

# REGULAR MEETING OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS

## Agenda

Tuesday, May 16, 2023

6:30 PM

### Compliance with Government Code Section 54957.5

Public records, including writings related to an agenda item for an open session of a regular meeting of the Florin Resources Conservation District that are distributed less than 72 hours before the meeting, are available by email request. In addition, such writings may be posted, whenever possible, on the Elk Grove Water District website at [www.egwd.org](http://www.egwd.org). The Board will discuss all items on the agenda and may take action on any item listed as an "Action" item. The Board may discuss items that do not appear on the agenda but will not act on those items unless there is a need to take immediate action and the Board determines by a two-thirds (2/3) vote that the need for action arose after posting of the agenda. If necessary, the Meeting will be adjourned to Closed Session to discuss items on the agenda listed under "Closed Session." At the conclusion of the Closed Session, the meeting will reconvene to "Open Session."

## CALL TO ORDER, ROLL CALL AND PLEDGE OF ALLEGIANCE

### Public Comment

This is the opportunity for the public to comment on non-agenda items within the subject matter jurisdiction. Comments are limited to three (3) minutes.

### Page Numbers

## 1. Proclamations and Announcements

Associate Director Comment

Public Comment

## 2. Consent Calendar

(Stefani Phillips, Board Secretary and Patrick Lee, Treasurer)

- |   |      |
|---|------|
| a. Minutes of Regular Board Meeting of April 18, 2023     | 6-8  |
| b. Accounts Payable Check History – April 2023            | 9-13 |
| c. Board and Employee Expense/Reimbursements – April 2023 | 14   |
| d. Active Accounts – April 2023                           | 15   |
| e. Bond Covenant Status for FY 2022-23 – April 2023       | 16   |
| f. CASH - Detail Schedule of Investments– April 2023      | 17   |
| g. Consultants Expenses – April 2023                      | 18   |
| h. Major Capital Improvement Projects – April 2023        | 19   |

Associate Director Comment

Public Comment

**Recommended Action/Information:** Approve Florin Resource Conservation District Consent Calendar items a – h.

## 3. Year to Date Revenues and Expenses Compared to Budget – April 2023

(Patrick Lee, Finance Manager)

20-22

Associate Director Comment

Public Comment

**Recommended Action/Information:** Information only.

**4. Educational Workshop – Leveraging Technology**

(Bruce Kamilos, General Manager)

23-24

Associate Director Comment

Public Comment

**Recommended Action/Information:** Information only.

**5. 2024-2028 Water Rate Study and Connection Fee Study**

(Patrick Lee, Finance Manager)

25-90

Associate Director Comment

Public Comment

**Recommended Action/Information:**

1. Approve the 2024-2028 Water Rate Study subject to the receipt and consideration of any protests and comments received before and during the public hearing conducted in compliance with Proposition 218;
2. Approve the 2024 Capacity Fee Study Report subject to the receipt and consideration of comments received during a public hearing;
3. Direct staff to initiate the Proposition 218 compliance process for the 2024-2028 Water Rate Study, including the mailing of a notice of the public hearing for the consideration of the proposed water rates to the record owners of property to be subject to the water service fees and any tenants who are directly liable for the payment of water service fees.

**6. Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program**

(Ben Voelz, Associate Engineer)

91-294

Associate Director Comment

Public Comment

**Recommended Action/Information:** Adopt Resolution No. 05.16.23.01, approving the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program and the appropriation of \$3,175,000 from designated reserve funds to the Fiscal Year 2023-24 Capital Improvement Program budget.

**7. Draft Florin Resource Conservation District/Elk Grove Water District Fiscal Year 2023-24 Proposed Operating Budget** 295-398  
(Patrick Lee, Finance Manager)

Associate Director Comment

Public Comment

**Recommended Action/Information:** Review and discuss the draft Florin Resource Conservation District/Elk Grove Water District Fiscal Year 2023-24 Proposed Operating Budget.

**8. Legislative Matters and Potential Direction to Staff** 399-406  
(Travis Franklin, Program Manager)

Associate Director Comment

Public Comment

**Recommended Action/Information:** Information only.

**9. General Manager's Report** 407-412  
(Bruce Kamilos, General Manager)

Associate Director Comment

Public Comment

**Recommended Action/Information:** Information only.

**10. Elk Grove Water District Operations Report – April 2023** 413-460  
(Bruce Kamilos, General Manager)

Associate Director Comment

Public Comment

**Recommended Action/Information:** Information only.

**11. Directors Comments**

Adjourn to Regular Meeting – June 20, 2023

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary and Patrick Lee, Treasurer

SUBJECT: **CONSENT CALENDAR**

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### **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors approve Florin Resource Conservation District Consent Calendar items a – h.

### **SUMMARY**

Consent Calendar items a – h are standing items on the Regular Board Meeting agenda.

By this action, the Florin Resource Conservation District (FRCD) Board of Directors will approve FRCD Consent Calendar items a – h.

### **DISCUSSION**

#### **Background**

Consent Calendar items are standing items on the Regular Board Meeting agenda.

#### **Present Situation**

Consent Calendar items a – h are standing items on the Regular Board Meeting agenda.

### **ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

### **STRATEGIC PLAN CONFORMITY**

This item conforms to the FRCD/Elk Grove Water District 2020-2025 Strategic Plan. The monthly Consent Calendar report provides transparency, which aligns with Goal No. 1, Governance and Customer Engagement, of the Strategic Plan 2020-2025.

