12	0.00	193,158.38
01-00-1407	LAIF-SRLF Rec (Conn Fees)	651,546.89	20,448.33	0.00	671,995.22
<b>01</b>	<b>TOTAL LAIF =</b>	<b>2,490,356.47</b>	<b>146,611.95</b>	<b>73,000.00</b>	<b>2,563,968.42</b>
01-00-1501	CA CLASS - District Surplus	0.00	401,860.69	1,881.83	403,742.52
<b>01</b>	<b>TOTAL CA CLASS =</b>	<b>0.00</b>	<b>401,860.69</b>	<b>1,881.83</b>	<b>403,742.52</b>
	<b>TOTAL FUND BALANCE =</b>				<b>2,967,710.94</b>

# General Ledger

## Balance Sheet

October 2023

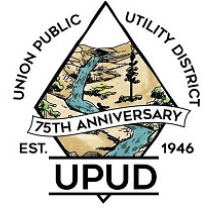


Period: 04  
Fiscal Year: 2024

### Fund ALFRE

Account Type	Amount
01 - Water Fund	
Assets	
Cash & Investments	3,248,865.33
Accounts Receivable	189,665.24
Inventory	0.00
Fixed Assets	4,791,944.41
Other Long Term Assets	0.00
CalPERS Pension Outflows	95,708.00
Grant Receivable	0.00
Total Assets:	8,326,182.98
Liabilities	
Accounts Payable	0.00
Payroll Liabilities	104,678.58
Deferred Revenue	2,462.32
Compensated Absences	71,607.73
Bonds/Notes Payable-Current	0.00
CalPERS Pension -Liability Exp	153,412.00
CalPERS Pension - Inflows	154,547.00
Total Liabilities:	486,707.63
Fund Balance	
Fund Balance	7,764,495.79
Total Fund Balance:	7,764,495.79
Total Liabilities and Fund Balance:	8,251,203.42
Total Retained Earnings:	74,979.56
Total Fund Balance and Retained Earnings:	7,839,475.35
Total Liabilities, Fund Balance, and Retained Earnings:	8,326,182.98
Totals for Fund 01 - Water Fund:	0.00

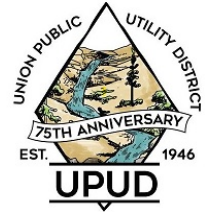
General Ledger  
 Revenues by Category  
 October 2023



Period 04  
 Fiscal Year 2024

Account Number	Description	One Year Prior Actual	Budget	Period Amt	End Bal
<b>01</b>	<b>Water Fund</b>				
01-01-4100	Domestic Water Revenue	-678,947.66	-1,583,114.00	-121,917.62	-511,087.15
01-01-4105	Irrigation Water Revenue	-40,046.59	-116,796.00	-18,562.16	-88,767.03
01-01-4106	Utica Conveyance Fees	0.00	-370,000.00	-30,864.00	-123,435.00
01-01-4107	Utica Irrigation Water Sales	0.00	-163.00	0.00	-157.22
01-01-4120	Hydrant Meter Revenue	-881.40	-2,000.00	0.00	-125.00
01-01-4160	Penalties	-4,020.00	-10,000.00	0.00	-2,710.00
01-01-4180	Other - Water Related	-1,426.00	-7,000.00	-687.00	-2,251.10
01-01-4189	Meter Reset Fees	0.00	-1,000.00	0.00	-1,000.00
01-01-4190	Meter Connection Fees	-56,000.00	-70,000.00	-14,000.00	-28,000.00
01-01-4195	Non-Operating Income	0.00	-1,500.00	0.00	0.00
01-01-4200	Interest Earned	0.00	-70,000.00	-26,493.78	-50,686.70
01-01-4300	County Taxes	0.05	-165,000.00	0.00	-8,055.86
01-01-4420	Insurance Refund	0.00	0.00	0.00	-337.06
01-01-4440	Garage Rental Revenue	-300.00	-1,200.00	-330.00	-560.00
01-01-4441	NCPA Facilities Use Agreement	0.00	-2,500.00	0.00	0.00
01-01-4460	Grant Income	0.00	-1,650,000.00	0.00	0.00
<b>01</b>	<b>Water Fund</b>	<b>-781,621.60</b>	<b>-4,050,273.00</b>	<b>-212,854.56</b>	<b>-817,172.12</b>
<b>Revenue Total</b>		<b><u>-781,621.60</u></b>	<b><u>-4,050,273.00</u></b>	<b><u>-212,854.56</u></b>	<b><u>-817,172.12</u></b>