May 16, 2023

**CONSENT CALENDAR**

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Page 2

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully Submitted,



STEFANI PHILLIPS  
BOARD SECRETARY

And



PATRICK LEE  
TREASURER

Attachments

**MINUTES OF THE REGULAR MEETING OF THE  
FLORIN RESOURCE CONSERVATION DISTRICT  
BOARD OF DIRECTORS**

**Tuesday, April 18, 2023**

The regular meeting of the Florin Resource Conservation District Board of Directors was called to order at 6:30 p.m. by Chair Tom Nelson at 9829 Waterman Road, Elk Grove, CA.

**Call to Order, Roll Call, and Pledge of Allegiance.**

Directors Present: Tom Nelson, Paul Lindsay, Lisa Medina, Elliot Mulberg, Sophia Scherman  
Directors Absent: None  
Staff Present: Bruce Kamilos, General Manager; Patrick Lee, Finance Manager/  
Treasurer; Stefani Phillips, Human Resources Administrator/Board  
Secretary; Travis Franklin, Program Manager; Donella Murillo, Finance  
Supervisor; Ben Voelz, Associate Engineer; Amber Kavert, Human  
Resources Technician; Alan Aragon, Water Distribution Supervisor  
Staff Absent: None  
Associate Directors Present: None  
Associate Directors Absent: None  
General Counsel Present: Ren Nosky, JRG Attorneys at Law  
Public Present: Andrew Ramos, Bartkiewicz, Kronick & Shanahan; and Kimberly Martin

**Public Comment**

No comment.

**1. Proclamations and Announcements**

General Manager Bruce Kamilos recognized Water Distribution Supervisor Alan Aragon for his 10 years of service to the Elk Grove Water District.

**2. Consent Calendar**

- a. Minutes of Community Advisory Committee Meeting of March 21, 2023
- b. Minutes of Regular Board Meeting of March 21, 2023
- c. Minutes of Infrastructure Committee Meeting of April 11, 2023
- d. Accounts Payable Check History – March 2023
- e. Board and Employee Expense/Reimbursements – March 2023
- f. Active Accounts – March 2023
- g. Bond Covenant Status for FY 2022-23 – March 2023
- h. CASH - Detail Schedule of Investments– March 2023
- i. Consultants Expenses – March 2023
- j. Major Capital Improvement Projects – March 2023

Items d and g were pulled for questions. Staff provided answers to the questions.

Vice-chair Paul Lindsay thanked Finance Supervisor Donella Murillo for providing explanations for all checks in the Accounts Payable Check History consent calendar item.

MSC (Scherman/Lindsay) to approve Florin Resource Conservation District Consent Calendar items a-j. 5/0: Ayes: Lindsay, Nelson, Medina, Mulberg, and Scherman.

**3. General Counsel Services**

Mr. Kamilos introduced Andrew Ramos from Bartkiewicz, Kronick & Shanahan (BKS). Mr. Ramos provided an overview of his resume and qualifications for the Florin Resource Conservation District (FRCD) Board of Directors (Board).

**4. Educational Workshop – Advanced Metering Infrastructure**

Mr. Kamilos gave a PowerPoint presentation on Advanced Metering Infrastructure (AMI) to the Board.

**5. Elk Grove Water District Fiscal Year 2022-23 Quarterly Operating Budget Staff Report**

Finance Manager Patrick Lee provided an update to the Board.

In summary, revenues collected through the third quarter of the fiscal year total \$11,948,363 which is 75.27% of the \$15,873,385 annual budget. The revenues are \$80,587 or 0.67% below the same quarter of the prior year due to an overall slight reduction in consumption for the months of July, August, and September 2022 because of conservation efforts.

**6. Elk Grove Water District Fiscal Year 2022-23 Quarterly Capital Reserve Status Report**

Finance Manager Patrick Lee provided an update to the Board.

In summary, through the third quarter of Fiscal Year 2022-23, the District expended \$1,896,597 for capital projects and \$1,887 on elections costs, leaving a remaining total reserve balance on March 31, 2023, of \$17,519,472.

**7. 2024-2028 Water Rate and Connection Fee Study**

Mr. Lee introduced the item to the Board. He provided background on the 2024-2028 Water Rate and Connection Fee Study (Study) and spoke on the Proposition 218 letter that will be sent out after the final draft of the Study has been approved by the Board.

In summary, there are four (4) pieces of information that need to be included in the Proposition 218 process: 1. the amount of the fee or the charge proposed to be imposed upon each identified parcel; 2. the basis upon which the amount of the proposed fee or charge was calculated; 3. the reason for the charge; and 4. the date, time, and location of a public hearing on the proposed fee or charge.

The Board was provided with the Proposition 218 letter and asked to review and provide direction on any changes. Vice-chair Paul Lindsay asked to eliminate “and oral protests” from a paragraph on the last page to eliminate confusion regarding acceptable forms of protests on the day of the Proposition 218 hearing. Staff will also incorporate language from Senate Bill 323 that speaks to the provisions of 120-day statute of limitation for challenging the new increased or extended fee or charge.

**8. Draft Budget Worksheet and Departmental Goals and Objectives for the Florin Resource Conservation District/Elk Grove Water District Fiscal Year 2023-24 Operating Budget**

Mr. Lee presented a PowerPoint presentation on the draft budget.

**9. Exceptional Customer Service Program**

Program Manager Travis Franklin presented the item to the Board. He provided the results of the Customer Service survey that was sent out to the public.

**10. Legislative Matters and Potential Direction to Staff**

Mr. Franklin presented the current legislative matters to the Board.

He informed the Board of Assembly Bill 1637, which would require all local governments to change their websites and email addresses to incorporate “.ca.gov”. Staff will track the progress of this bill.

**11. General Manager's Report**

General Manager Bruce Kamilos presented the item to the Board before turning it over to Mr. Franklin to speak about the State Water Board proposed water use targets.

Mr. Franklin provided an overview of the water use targets looking out to 2030 and beyond. He explained the District is currently in a great spot and already meets all targets up to 2030.

**12. Elk Grove Water District Operations Report – March 2023**

Mr. Kamilos presented the EGWD Operations Report – March 2023 to the Board.

**13. Directors Comments**

Director Sophia Scherman thanked Associate Engineer Ben Voelz for helping a customer with a situation they had.

**14. Closed Session**

Nothing to report.

Adjourn to Regular Board Meeting on May 16, 2023.

Respectfully submitted,

*Stefani Phillips*

Stefani Phillips, Board Secretary

AK/SP



Check History Report

4/1/2023 to 4/30/2023

Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
057201	4/5/2023	ACWA JP	ACWA JP/IA	12,968.67	Workers' Compensation Program - Quarter - 3
057202	4/5/2023	ACWAJPI	CB&T/ACWA-JPIA	64,121.33	Medical Benefits - May 2023
057203	4/5/2023	AQUA ME	AQUA-METRIC SALES, CO.	3,408.66	(2) Invoices - Meters & Auto Read Gun
057204	4/5/2023	BEN RES	BENEFIT RESOURCE, INC	150.00	
057205	4/5/2023	CINTAS2	CINTAS	165.98	
057206	4/5/2023	COVER A	COVERALL NORTH AMERICA, INC	1,050.00	Janitorial Services -ADMIN
057207	4/5/2023	CR KAED	KATHLEEN EDDY	133.71	Account Closed - Customer Refund
057208	4/5/2023	CR LTI	LENNAR TITLE	48.09	Account Closed - Customer Refund
057209	4/5/2023	CRF DBU	DEBRA BURKE	208.03	Account Closed - Customer Refund
057210	4/5/2023	CRF DJO	DOLORES JOHNSON	91.05	Account Closed - Customer Refund
057211	4/5/2023	CRF JCL	JOSEPH CLIFFORD	9.66	Account Closed - Customer Refund
057212	4/5/2023	CRF MMR	M&M REAL ESTATE	189.98	Account Closed - Customer Refund
057213	4/5/2023	CRF NDA	NICK DALEO	69.99	Account Closed - Customer Refund
057214	4/5/2023	CRF NFT	THE NORGAARD FAMILY TRUST	114.79	Account Closed - Customer Refund
057215	4/5/2023	CRF RHP	RHONDA PETRIE	32.30	Account Closed - Customer Refund
057216	4/5/2023	CRF SYL	SYLVIA HARRIS	67.28	Account Closed - Customer Refund
057217	4/5/2023	CRFIR2	FIRST AMERICAN TITLE	32.70	Account Closed - Customer Refund
057218	4/5/2023	DATAPRO	DATAPROSE LLC	211.74	Envelope Imprint - Recurring CC Payment
057219	4/5/2023	DATAPRO	DATAPROSE LLC	13,195.29	Billing & Postage - March & April 2023
057220	4/5/2023	DELPHIA	DELPHIA CONSULTING, LLC	330.00	Contracted Services - Payroll & HR - Custom Format
057221	4/5/2023	FIRECOD	FIRECODE SAFETY EQUIPMENT	150.85	
057222	4/5/2023	FLORIN	FLORIN AUTOMOTIVE REPAIR	147.51	
057223	4/5/2023	HOLT	HOLT OF CALIFORNIA	1,872.50	Back Hoe Rental - Utility Crew
057224	4/5/2023	INT STA	INTERSTATE OIL COMPANY	3,139.13	Fuel
057225	4/5/2023	LIFE ST	LIFE STORAGE #669	247.00	Monthly Storage Rental
057226	4/5/2023	MENDOZA	SALVADOR MENDOZA	100.00	Reimbursement - D3 Test
057227	4/5/2023	OREILLY	O'REILLY AUTO PARTS	25.49	
057228	4/5/2023	PACE	PACE SUPPLY CORP	46,227.21	(3) Invoices - Materials - Water Main Replacement Project
057229	4/5/2023	PEST	PEST CONTROL CENTER INC	85.00	
057230	4/5/2023	RADIAL	RADIAL TIRE OF ELK GROVE	184.50	
057231	4/5/2023	REPUBLI	REPUBLIC SERVICES #922	1,875.46	Trash, Recycle and Organics - MOC
057232	4/5/2023	ROOCO	ROOCO RENTS	1,221.20	Materials - Water Main Replacement Project
057233	4/5/2023	SMUD	SMUD	583.04	
057234	4/5/2023	SOFT RE	SOFTRESOURCES SOFTWARE	12,000.00	ERP Cost Assessment
057235	4/5/2023	SOUTHWE	SOUTHWEST ANSWERING SERVICE,	705.43	After Hours Answering Service - On call
057236	4/5/2023	TRE&TRA	TRENCH & TRAFFIC SUPPLY	4,125.90	(4) Invoices - Rental Equipment - Water Main Replacement Project
057237	4/5/2023	ULTRA	ULTRA TRUCK WORKS, INC	135.00	
057238	4/5/2023	WALKER	WALKER KREATIVE	1,900.00	Social Media Public Outreach Campaign
057239	4/6/2023	BG SOLU	SOLUTIONS BY BG INC.	9,122.50	Daily Tasks/Help Tickets
057240	4/12/2023	AFLAC	AFLAC	1,444.92	