General Ledger  
YTD Budget to Actuals  
October 2023



Period 01 - 04  
Fiscal Year 2024

Account Number	Description	Prior Yr Actual	YTD Budget	Period Amt	End Bal	YTD Bgt Var	YTD Bgt % Var
01-01-4100	Domestic Water Revenue	678,947.66	527,704.67	121,917.62	511,087.15	16,617.52	-3.15
01-01-4105	Irrigation Water Revenue	40,046.59	38,932.00	18,562.16	88,767.03	-49,835.03	128.01
01-01-4106	Utica Conveyance Fees	0.00	123,333.33	30,864.00	123,435.00	-101.67	0.08
01-01-4107	Utica Irrigation Water Sales	0.00	54.33	0.00	157.22	-102.89	189.38
01-01-4120	Hydrant Meter Revenue	881.40	666.67	0.00	125.00	541.67	-81.25
01-01-4160	Penalties	4,020.00	3,333.33	0.00	2,710.00	623.33	-18.70
01-01-4180	Other - Water Related	1,426.00	2,333.33	687.00	2,251.10	82.23	-3.52
01-01-4189	Meter Reset Fees	0.00	333.33	0.00	1,000.00	-666.67	200.00
01-01-4190	Meter Connection Fees	56,000.00	23,333.33	14,000.00	28,000.00	-4,666.67	20.00
01-01-4195	Non-Operating Income	0.00	500.00	0.00	0.00	500.00	-100.00
01-01-4200	Interest Earned	0.00	23,333.33	26,493.78	50,686.70	-27,353.37	117.23
01-01-4300	County Taxes	-0.05	55,000.00	0.00	8,055.86	46,944.14	-85.35
01-01-4420	Insurance Refund	0.00	0.00	0.00	337.06	-337.06	0.00
01-01-4440	Garage Rental Revenue	300.00	400.00	330.00	560.00	-160.00	40.00
01-01-4441	NCPA Facilities Use Agreement	0.00	833.33	0.00	0.00	833.33	-100.00
01-01-4460	Grant Income	0.00	550,000.00	0.00	0.00	550,000.00	-100.00
01-02-6003	Water Purchased	122,500.00	123,333.33	0.00	72,500.00	50,833.33	41.22
01-03-6100	Labor	25,725.18	28,085.33	5,871.16	28,993.96	-908.63	-3.24
01-03-6102	Vacation Pay	5,038.17	0.00	828.83	963.76	-963.76	0.00
01-03-6103	Overtime	1,516.08	1,500.00	2,040.02	7,069.58	-5,569.58	-371.31
01-03-6104	On Call Pay	6,120.00	3,498.00	825.00	3,662.50	-164.50	-4.70
01-03-6105	WT Cert Bonus	0.00	500.00	0.00	500.00	0.00	0.00
01-03-6107	Temp Labor	0.00	3,333.33	0.00	0.00	3,333.33	100.00
01-03-6110	FICA 7.65%	2,960.18	2,850.00	731.66	3,150.97	-300.97	-10.56
01-03-6200	Repairs & Maintenance	0.00	1,666.67	0.00	0.00	1,666.67	100.00
01-03-6201	Equipment Repairs	0.00	2,500.00	0.00	0.00	2,500.00	100.00
01-03-6202	Supplies	19,907.23	25,000.00	31,492.17	44,735.78	-19,735.78	-78.94
01-03-6204	Utilities	9,071.16	14,333.33	1,976.04	8,750.85	5,582.48	38.95
01-03-6205	Capital Exp Equip Pur )\$1K	600.00	573,333.33	2,583.73	2,583.73	570,749.60	99.55
01-03-6207	Permits & Fees	0.00	10,000.00	0.00	0.00	10,000.00	100.00
01-03-6208	Equipment Rental	0.00	833.33	0.00	0.00	833.33	100.00
01-03-6209	Uniforms	0.00	166.67	0.00	76.22	90.45	54.27
01-03-6212	Water Analysis	4,322.00	7,333.33	2,931.00	5,882.00	1,451.33	19.79
01-03-6214	Other	0.00	166.67	0.00	0.00	166.67	100.00
01-03-6215	Equipment Purchase to \$999	3,329.35	1,666.67	0.00	4,826.26	-3,159.59	-189.58

Account Number	Description	Prior Yr Actual	YTD Budget	Period Amt	End Bal	YTD Bgt Var	YTD Bgt % Var
01-03-6216	Education & Training	60.00	500.00	0.00	60.00	440.00	88.00
01-03-6220	CV Autogate Expense	421.50	500.00	27.10	136.11	363.89	72.78
01-03-6300	Health Insurance	12,527.96	12,333.33	3,505.54	17,526.90	-5,193.57	-42.11
01-03-6301	Worker's Compensation	310.28	833.33	207.69	996.91	-163.58	-19.63
01-03-6400	CalPERS PR Expense	9,783.98	6,666.67	1,146.43	10,943.89	-4,277.22	-64.16
01-03-6450	Travel & Mileage	0.00	166.67	0.00	93.01	73.66	44.20
01-03-6500	Telephone	1,172.33	1,166.67	79.82	414.81	751.86	64.44
01-03-6801	Professional Svc-Engineer	0.00	3,333.33	647.50	647.50	2,685.83	80.57
01-03-6804	Professional Svc-Other	7,383.51	3,166.67	192.77	7,991.34	-4,824.67	-152.36
01-04-6100	Labor	75,729.64	84,257.00	19,286.87	87,042.96	-2,785.96	-3.31
01-04-6101	Sick Pay	1,718.88	0.00	595.90	928.12	-928.12	0.00
01-04-6102	Vacation Pay	5,842.85	0.00	791.04	4,196.50	-4,196.50	0.00
01-04-6103	Overtime	1,465.00	2,833.33	49.44	660.24	2,173.09	76.70
01-04-6104	On Call Pay	3,780.00	3,498.00	825.00	3,662.50	-164.50	-4.70
01-04-6105	TD Cert Bonus	0.00	333.33	0.00	500.00	-166.67	-50.00
01-04-6107	Temp Labor	0.00	10,000.00	0.00	0.00	10,000.00	100.00
01-04-6110	FICA	6,773.06	8,000.00	1,648.52	7,419.86	580.14	7.25
01-04-6200	Repairs & Maintenance	0.00	1,666.67	0.00	0.00	1,666.67	100.00
01-04-6201	Equipment Repairs	2,154.21	2,500.00	226.85	226.85	2,273.15	90.93
01-04-6202	Supplies	5,701.93	10,000.00	3,287.92	3,658.15	6,341.85	63.42
01-04-6204	Utilities	1,091.81	1,933.33	217.11	1,131.11	802.22	41.49
01-04-6205	Capital ExpEquip Pur ) \$1K	5,390.00	116,666.67	131.25	131.25	116,535.42	99.89
01-04-6206	Memberships	4,178.73	1,500.00	0.00	2,066.31	-566.31	-37.75
01-04-6207	Permits & Fees	0.00	166.67	0.00	0.00	166.67	100.00
01-04-6208	Equipment Rental	0.00	833.33	0.00	0.00	833.33	100.00
01-04-6209	Uniforms	0.00	666.67	0.00	127.07	539.60	80.94
01-04-6211	Gas, Oil & Fuel	6,765.17	8,000.00	0.00	5,643.75	2,356.25	29.45
01-04-6215	Equipment Purchase to \$999	425.74	1,000.00	0.00	1,152.18	-152.18	-15.22
01-04-6216	Education & Training	0.00	1,666.67	60.00	376.00	1,290.67	77.44
01-04-6300	Health Insurance	34,107.15	36,333.33	9,561.23	47,805.73	-11,472.40	-31.58
01-04-6301	Worker's Compensation	1,241.12	2,333.33	581.52	2,990.68	-657.35	-28.17
01-04-6400	CalPERS PR Expense	23,103.15	19,166.67	3,000.01	25,073.51	-5,906.84	-30.82
01-04-6450	Travel & Mileage	0.00	100.00	0.00	0.00	100.00	100.00
01-04-6500	Telephone	1,728.80	1,833.33	159.25	999.22	834.11	45.50
01-04-6801	Professional Svc-Engineer	6,118.52	21,666.67	3,437.95	35,128.20	-13,461.53	-62.13
01-04-6804	Professional Svc-Other	-2,217.36	4,000.00	343.64	857.31	3,142.69	78.57
01-06-6100	Labor	91,360.89	113,026.67	25,233.92	109,520.30	3,506.37	3.10
01-06-6101	Sick Pay	2,086.22	0.00	148.20	2,238.39	-2,238.39	0.00
01-06-6102	Vacation Pay	9,151.31	0.00	0.00	325.48	-325.48	0.00
01-06-6103	Overtime	2,181.34	1,590.00	0.00	271.01	1,318.99	82.96
01-06-6110	FICA	8,253.28	9,000.00	2,041.80	8,912.06	87.94	0.98
01-06-6200	Repairs & Maintenance	107.71	1,666.67	0.00	476.71	1,189.96	71.40
01-06-6201	Equipment Repairs	0.00	166.67	0.00	0.00	166.67	100.00
01-06-6202	Supplies	596.79	1,666.67	59.91	362.79	1,303.88	78.23
01-06-6203	Copier Expense	939.92	1,233.33	328.14	1,356.19	-122.86	-9.96
01-06-6204	Utilities	706.42	1,500.00	254.00	1,079.96	420.04	28.00
01-06-6205	Capital ExpEquip Pur ) \$1K	13,897.61	3,333.33	0.00	0.00	3,333.33	100.00
01-06-6206	Memberships	6,652.06	7,333.33	200.00	8,569.05	-1,235.72	-16.85

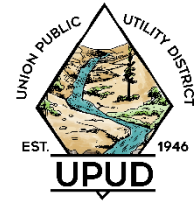
Account Number	Description	Prior Yr Actual	YTD Budget	Period Amt	End Bal	YTD Bgt Var	YTD Bgt % Var
01-06-6207	Permits & Fees	4.30	66.67	500.00	574.00	-507.33	-760.96
01-06-6209	Uniforms	144.43	166.67	0.00	101.61	65.06	39.04
01-06-6210	Postage	1,474.90	2,833.33	777.88	2,379.83	453.50	16.01
01-06-6213	Bank Fees	4,751.68	6,000.00	2,022.57	8,512.08	-2,512.08	-41.87
01-06-6215	Equipment Purchases to \$999	426.80	1,666.67	0.00	1,274.11	392.56	23.55
01-06-6216	Education & Training	3,355.74	2,000.00	0.00	1,250.00	750.00	37.50
01-06-6300	Health Insurance	24,979.63	21,333.33	6,547.32	30,341.47	-9,008.14	-42.23
01-06-6301	Worker's Compensation	1,034.24	2,666.67	595.37	2,935.31	-268.64	-10.07
01-06-6302	General Insurance	19,040.00	8,333.33	0.00	20,200.80	-11,867.47	-142.41
01-06-6400	CalPERS PR Expense	32,213.01	25,000.00	3,009.04	30,085.81	-5,085.81	-20.34
01-06-6450	Travel & Mileage	1,253.18	1,000.00	364.19	3,163.02	-2,163.02	-216.30
01-06-6500	Telephone	760.88	1,166.67	233.14	1,046.62	120.05	10.29
01-06-6802	Professional Svc-Legal	6,852.49	10,000.00	3,160.00	28,414.55	-18,414.55	-184.15
01-06-6803	Professional Svc-Accounting	700.00	3,466.67	0.00	700.00	2,766.67	79.81
01-06-6804	Professional Svc-Other	27,165.16	5,819.33	1,288.62	9,208.60	-3,389.27	-58.24
01-06-6805	Professional Svs - IT	5,820.00	8,333.33	1,560.00	7,530.00	803.33	9.64
01-06-6806	Professional Svs - Software	0.00	11,666.67	1,870.00	6,909.49	4,757.18	40.78
01-06-6810	Communications	0.00	1,666.67	42.90	169.74	1,496.93	89.82
01-06-6901	Contingencies	0.00	26,666.67	0.00	0.00	26,666.67	100.00
<b>Revenue Total</b>		<b>781,621.60</b>	<b>1,350,090.98</b>	<b>212,854.56</b>	<b>817,172.12</b>	<b>532,918.86</b>	<b>0.3947</b>
<b>Expense Total</b>		<b>683,757.30</b>	<b>1,450,091.01</b>	<b>149,526.96</b>	<b>742,192.56</b>	<b>707,898.45</b>	<b>0.4882</b>
<b>Grand Total</b>		<b>97,864.30</b>	<b>-100,000.03</b>	<b>63,327.60</b>	<b>74,979.56</b>	<b>-174,979.59</b>	<b>-1.7498</b>
01	Water Fund	97,864.30	-100,000.00	63,327.60	74,979.56	-174,979.56	-174.98
<b>Revenue Total</b>		<b>781,621.60</b>	<b>1,350,090.98</b>	<b>212,854.56</b>	<b>817,172.12</b>	<b>532,918.86</b>	<b>0.3947</b>
<b>Expense Total</b>		<b>683,757.30</b>	<b>1,450,091.01</b>	<b>149,526.96</b>	<b>742,192.56</b>	<b>707,898.45</b>	<b>0.4882</b>
<b>Grand Total</b>		<b>97,864.30</b>	<b>-100,000.03</b>	<b>63,327.60</b>	<b>74,979.56</b>	<b>-174,979.59</b>	<b>-1.7498</b>

UPUD legal fees invoiced to date for calendar year 2023 (January - October).