057241	4/12/2023	AMAZON	AMAZON CAPITAL SERVICES	491.05	
057242	4/12/2023	BAY 3	BAY ALARM COMPANY	2,669.75	Monthly Security Monitoring - MOC/ADMIN
057243	4/12/2023	BSK4	BSK ASSOCIATES	2,536.00	Sampling - Treatment
057244	4/12/2023	CAP RUB	CAPITAL RUBBER & GASKET	273.79	
057245	4/12/2023	CDW	CDW GOVERNMENT	3,596.28	Bob Gray Room - Hybrid Team/Zoom Equipment
057246	4/12/2023	CHECK P	CHECK PROCESSORS, INC	346.10	Monthly HBC Payments Processed
057247	4/12/2023	CINTAS2	CINTAS	165.98	
057248	4/12/2023	COUNTY4	SACRAMENTO COUNTY UTILITIES	143.05	
057249	4/12/2023	COVER A	COVERALL NORTH AMERICA, INC	499.00	
057250	4/12/2023	CRF OPL	OPENDOOR LAB, INC	10.06	
057251	4/12/2023	CRF ROJ	RONDA JINES	83.93	Account Closed - Customer Refund
057252	4/12/2023	CRFFTC	FIRST AMERICAN TITLE COMPANY	17.15	Account Closed - Customer Refund
057253	4/12/2023	CRFID13	FIDELITY NATIONAL TITLE	24.26	Account Closed - Customer Refund
057254	4/12/2023	CS BK	CARD SERVICES	2,428.85	Software Programs, Tools, 2023 ACWA Spring Conference Registration - GM
057255	4/12/2023	CS BV	CARD SERVICES	457.94	Supplies, Airfare (ACWA) - Tech Services
057256	4/12/2023	CS DM	CARD SERVICES	62.28	Software Programs, Fuel - Finance
057257	4/12/2023	CS SP	CARD SERVICES	354.25	Meal, Employee Recognition - HR
057258	4/12/2023	DB COLS	DB CONSTRUCTION LANDSCAPE	3,150.00	Landscape & Maintenance - Wellsite's & Offices
057259	4/12/2023	DE NORA	DE NORA WATER TECHNOLOGIES,	70,010.56	Chlorotec System Replacement Project - CIP
057260	4/12/2023	HACH	HACH COMPANY	867.36	Materials - Treatment
057261	4/12/2023	HANFORD	HANFORD SAND & GRAVEL, INC	215.77	
057262	4/12/2023	IWATER	IWATER, INC	975.00	* Annual USA 811 Ticketing Software
057263	4/12/2023	JAYS	JAY'S TRUCKING SERVICE	3,574.00	(2) Invoices - Materials, Dump Fees - Water Main Replacement Project CIP
057264	4/12/2023	JRG	JRG ATTORNEYS, LLP	2,158.09	Legal - March 2023
057265	4/12/2023	MISCOWA	MISCOWater	569.75	Materials - Treatment
057266	4/12/2023	PACE	PACE SUPPLY CORP	1,566.19	(3) Invoices - Materials - Utility Crew/Distribution
057267	4/12/2023	PAULA M	PAULA MAITA & COMPANY	87.28	
057268	4/12/2023	PEST	PEST CONTROL CENTER INC	84.00	
057269	4/12/2023	ROOCO	ROOCO RENTS	2,731.42	(2) Invoices - Materials - Water Main Replacement
057270	4/12/2023	SIERRA	SIERRA OFFICE SUPPLIES	16.51	
057271	4/12/2023	SMUD	SMUD	996.82	
057272	4/12/2023	SMUD	SMUD	496.61	
057273	4/12/2023	SMUD	SMUD	6,953.48	
057274	4/12/2023	SMUD	SMUD	7,042.58	
057275	4/12/2023	SMUD	SMUD	1,144.85	
057276	4/12/2023	SMUD	SMUD	50.46	
057277	4/12/2023	SMUD	SMUD	3,301.16	
057278	4/12/2023	SMUD	SMUD	1,116.32	
057279	4/12/2023	SWRCB2	SWRCB-DWOCP	90.00	Application For D3 - Brandon Kent
057280	4/12/2023	VERIZON	VERIZON WIRELESS	584.35	MIFI & On call Phone Services