	Primary Column	Description	Hours	Total Charge
1	<input type="checkbox"/> <b>TOTAL FEES</b>			<b>\$72,557.05</b>
2	<input type="checkbox"/> <b>Hatfield v. UPUD</b>		<b>133.17</b>	<b>\$50,808.80</b>
3	<input type="checkbox"/>	February	4.3	\$1,397.50
13	<input type="checkbox"/>	April	8.1	\$2,632.50
23	<input type="checkbox"/>	July	5.32	\$1,787.50
36	<input type="checkbox"/>	August	94.95	\$36,605.35
51	<input type="checkbox"/>	September	0.5	\$162.50
53	<input type="checkbox"/>	October	20	\$8,223.45
62	<input type="checkbox"/> <b>Glanville v. UPUD</b>		<b>38.35</b>	<b>\$12,463.75</b>
63	<input type="checkbox"/>	February	1.6	\$520.00
70	<input type="checkbox"/>	March	7.8	\$2,535.00
82	<input type="checkbox"/>	April	3.6	\$1,170.00
89	<input type="checkbox"/>	May	14.2	\$4,615.00
107	<input type="checkbox"/>	July	5.4	\$1,755.00
115	<input type="checkbox"/>	August	2.25	\$731.25
119	<input type="checkbox"/>	September	3.5	\$1,137.50
125	<input type="checkbox"/> <b>Hatfield v. UPUD - Water Rate Initiative</b>		<b>25.9</b>	<b>\$9,284.50</b>
126	<input type="checkbox"/>	June	7.7	\$2,502.50
137	<input type="checkbox"/>	July	1.3	\$422.50
144	<input type="checkbox"/>	October	16.9	\$6,359.50



# Agenda Item



**DATE:** November 15, 2023

**TO:** UPUD Board of Directors

**FROM:** Jessica Self, General Manager

**SUBJECT:** Approval of Updated Capital Improvement Program

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## RECOMMENDED ACTION:

Motion: \_\_\_\_\_ / \_\_\_\_\_ by Minute Entry to approve the updated Capital Improvement Program.

## SUMMARY:

Union Public Utility District (UPUD) approved the current Capital Improvement Program (CIP) in 2021, prior to the District's Proposition 218 Rate Study. Updates to project costs are needed due to the sustained rise in inflation. Inflation can significantly impact the cost of materials, labor, and overall project expenses. Therefore, it is imperative that we proactively reassess and revise our CIP to ensure the long-term viability of our projects and their cost-effectiveness.

Weber, Ghio & Associates staff used the Engineering News-Record (ENR) index to update project costs. ENR is a widely recognized and respected publication in the construction industry. It provides comprehensive coverage of various construction projects, including their costs, timelines, and other relevant details. As a result, many professionals, including engineers, contractors, and project managers, refer to ENR for benchmarking and assessing construction costs.

On October 23, 2023, the ENR construction cost value was 13510.57. This is a 1.084 increase from September 2021 when the District's CIP was last assessed (12464 ENR). Moving forward, UPUD's engineers are assuming a 5% annual inflation rate each year throughout our 20-year CIP.

**Rising Inflation and Its Implications:** Over the past two years, inflation rates have surged well beyond initial projections, and this trend is not short-term. The primary factors contributing to this increase include rising energy costs, supply chain disruptions, and growing demand for construction and infrastructure materials. Inflation can lead to higher construction costs, delayed projects, and a potential strain on our financial resources. Some key points to consider are:

1. **Higher Material Costs:** The price of construction materials has been steadily increasing.

2. **Labor Costs:** Inflation can also lead to increased labor costs, which may affect our ability to complete projects within the expected timeframe and budget.
3. **Supply Chain Disruptions:** Ongoing supply chain disruptions may cause delays in acquiring necessary materials, further exacerbating project timelines.
4. **Loan Interest Rates:** Inflation often prompts financial institutions to raise interest rates. This could impact the cost of financing, potentially making it more expensive for us to borrow funds for our projects.

#### **STEPS TAKEN:**

In response to these challenges, UPUD staff and Weber, Ghio and Associates have conducted the following steps to update our Capital Improvement Program:

**Review Existing Projects:** Conduct a comprehensive review of our current projects within the CIP to identify those most susceptible to inflation-related cost increases.

**Cost Projections:** Recalculate cost projections for these projects, considering the current inflation rates.

#### **STEPS NEEDED:**

In response to these challenges, UPUD staff and Weber Ghio have conducted the following steps to update our Capital Improvement Program:

**Financial Planning:** UPUD Board and approval of an updated CIP which will allow for the District to make budget modifications to accommodate higher project costs due to inflation.

**Reprioritize Projects:** Due to rising inflation, and unpredictable alternative funding sources, such as grants, staff must reprioritize projects currently slated for the next five years prior to the adoption of the FY25 budget.

**Financial Sustainability:** Water rates play a significant role in funding the capital projects included in the CIP. Water rates are the primary source of revenue for UPUD. As the CIP outlines capital projects aimed at improving and maintaining our water infrastructure, it is crucial to ensure that the revenue generated through water rates is sufficient to cover the associated costs. Failure to consider rate assessments can lead to financial shortfalls, making it difficult to execute planned projects.

**Communication:** Keep the community and partners informed about the implications of inflation on our projects and the steps being taken to address these challenges.

**Regular Updates:** Given the dynamic nature of inflation, ensure that our CIP is subject to periodic updates and adjustments as needed.

It is crucial that we take a proactive stance in addressing the challenges posed by rising inflation. Failing to update our CIP in response to these economic realities could result in budget

overruns, project delays, and potential financial instability. By addressing this issue now, we can better position our water agency to navigate these uncertainties and continue providing essential services to our community.

**FINANCIAL CONSIDERATIONS:**

Due to an overall cost increase to the CIP, the current FY24 will need to be adjusted to accommodate for the increased cost estimates for the CIP items scheduled for this fiscal year.

*Attachments: Updated Capital Improvement Program*

UNION PUBLIC UTILITY DISTRICT  
CAPITAL IMPROVEMENT PLAN  
10/31/2023

PROJECT	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	COST
<b>1. WTP</b>					
1A	Tules problem Cadematori removal vegetation late fall	1	LS	\$42,240	\$42,240
1B	Electrical Service Upgrade at WTP (new wall)	1	LS	\$750,000	\$750,000
1C	Coating work for 3 ea Pressure Filters	1	LS	\$319,000	\$319,000
1D	Replace media and surface wash piping plumbing on 3 ea Filters	1	LS	\$420,000	\$420,000
1E	Paint / Coat Storage Tanks (Interior & Exterior)	3	EA	\$689,700	\$2,069,100
1F	Backwash Project	1	LS	\$2,496,000	\$2,496,000
1G	Surveillance System at WTP and Corp Yard	1	LS	\$10,000	\$10,000
Sub-total:					\$6,106,340
<b>2. Distribution System</b>					
2A	Rebuild the 13 PRV Stations, piping, valves, lids	13	EA	\$109,000	\$1,417,000
<i>Domestic system pipe replacements (Top Priority per 5/18/2020 Replacement Projects Table)</i>					
2B.1	6" Pipe, Vallecito Bypass to Hwy 4 Existing Main	360	LF	\$150	\$54,000
2B.2	6" Pipe, Algiers Street - Church St. to Gold Street, Murphys	500	LF	\$150	\$75,000
2B.3	2.5" Pipe, Tanner Street, Murphys	200	LF	\$98	\$19,600
<i>Domestic system pipe replacements (Murphys Area per Proposed Imps. For Fire Flows)</i>					
2C.1	8" Pipe, Coyote Dr, Sheet 5	336	LF	\$180	\$60,480
2C.2	12" Pipe, N Hwy 4, Sheet 1	385	LF	\$230	\$88,550
2C.3	8" Pipe, Apple Blossom Dr, Sheet 1/2	1,105	LF	\$180	\$198,900
2C.4	6" Pipe, S Algiers St, Sheet 3	212	LF	\$150	\$31,800
2C.5	6" Pipe, Main St, Sheet 4	302	LF	\$150	\$45,300
2C.6	6" Pipe, Woodland Dr, Sheet 4	360	LF	\$150	\$54,000
2C.7	6" Pipe, Woodland Dr, Sheet 4	394	LF	\$150	\$59,100
2C.8	6" Pipe, Watkins St, Sheet 4	264	LF	\$150	\$39,600
2C.9	8" Pipe, Fair Oaks Ln / Allen Ln, Sheets 4/7	3,471	LF	\$180	\$624,780
2C.10	8" Pipe, Green Meadow Ct, Sheet 6	2,262	LF	\$180	\$407,160
<i>Domestic system pipe replacements (Vallecito Area per Proposed Imps. For Fire Flows)</i>					
2D.1	10" Pipe, S Hwy 4, Sheet 7	1,104	LF	\$210	\$231,840
2D.2	10" Pipe, S Hwy 4 / Main St, Sheet 8	4,921	LF	\$210	\$1,033,410
2D.3	10" Pipe, S Hwy 4, Sheet 9	6,427	LF	\$210	\$1,349,670
2D.4	10" Pipe, Hwy 4 / Vallecito Bypass Rd, Sheet 10	4,120	LF	\$210	\$865,200
2D.5	8" Pipe, Red Hill Rd / Poag Rd, Sheet 10	4,715	LF	\$180	\$848,700
2D.6	8" Pipe, Church St / Angels Rd, Sheet 10	1,541	LF	\$180	\$277,380
2D.7	10" Pipe, Hwy 4 / Main St / Church St, Sheet 10	3,527	LF	\$210	\$740,670
2E	Replace wharf hydrants	150	EA	\$18,700	\$2,805,000
2F	Add mixer at Eltringham Tank	1	EA	\$44,000	\$44,000
2G	New Hydrants	40	EA	\$16,830	\$673,200
2H	Add remote read meter & meter box	1,500	EA	\$1,100	\$1,650,000
2I	Meter software and hardware for automatic meter reading	1	LS	\$31,000	\$31,000
2J	Replacement of all galvanized water service lines	250	EA	\$5,800	\$1,450,000
2K	SCADA upgrades (tank level monitoring)	1	LS	\$271,000	\$271,000
2L	Lead & Copper Program Implementation (per service)	150	EA	\$8,200	\$1,230,000
Sub-total:					\$16,676,340

PROJECT	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	COST
<b>3. Irrigation System</b>					
<i>Irrigation system pipe replacements (1-5 Year Replacement Period)</i>					
3A.1	6" pipe, Church Street to Coyote Creek Road	1	LS	\$140,650	\$140,650
3A.2	6" pipe, Coyote Creek Rd. to End of Main, Vallecito - Sutton's Irrigation Service	1	LS	\$166,547	\$166,547
3A.3	12" pipe, Carson Hill - Association Res. To Exist. 8" ACP Main	1	LS	\$100,485	\$100,485
3A.4	12" pipe, Mosbaugh Irr. Service to PRV Station	1	LS	\$75,400	\$75,400
<i>Irrigation system pipe replacements (5-10 Year Replacement Period)</i>					
3B.1	12" pipe, Main St. DF & Hwy 4 East End to Main St. DF and Hwy 4 West End (DF = Douglas Flat)	1	LS	\$577,390	\$577,390
3B.2	12" pipe, Chatom Winery to Batten Rd	1	LS	\$524,755	\$524,755
<i>Irrigation system pipe replacements (10-20 Year Replacement Period)</i>					
3C.1	12" pipe, Chlorine Building to Stephens Reservoir	1	LS	\$194,590	\$194,590
3C.2	12" pipe, Seibel Reservoir to Wheeler (APN 68-056-002) - Green Meadow Court	1	LS	\$729,640	\$729,640
3C.3	12" pipe, Green Meadow Court from Gomez (APN 68-003-066) to Main Street DF & Hwy 4 (East End)	1	LS	\$136,300	\$136,300
3C.4	6" pipe, Angels Road, Vallecito	1	LS	\$36,975	\$36,975
3D	Add more fire hydrants to system	40	EA	\$17,000	\$680,000
3E	Add remote read meter & meter box	500	EA	\$1,100	\$550,000
3F	Clean out Siebel sediment and fix drain and outlet slide gates	1	LS	\$55,000	\$55,000
3G	Stephens slide gate replace (leak @ outlet)	1	LS	\$17,000	\$17,000
3H	Association clean & replace head gate valves	1	LS	\$22,000	\$22,000
				Sub-total:	\$4,006,732