057326	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057327	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057328	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057329	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057330	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057331	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057332	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057333	4/19/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057334	4/19/2023	SHAW	STEVE SHAW	369.96	Mileage Reimbursement - AWWA Spring Conference
057335	4/19/2023	SWRCB2	SWRCB-DWOCP	110.00	Certification Renewal - Wastewater Treatment Operator - Steve Shaw
057336	4/19/2023	TEICH A	TEICHERT AGGREGATES	1,241.55	Materials - Water Main Replacement Project - CIP
057337	4/19/2023	USBANK	U.S. BANK EQUIPMENT FINANCE	816.94	Copter - ADMIN
057338	4/19/2023	USS	UNITED SITE SERVICES	1,219.56	Rental Equipment - Utility Crew
057339	4/19/2023	WRT/LOP	WRT	600.00	Filter Vessel Replacement - Laboratory Sieve Analysis
057340	4/26/2023	AFLAC	AFLAC	1,444.92	Voluntary Employee Paid Benefits
057341	4/26/2023	ALL STA	ALL STAR RENTS	3,705.18	Rental Equipment - Treatment Filter Vessel Project
057342	4/26/2023	AMAZON	AMAZON CAPITAL SERVICES	212.17	(3) Invoices - Supplies - ADMIN/MOC
057343	4/26/2023	BADAWI	BADAWI & ASSOCIATES	11,778.75	FY 2023 Audit - Progress Billing #1
057344	4/26/2023	BG SOLU	SOLUTIONS BY BG INC.	374.00	Reimbursement - Software Program - Customer Service Portal
057345	4/26/2023	BSK4	BSK ASSOCIATES	1,067.00	Sampling - Treatment
057346	4/26/2023	CAL CUT	CALIFORNIA CUT & CORE, INC	531.25	Flat Saw - Water Main Replacement Project CIP
057347	4/26/2023	CCPPM	CCPPM	93.25	
057348	4/26/2023	CINTAS2	CINTAS	165.98	Dump Fees - Utility Crew
057349	4/26/2023	COUNTY3	COUNTY OF SACRAMENTO	135.45	Account Closed - Customer Refund
057350	4/26/2023	CR KWE	KARINA WEST	109.49	Account Closed - Customer Refund
057351	4/26/2023	CR SCO	STEVE COLEN	32.19	Account Closed - Customer Refund
057352	4/26/2023	CRF JVE	JOSEPH R VEIGA	144.34	Account Closed - Customer Refund
057353	4/26/2023	CRF OPL	OPENDOOR LAB, INC	62.37	Account Closed - Customer Refund
057354	4/26/2023	CRF RHF	RHONDA PHILLIPS	109.79	Account Closed - Customer Refund
057355	4/26/2023	CRF SBU	SCOTT BUCHANAN	70.43	Account Closed - Customer Refund
057356	4/26/2023	DELPHIA	DELPHIA CONSULTING, LLC	495.00	Contracted Services - Payroll & HR
057357	4/26/2023	INT STA	INTERSTATE OIL COMPANY	468.37	Fuel
057358	4/26/2023	LCW	LIEBERT CASSIDY WHITMORE	124.50	Legal - March 2023
057359	4/26/2023	PACE	PACE SUPPLY CORP	3,950.06	(4) Invoices - Materials & Supplies - CIP/Distribution
057360	4/26/2023	PEST	PEST CONTROL CENTER INC	84.00	
057361	4/26/2023	ROOCO	ROOCO RENTS	4,470.50	(3) Invoices - Materials - Water Main Replacement Project
057362	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057363	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057364	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057365	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release

057366	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057367	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057368	4/26/2023	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
057369	4/26/2023	SAC EAC	SACRAMENTO EAC	25.00	Webinar - HR
057370	4/26/2023	SIERRA	SIERRA OFFICE SUPPLIES	304.15	
057371	4/26/2023	SUMMIT	AIR WORKS INC	255.00	
057372	4/26/2023	TRUEPOI	TRUEPOINT SOLUTIONS	11,750.00	*Annual TruePont Software Subscription

**Total:** 429,715.13

**BOARD AND EMPLOYEE MONTHLY EXPENSE/REIMBURSEMENTS**

**As of 4/30/2023**

<b>INDIVIDUAL</b>	<b>DESCRIPTION</b>	<b>AMOUNT PAID</b>
Sean Hinton	Boot Reimbursement	\$323.09
Bruce Kamilos	ACWA Spring Conference Registration	\$815.00
Sal Mendoza	Reimbursement D3 Test	\$100.00
Paul Lindsey	ACWA Spring Conference Registration	\$815.00
Tom Nelson	ACWA Spring Conference Registration	\$815.00
Steve Shaw	Mileage Reimbursement - AWWA Spring Conference	\$369.96
Steve Shaw	Certification Renewal - Waste Water Treatment Operator	\$110.00
Ben Voelz	AWWA Spring Conference - Airfare	\$307.97
		<b>\$3,656.02</b>

**Active Account Information  
As of 4/30/2023**

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
<b>Water Accounts:</b>												
<b>Metered</b>												
Residential	12,303	12,292	12,293	12,289	12,300	12,299	12,302	12,298	12,296	12,297		
Commercial	361	361	360	361	360	360	360	360	360	360		
Irrigation	185	187	186	186	186	187	187	188	188	188		
Fire Service	186	186	187	187	187	187	187	187	187	188		
<b>Total Accounts</b>	<b>13,035</b>	<b>13,026</b>	<b>13,026</b>	<b>13,023</b>	<b>13,033</b>	<b>13,033</b>	<b>13,036</b>	<b>13,033</b>	<b>13,031</b>	<b>13,033</b>	<b>-</b>	<b>-</b>

**Active Account Information  
FY 2021/2022**

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
<b>Water Accounts:</b>												
<b>Metered</b>												
Residential	12,305	12,318	12,300	12,309	12,299	12,312	12,300	12,293	12,312	12,297	12,293	12,314
Commercial	362	363	362	362	362	363	362	362	362	366	361	361
Irrigation	183	183	183	183	183	183	184	184	185	186	184	185
Fire Service	183	183	183	183	183	184	184	184	185	188	185	186
<b>Total Accounts</b>	<b>13,033</b>	<b>13,047</b>	<b>13,028</b>	<b>13,037</b>	<b>13,027</b>	<b>13,042</b>	<b>13,030</b>	<b>13,023</b>	<b>13,044</b>	<b>13,037</b>	<b>13,023</b>	<b>13,046</b>

**Bond Covenant Status  
For Fiscal Year 2022-23  
As of 4/30/2023**

<b>Operating Revenues:</b>		
<b>Charges for Services</b>	\$	13,047,813
<b>Operating Expenses:</b>		
Salaries & Benefits		3,385,884
Seminars, Conventions and Travel		26,563
Office & Operational		1,110,978
Purchased Water		2,572,984
Outside Services		712,482
Equipment Rent, Taxes, and Utilities		439,685
Total Operating Expenses		<u>8,248,577</u>
<b>Net Operating Income</b>	<b>\$</b>	<b><u>4,799,236</u></b>
Annual Interest & Principal Payments		
\$3,883,204	\$	3,236,003 (1)
<b>Debt Service Coverage Ratio, YTD Only:</b>		<b>1.48</b>
<b>Required</b>		<b><u>1.15</u></b>