<b>4. Equipment</b>					
4A	F550 4x4 dump bed	1	EA	\$98,000	\$98,000
4B	F150 Pickups	2	EA	\$66,000	\$132,000
4C	F250 / F350 full box (Utility Truck)	1	EA	\$82,000	\$82,000
4D	Air compressor, gas/diesel (180 cfm)	1	EA	\$28,000	\$28,000
4E	Vac Trailer	1	EA	\$136,000	\$136,000
4F	Bumper Pull Dump Trailer	1	EA	\$28,000	\$28,000
4G	Mini Excavator	1	EA	\$163,000	\$163,000
4H	Skid Steer	1	EA	\$87,000	\$87,000
4I	Side by Side 4x4	1	EA	\$22,000	\$22,000
				Sub-total:	\$776,000

1. WTP	\$6,106,340
2. Distribution System	\$16,676,340
3. Irrigation System	\$4,006,732
4. Equipment	\$776,000
	<u>\$27,565,412</u>



Item	Project Description	CIP Cost (2023)	FY 24-25	FY 25-26	FY 26-27	FY 27-28	FY 28-29	FY 29-30	FY 30-31	FY 31-32	FY 32-33	FY 33-34	FY 34-35	FY 35-36	FY 36-37	FY 37-38	FY 38-39	FY 39-40	FY 40-41	FY 41-42	FY 42-43	FY 43-44
			\$1,496,230	\$858,233	\$909,408	\$921,331	\$1,090,163	\$1,542,054	\$1,633,910	\$1,656,333	\$1,399,475	\$2,503,378	\$2,902,641	\$2,058,966	\$2,478,892	\$1,941,728	\$2,486,675	\$2,960,706	\$3,799,097	\$2,840,819	\$2,722,873	\$987,381
2L	Lead & Copper Program Implementation (per service)	\$1,230,000						\$78,491	\$78,491													
<b>3. Irrigation System</b>																						
3A.1	6" pipe, Church Street to Coyote Creek Road	\$140,650	\$130,500																			
3A.2	6" pipe, Coyote Creek Rd. to End of Main, Vallecito - Sutton's Irrigation Service	\$166,547	\$152,250																			
3A.3	12" pipe, Carson Hill - Association Res. To Exist. 8" ACP Main	\$100,485		\$105,509																		
3A.4	12" pipe, Mosbaugh Irr. Service to PRV Station	\$75,400			\$83,129																	
3B.1	12" pipe, Main St. DF & Hwy 4 East End to Main St. DF and Hwy 4 West End (DF = Douglas Flat)	\$577,390							\$773,758													
3B.2	12" pipe, Chatom Winery to Batten Rd	\$524,755								\$738,383												
3C.1	12" pipe, Chlorine Building to Stephens Reservoir	\$194,590											\$316,967									
3C.2	12" pipe, Seibel Reservoir to Wheeler (APN 68-056-002) - Green Meadow Court	\$729,640												\$623,966	\$655,164							
3C.3	12" pipe, Green Meadow Court from Gomez (APN 68-003-066) to Main Street DF & Hwy 4 (East End)	\$136,300												\$233,119								
3C.4	6" pipe, Angels Road, Vallecito	\$36,975												\$63,240								
3D	Add more fire hydrants to system	\$680,000											\$110,765	\$116,303	\$122,118	\$128,224	\$134,635	\$141,367	\$148,435	\$155,857	\$163,650	\$171,833
3E	Add remote read meter & meter box	\$550,000											\$447,946	\$470,343								
3F	Clean out Siebel sediment and fix drain and outlet slide gates	\$55,000											\$89,589									
3G	Stephens slide gate replace (leak @ outlet)	\$17,000											\$27,691									
3H	Association clean & replace head gate valves	\$22,000											\$35,836									
<b>4. Equipment</b>																						
4A	F550 4x4 dump bed	\$98,000							\$131,329													
4B	F150 Pickups	\$132,000		\$138,600																		
4C	F250 / F350 full box (Utility Truck)	\$82,000	\$82,000																			
4D	Air compressor, gas/diesel (180 cfm)	\$28,000	\$28,000																			
4E	Vac Trailer	\$136,000		\$142,800																		
4F	Bumper Pull Dump Trailer	\$28,000	\$28,000																			
4G	Mini Excavator	\$163,000		\$171,150																		
4H	Skid Steer	\$87,000		\$91,350																		
4I	Side by Side 4x4	\$22,000		\$23,100																		

Assumptions:

- All Inflation assumed to be 5% per year
- 1A Assume Yearly Cost
- 1E Assumes work phased into 2 years: 2 MG tank, 1 MG tank & 0.25 MG tank
- 1F Assume DWSRF or Other Funding Program - 10% Local, 90% State
- 2A Rebuilt PRV Station over 4 year period
- 2E Assumes a 10 year program
- 2G Assumes a 5 year program
- 2H Assumes a 5 year program
- 2J Assume DWSRF or Other Funding Program - 10% Local (over 2 fiscal years), 90% State
- 2L Assume DWSRF or Other Funding Program - 10% Local (over 2 fiscal years), 90% State
- 3C.2 Assumes project over phased over 2 years
- 3D Assumes a 5 year program
- 3E Assumes a 2 year program

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
ENGINEER'S ESTIMATE  
10/31/2023**

**1A - TULES PROBLEM CADEMATORI REMOVAL VEGETATION LATE FALL**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	MOBILIZATION	LS	1	\$4,900.00	\$4,900.00
2	LABOR (3-PERSON CREW)	WEEK	2	\$14,000.00	\$28,000.00
3	EQUIPMENT	LS	1	\$5,500.00	\$5,500.00
				SUBTOTAL:	\$38,400.00
				10% +/- CONSTRUCTION CONTINGENCY:	\$3,840.00
				<b>TOTAL CONSTRUCTION COST:</b>	<b>\$42,240.00</b>