**Notes**

1. Reflects budget divided by number of months year to date.  
However, first Principal/Interest Payments made in September.  
Projected Annual Budget Coverage Ratio is **1.29**





Consultant Expenses  
As of 4/30/2023

**Fiscal Retainer Contracts**

	Description	Total Contract	Current Month	Paid to date	2022-2023 FY Budget	Percent of year (83.3%)
JRG Attorneys, LLP	Task orders	TBD	\$ 2,158	\$ 16,627		
Liebert Cassidy Whitmore	Task orders	TBD	\$ 125	\$ 2,684		
<b>Total</b>			<b>\$ 2,283</b>	<b>\$ 19,311</b>	<b>\$ 145,000</b>	<b>13.32%</b>
Solutions by BG, Inc.	Task orders	792,676	\$ 18,245	\$ 211,764	\$ 255,840	82.77%

**Major Contracts**

Consultant	Description	Total Contract	Paid to date	2022-2023 FY Budget	Percent of Contract
*Earl Consulting	PSA	\$ 78,000	\$ -	\$ 75,447	96.73%
**MFDB Architects	PSA	\$ 205,270	\$ -	\$ 202,039	98.43%
A.P. Thomas (Construction)	PSA	\$ 2,554,565	\$ -	\$ 2,461,128	96.34%

\*Change Order to Amend Contract for an additional \$10,000, issued on 11/14/2021. Change order issued for \$28,000 on 2/25/22. Original Contract amount was \$40,000.

\*\*Change Order to Amend Contract for an additional \$12,770.00. Original Contract amount was \$192,500.

		\$ 2,837,835	\$ 2,738,614		96.50%
--	--	--------------	--------------	--	--------

Major Capital Improvement Project  
Budget vs Actuals  
As of 4/30/2023

Capital Project	Total Project Budget	Total Project Exp to Date	Percent Spent	Capitalized Labor	Fund Type	Project Type	2022-23 Budget	Project Exp	Total YTD (1)	YTD % Spent	% of Project Complete
Locus/Summit Alley Water Main	635,000	31,045	4.89%	\$ 18,187	R&R	Supply/Distribution	\$ 635,000	\$ 5,854	\$ 31,045	4.89%	5%
2nd Ave Water Main	188,000	223,530	118.90%	100,513	R&R	Supply/Distribution	188,000	-	212,586	113.08%	100%
Truman St/Adams St Water Main	129,000	99,941	77.47%	54,277	R&R	Supply/Distribution	129,000	-	99,941	77.47%	85%
Elk Grove Blvd/Grove Street Alley Water Main	376,000	300,922	80.03%	87,231	R&R	Supply/Distribution	376,000	123,699	300,922	80.03%	85%
ChlorTech System Replacements	150,000	140,021	93.35%	-	R&R	Supply/Distribution	150,000	70,011	140,021	93.35%	30%
Media Replacement - RRWTP Filter Vessel	90,000	93,297	103.66%	7,059	R&R	Treatment	90,000	9,407	93,297	103.66%	100%
Backup IT Server Replacements	30,000	26,575	88.58%	-	R&R	Building and Site	30,000	-	26,575	88.58%	100%
9829 Waterman Rd	3,238,028	3,039,932	93.88%	-	CIP	Building and Site	1,281,316	-	1,083,219	84.54%	100%
Brinkman Transmission Main	50,000	-	0.00%	-	CIP	Supply/Distribution	50,000	-	-	0.00%	0%
Service Line Replacements (Paving)	85,000	83,932	98.74%	-	CIP	Supply/Distribution	85,000	-	83,932	98.74%	100%
Truck Replacement	65,337	-	0.00%	-	CIP	Building and Site	65,337	-	-	0.00%	0%
Unforeseen Capital Projects	100,000	34,029	34.03%	-	-	-	100,000	-	34,029	34.03%	-
Sub-Total	\$ 5,136,365	\$ 4,073,224	79.30%	\$ 267,267			\$ 3,179,653	\$ 208,970	\$ 2,105,567	66.22%	

(1) Includes \$267,267 in capitalized labor through 04/30/2023

(2) Includes unforeseen capital projects, including:

Radio Antenna Well 4D	\$ 435
Radio Antenna Well 4D	170
Aqua Sierra - VFD	3,550
County Permit - Well 8	182
Aqua Sierra - VFD	10,000
Pace Supply - Sara Street	2,114
Eagle Welding	17,578
<b>Total</b>	<b>\$ 34,029</b>

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Treasurer

SUBJECT: **YEAR TO DATE REVENUES AND EXPENSES COMPARED TO BUDGET – APRIL 2023**

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### **RECOMMENDATION**

This item is presented for discussion purposes only. No action by the Florin Resource Conservation District Board of Directors is requested at this time.

### **SUMMARY**

Per the Florin Resource Conservation District (District) Board of Directors (Board) request, consent item – Year-To-Date Revenues and Expenses Compared to Budget is being included in the Board packet as a standalone agenda item.

### **DISCUSSION**

#### **Background**

The Year-To-Date Revenues and Expenses Compared to Budget was a standing item included in the monthly consent calendar presented to the Board each month. The Board requested that staff remove the report from consent calendar and include it as a standalone agenda item for discussion purposes for all future Board meetings.

#### **Present Situation**

The Year-To-Date Revenues and Expenses Compared to Budget report for April 2023 is being provided to the Board for review and discussion.