**UNION PUBLIC UTILITY DISTRICT  
 WATER CAPITAL REPLACEMENT PLAN  
 ENGINEER'S ESTIMATE  
 10/31/2023**

**1E - PAINT / COAT STORAGE TANKS (INTERIOR & EXTERIOR)**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00
2	PLANNING	LS	1	\$5,000.00	\$5,000.00
3	INSPECTION	LS	1	\$5,000.00	\$5,000.00
4	SANDBLAST EXTERIOR SHELL	LS	1	\$72,000.00	\$72,000.00
5	SANDBLAST EXTERIOR LID	LS	1	\$92,000.00	\$92,000.00
6	SANDBLAST INTERIOR FLOOR	LS	1	\$100,000.00	\$100,000.00
7	SANDBLAST INTERIOR SHELL	LS	1	\$73,000.00	\$73,000.00
8	SANDBLAST INTERIOR LID	LS	1	\$100,000.00	\$100,000.00
9	COAT EXTERIOR	LS	1	\$75,000.00	\$75,000.00
10	COAT INTERIOR	LS	1	\$100,000.00	\$100,000.00

SUBTOTAL: \$627,000.00  
 10% +/- CONSTRUCTION CONTINGENCY: \$62,700.00  
**TOTAL CONSTRUCTION COST: \$689,700.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
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10/31/2023**

**2E - REPLACE WHARF HYDRANTS**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	LOCATE AND PROTECT EXISTING UTILITIES	LS	1	\$1,100.00	\$1,100.00
2	TRAFFIC CONTROL	LS	1	\$1,100.00	\$1,100.00
3	REMOVE EXISTING WHARF HYDRANT, HYDRANT VALVE, MAIN LINE TEE	LS	1	\$1,700.00	\$1,700.00
4	INSTALL NEW HYDRANT	LS	1	\$5,500.00	\$5,500.00
5	INSTALL NEW HYDRANT RUNNER	LS	1	\$3,800.00	\$3,800.00
6	INSTALL NEW HYDRANT VALVE	LS	1	\$3,800.00	\$3,800.00

SUBTOTAL: \$17,000.00

10% +/- CONSTRUCTION CONTINGENCY: \$1,700.00

**TOTAL CONSTRUCTION COST PER HYDRANT: \$18,700.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
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10/31/2023**

**2G - ADD MORE HYDRANTS TO THE SYSTEM**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	LOCATE AND PROTECT EXISTING UTILITIES	LS	1	\$1,100.00	\$1,100.00
2	TRAFFIC CONTROL	LS	1	\$1,100.00	\$1,100.00
3	INSTALL NEW HYDRANT	LS	1	\$5,500.00	\$5,500.00
4	INSTALL NEW HYDRANT RUNNER	LS	1	\$3,800.00	\$3,800.00
5	INSTALL NEW HYDRANT VALVE	LS	1	\$3,800.00	\$3,800.00

SUBTOTAL: \$15,300.00

10% +/- CONSTRUCTION CONTINGENCY: \$1,530.00

**TOTAL CONSTRUCTION COST PER HYDRANT: \$16,830.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
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10/31/2023**

**2I - REPLACEMENT OF ALL GALVANIZED WATER SERVICE LINES**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	LOCATE AND PROTECT EXISTING UTILITIES	LS	1	\$38,000.00	\$38,000.00
2	CALAVERAS COUNTY PERMIT COMPLIANCE	LS	1	\$5,500.00	\$5,500.00
3	CALTRANS PERMIT COMPLIANCE	LS	1	\$5,500.00	\$5,500.00
4	TRAFFIC CONTROL	LS	1	\$33,000.00	\$33,000.00
5	SHEETING, SHORING, & BRACING	LS	1	\$5,500.00	\$5,500.00
6	1" WATER SERVICE	EA	100	\$3,300.00	\$330,000.00

SUBTOTAL:	\$417,500.00
10% CONSTRUCTION CONTINGENCY:	\$41,750.00
TOTAL CONSTRUCTION COST:	<u>\$459,250.00</u>

15% ENGINEERING DESIGN:	\$68,887.50
10% CONSTRUCTION MANAGEMENT:	\$45,925.00
SUBTOTAL:	<u>\$114,812.50</u>

**TOTAL PROJECT COST PER 100 SERVICES: \$574,062.50**

**UNION PUBLIC UTILITY DISTRICT  
 WATER CAPITAL REPLACEMENT PLAN  
 ENGINEER'S ESTIMATE  
 10/31/2023**

**3A.1 - 6" PIPE, CHURCH STREET TO COYOTE CREEK ROAD**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	6" DIA PVC	LF	1100	\$82.00	\$90,200.00
2	6" DIA. GATE VALVE	EA	1	\$1,700.00	\$1,700.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,700.00	\$3,400.00
4	SERVICE CONNECTIONS & MISC ITEMS	LS	1	\$1,700.00	\$1,700.00

CONSTRUCTION COST: \$97,000.00  
 20% CONSTRUCTION CONTINGENCY: \$19,400.00  
 25% ENGINEERING/ADMINISTRATION: \$24,250.00

**TOTAL PROJECT COST: \$140,650.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
ENGINEER'S ESTIMATE  
10/31/2023**

**3A.2 - COYOTE CREEK ROAD TO END OF MAIN, VALLECITO - SUTTON'S IRRIGATION SERVICE**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	6" DIA PVC	LF	1280	\$82.00	\$104,960.00
2	CONNECTION TO EXISTING MAINS	EA	3	\$1,100.00	\$3,300.00
3	SERVICE CONNECTIONS & MISC ITEMS	LS	1	\$6,600.00	\$6,600.00

CONSTRUCTION COST:	\$114,860.00
20% CONSTRUCTION CONTINGENCY:	\$22,972.00
25% ENGINEERING/ADMINISTRATION:	\$28,715.00
<b>TOTAL PROJECT COST:</b>	<b>\$166,547.00</b>