### **ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

May 16, 2023

**YEAR TO DATE REVENUES AND EXPENSES COMPARED TO BUDGET – APRIL 2023**

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**STRATEGIC PLAN CONFORMITY**

This item conforms to the FRCD/Elk Grove Water District 2020-2025 Strategic Plan Goal No. 1, Governance and Customer Engagement by providing transparency in the District's financial operations.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully Submitted,



PATRICK LEE  
TREASURER

Attachment

**Elk Grove Water District**  
**Year to Date Revenues and Expenses Compared to Budget**  
**As of April 30, 2023**

	General Ledger Reference	YTD Activity	Annual Budget	10/12=83.33% % Realized
Revenues	4100 - 4900	\$ 13,047,813	\$ 15,873,385	82.20%
Operating Expenses				
Salaries & Benefits	5100 - 5280	3,654,483	4,847,546	75.39%
less Capitalized Labor		(267,267)	(459,089)	58.22%
Less CalPERS Prepayment for Remainder of Year: (1)		(1,332)		
Adjusted Salaries and Benefits:		\$ 3,385,884	\$ 4,388,457	77.15%
Seminars, Conventions and Travel	5300 - 5350	26,563	40,393	65.76%
Office & Operational	5410 - 5494	1,110,978	1,402,320	79.22%
Purchased Water est. (1)	5495 - 5495	2,572,984	3,455,261	74.47%
Outside Services	5505 - 5580	712,482	1,077,032	66.15%
Equipment Rent, Taxes, Utilities	5620 - 5760	439,685	499,674	87.99%
Total Operational Expenses		\$ 8,248,577	\$ 10,863,137	75.93%
Net Operating Income		\$ 4,799,236	\$ 5,010,248	95.79%
Non-Operating Revenues				
Interest Received	9910 - 9910	103,004	25,000	412.02%
Unrealized Gains/(Losses)	9911 - 9911	79,152	-	100.00%
Other Income/(Expense)	9920 - 9973	103,218	263,105	39.23%
Total Non-Operating Revenues		\$ 285,374	\$ 288,105	99.05%
Non-Operating Expenses				
Election Costs	9950 - 9950	1,887	250,000	0.75%
Capital Expenses (2):				
Capital Improvements	1705 - 1760	1,167,151	1,481,653	78.77%
Capital Replacements	1705 - 1760	904,387	1,598,000	56.59%
Unforeseen Capital Projects	1705 - 1760	34,029	100,000	34.03%
Total Capital Expenses:		\$ 2,105,567	\$ 3,179,653	66.22%
Bond Interest Accrued (3)	7300 - 7300	1,102,670	1,323,204	83.33%
Total Non Operating Expenses		\$ 3,210,124	\$ 4,752,857	67.54%
Bond Retirement (3):		\$ 2,133,333	\$ 2,560,000	83.33%
Total Expenditures		13,306,660	17,887,889	74.39%
Revenues in Excess of All Expenditures, including Capital		\$ (258,848)	\$ (2,014,504)	12.85%

**Notes:**

1. There is a lag in water billings from the Sacramento County Water Agency. Included above is an estimate of costs to date based on water used.
2. YTD Activity includes \$267,267 in capitalized labor charged to capital projects.
3. Bond retirement payments are made two times a year in September and March
4. Accounts receivable balance, which represents the difference between the total amount billed and total amount collected, as of April 30, 2023 is \$101,019.76

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Bruce Kamilos, General Manager

SUBJECT: **EDUCATIONAL WORKSHOP – LEVERAGING TECHNOLOGY**

### **RECOMMENDATION**

This item is presented for information only. No action by the Florin Resource Conservation District Board of Directors is requested at this time.

### **SUMMARY**

Staff members have been presenting a series of short workshops to the Florin Resource Conservation District/Elk Grove Water District (District) Board of Directors (Board) on important water-related issues. This month, Engineering Technician I Richard Ko will demonstrate how the District is using technology to improve the efficiency of District operations.

### **DISCUSSION**

#### **Background**

District staff have been, and continue to, explore ways to use technology to improve efficiency of operations. In a relatively short period of time a lot of progress has been made in this area.

#### **Present Situation**

Richard Ko, who is the District's Engineering Technician I, is skilled at developing geographical information systems (GIS) applications. One of the applications Mr. Ko has developed transforms the District's daily well check program from a manual process to a digital process. Another application graphically shows the priority score for replacing all District-owned water mains.

Additionally, the District has implemented a third-party software program to transform the Underground Service Alert (USA) ticketing operation from a manual process to a digital process. All the applications are making the District more efficient in its work processes. Mr. Ko will demonstrate these applications for the Board.

**EDUCATIONAL WORKSHOP – LEVERAGING TECHNOLOGY**

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**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

This item conforms to Strategic Goal 3, Planning and Operational Efficiency, of the District's 2020-2025 Strategic Plan. Leveraging technology is an important element to increasing operational efficiency of the District.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully submitted,



BRUCE KAMILOS  
GENERAL MANAGER



May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District  
FROM: Patrick Lee, Finance Manager/Board Treasurer  
SUBJECT: **2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

### **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors:

1. Approve the 2024-2028 Water Rate Study subject to the receipt and consideration of any protests and comments received before and during the public hearing conducted in compliance with Proposition 218;
2. Approve the 2024 Capacity Fee Study Report subject to the receipt and consideration of comments received during a public hearing;
3. Direct staff to initiate the Proposition 218 compliance process for the 2024-2028 Water Rate Study, including the mailing of a notice of the public hearing for the consideration of the proposed water rates to the record owners of property to be subject to the water service fees and any tenants who are directly liable for the payment of the water service fees.