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
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10/31/2023**

**3A.3 - 12" PIPE, CARSON HILL - ASSOCIATION RES. TO EXIST. 8" ACP MAIN**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA PVC	LF	440	\$140.00	\$61,600.00
2	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
3	SERVICE CONNECTIONS & MISC ITEMS	LS	1	\$5,500.00	\$5,500.00

CONSTRUCTION COST: \$69,300.00  
20% CONSTRUCTION CONTINGENCY: \$13,860.00  
25% ENGINEERING/ADMINISTRATION: \$17,325.00

**TOTAL PROJECT COST: \$100,485.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
ENGINEER'S ESTIMATE  
10/31/2023**

**3A.4 - 12" PIPE, MOSBAUGH IRR. SERVICE TO PRV STATION**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA PVC	LF	340	\$140.00	\$47,600.00
2	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
3	SERVICE CONNECTIONS & MISC ITEMS	LS	1	\$2,200.00	\$2,200.00

CONSTRUCTION COST:	\$52,000.00
20% CONSTRUCTION CONTINGENCY:	\$10,400.00
25% ENGINEERING/ADMINISTRATION:	\$13,000.00
<b>TOTAL PROJECT COST:</b>	<b>\$75,400.00</b>



**UNION PUBLIC UTILITY DISTRICT  
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10/31/2023**

**3B.1 - MAIN ST. DF & HWY 4 EAST END TO MAIN ST. DF AND HWY 4 WEST END (DF = DOUGLAS FLAT)**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA. PVC	LF	2760	\$140.00	\$386,400.00
2	12" DIA. GATE VALVE	EA	1	\$1,400.00	\$1,400.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
4	SERVICE CONNECTIONS & MISC. ITEMS	LS	1	\$8,200.00	\$8,200.00

CONSTRUCTION COST:	\$398,200.00
20% CONSTRUCTION CONTINGENCY:	\$79,640.00
25% ENGINEERING/ADMINISTRATION:	\$99,550.00
<b>TOTAL PROJECT COST:</b>	<b>\$577,390.00</b>

**UNION PUBLIC UTILITY DISTRICT  
 WATER CAPITAL REPLACEMENT PLAN  
 ENGINEER'S ESTIMATE  
 10/31/2023**

**3B.2 - 12" PIPE, CHATOM WINERY TO BATTEN RD**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA. PVC	LF	2520	\$140.00	\$352,800.00
2	12" DIA. GATE VALVE	EA	1	\$1,400.00	\$1,400.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
4	SERVICE CONNECTIONS & MISC. ITEMS	LS	1	\$5,500.00	\$5,500.00

CONSTRUCTION COST:	\$361,900.00
20% CONSTRUCTION CONTINGENCY:	\$72,380.00
25% ENGINEERING/ADMINISTRATION:	\$90,475.00
<b>TOTAL PROJECT COST:</b>	<b>\$524,755.00</b>

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
ENGINEER'S ESTIMATE  
10/31/2023**

**3C.1 - 12" PIPE, CHLORINE BUILDING TO STEPHENS RESERVOIR**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA. PVC	LF	600	\$220.00	\$132,000.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00

CONSTRUCTION COST: \$134,200.00  
20% CONSTRUCTION CONTINGENCY: \$26,840.00  
25% ENGINEERING/ADMINISTRATION: \$33,550.00  
  
**TOTAL PROJECT COST: \$194,590.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
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10/31/2023**

**3C.2 - 12" PIPE, SEIBEL RESERVOIR TO WHEELER (APN 68-056-002) - GREEN MEADOW COURT**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA. PVC	LF	3500	\$140.00	\$490,000.00
2	12" DIA. GATE VALVE	EA	2	\$1,400.00	\$2,800.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
4	SERVICE CONNECTIONS & MISC. ITEMS	LS	1	\$8,200.00	\$8,200.00

CONSTRUCTION COST:	\$503,200.00
20% CONSTRUCTION CONTINGENCY:	\$100,640.00
25% ENGINEERING/ADMINISTRATION:	\$125,800.00
<b>TOTAL PROJECT COST:</b>	<b>\$729,640.00</b>

**UNION PUBLIC UTILITY DISTRICT  
 WATER CAPITAL REPLACEMENT PLAN  
 ENGINEER'S ESTIMATE  
 10/31/2023**

**3C.3 - GREEN MEADOW CT. FROM GOMEZ (APN 68-003-066) TO MAIN STREET DF & HWY 4 (EAST END)**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	12" DIA. PVC	LF	640	\$140.00	\$89,600.00
3	CONNECTION TO EXISTING MAIN	EA	2	\$1,100.00	\$2,200.00
4	SERVICE CONNECTIONS & MISC. ITEMS	LS	1	\$2,200.00	\$2,200.00

CONSTRUCTION COST: \$94,000.00  
 20% CONSTRUCTION CONTINGENCY: \$18,800.00  
 25% ENGINEERING/ADMINISTRATION: \$23,500.00

**TOTAL PROJECT COST: \$136,300.00**

**UNION PUBLIC UTILITY DISTRICT  
WATER CAPITAL REPLACEMENT PLAN  
ENGINEER'S ESTIMATE  
10/31/2023**

**3C.4 - 6" PIPE, ANGELS ROAD, VALLECITO**

ITEM	DESCRIPTION	UNITS	QTY	ENGINEER'S ESTIMATE	
				\$/UNIT	TOTAL
1	6" DIA. PVC	LF	250	\$82.00	\$20,500.00
2	6" DIA. GATE VALVE	EA	1	\$1,700.00	\$1,700.00
3	CONNECTION TO EXISTING MAIN	EA	1	\$1,100.00	\$1,100.00
4	SERVICE CONNECTIONS & MISC. ITEMS	LS	1	\$2,200.00	\$2,200.00

CONSTRUCTION COST:	\$25,500.00
20% CONSTRUCTION CONTINGENCY:	\$5,100.00
25% ENGINEERING/ADMINISTRATION:	\$6,375.00
<b>TOTAL PROJECT COST:</b>	<b>\$36,975.00</b>