### **SUMMARY**

The Florin Resource Conservation District (District) has retained the consulting firm Raftelis to complete the 2024-2028 Water Rate Study and the 2024 Connection Fee Study (Studies) for the Elk Grove Water District (EGWD). At the February 21, 2023 regular board meeting, the District Board of Directors (Board) directed staff to have Raftelis proceed with the 2024-2028 Water Rate Study utilizing a financial model reflecting a 4.5% annual revenue adjustment for the calendar years 2024-2028.

The recommended water service rates and recommended connection fee rates were presented to the Board at the March 21, 2023 regular board meeting. At that meeting, the Board directed staff to proceed with drafting the Proposition 218 public hearing notice for the 2024-2028 Water Rate Study and to have Raftelis move forward with finalizing the Studies. The Proposition 218 public hearing notice was presented to the Board at the April 18, 2023 regular board meeting and the comments received have been incorporated into a final draft.

**2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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If acted upon, the Board will approve the 2024-2028 Water Rate Study subject to the receipt and consideration of any protests and comments received before and during the public hearing conducted in compliance with Proposition 2018. The Board will also approve the 2024 Capacity Fee Study subject to the receipt and consideration of comments received during a public hearing.

The District is legally required to comply with the requirements of Proposition 218 before a water rate adjustment can be approved. By this action, the Board will also direct staff to proceed with the Proposition 218 public hearing and notice process which will provide an opportunity for EGWD rate payers to protest any rate adjustments considered by the Board of Directors.

**DISCUSSION**

**Background**

As part of the Florin Resource Conservation District 2020-2025 Strategic Plan, the District is due to conduct a review of the Elk Grove Water District water rates to ensure revenues will be sufficient to cover operational costs, debt service costs and capital costs while adhering to the District's reserve policy and complying with major bond covenants for the years 2024-2028. The last water rate study was completed and adopted by the Board in June 2018. A new water rate study was identified by the Board as a key objective for fiscal year 2022-2023.

In October 2022 the Board retained Raftelis to conduct an extensive review of the EGWD's revenue requirements and prepare a new water rate study which would include a financial plan, a cost-of-service analysis, and a rate design plan. A separate study was also conducted to review the EGWD's connection fees (i.e., capacity charges).

A Community Advisory Committee (CAC), comprising of ten (10) EGWD rate payers, was formed to provide the EGWD with input regarding the 2024-2028 Water Rate Study. There have been four meetings where the CAC and public has had an opportunity to provide comments and input on the study. The CAC and public have contributed valuable assistance and input to ensure that the information and work products are accurate and equitable.

The following is a timeline of the meetings and discussions that took place on the development of the 2024-2028 Water Rate Study and the 2024 Capacity Fee Study.

## **2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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At a public meeting on December 13, 2022, staff met with the CAC and the Board to conduct a Water Rate Study 101 presentation to go over water rate setting principles and expectations.

At a public meeting on January 17, 2023, staff met again with the CAC and the Board to review the first draft of the 10-year financial plan developed by Raftelis based on projected inflation, projected customer growth, projected demand growth, projected capital spending needs and projected operating expense escalations as developed through discussions with District staff. Raftelis developed three (3) different financial plan scenarios which were presented to both the CAC and the Board showing the effect on the District's future minimum reserve requirements as described below:

- Scenario 1: A do-nothing case (0%, 0%, 0%, 0%, 0%) resulting in negative minimum reserve cash balances by fiscal year end (FYE) 2027 and beyond and the District falling out of compliance with its debt covenant ratio by FYE 2027.
- Scenario 2: Revenue adjustments of 4%, 4%, 3%, 2.5%, 2.5% over five (5) years assuming water demand and customer growth of 1.5% per year resulting in the District projecting to barely meet its minimum reserve cash balances in FYE 2028 and FYE 2029.
- Scenario 3: Revenue adjustments of 4%, 4%, 4%, 2.5%, 2.5% over five (5) years assuming water demand and customer growth of 1.5% per year resulting in the District projecting to have a slightly positive minimum reserve cash balance in FYE 2028 and positive reserve cash balances in other years.

Both the CAC and the Board requested that Raftelis run an additional scenario where water demand is based on the FYE 2022 water demand volume and held constant for all future years. The CAC felt that this scenario would provide a conservative approach to manage the District's fiscal needs in the case of mandated water conservation efforts related to drought conditions, and as water conservation increasingly becomes a California way of life.

District staff worked with Raftelis to 1) run a 0% growth water demand scenario (Scenario 4); and 2) an additional scenario (Scenario 5) where 5-year revenue adjustments were held to 4% for all five (5) years. The results of the 2 additional scenarios were presented to both the CAC and the Board during public meetings on February 21, 2023 and were as follows:

- Scenario 4: Water demand growth held at 0% resulted in revenue adjustments of 4.5%, 4.5%, 4.5%, 4.5%, 4.5%. This scenario yielded a slightly positive minimum reserve cash balance in FYE 2028 and positive reserve cash balances in other

**2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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years. This conservative approach allows the District the greatest flexibility to manage required rate increases based on actual inflation, operating results and projected budgets.

- Scenario 5: Revenue adjustments held at 4%, 4%, 4%, 4%, 4% required a water demand growth of 0.9% (Scenarios 1-3 assumed 1.5% and Scenario 4 assumed 0%) per year to meet projected cash balance needs. This scenario resulted in a zero minimum reserve cash balance in FYE 2028 and positive reserve cash balances in other years. Scenario 5 also provides the District with a higher level of flexibility to manage required rate increases based on actual inflation, operating results and projected budgets.

Staff received direction from the Board to have Raftelis proceed with a cost-of-service analysis utilizing a financial plan with the recommended adjustments from scenario 4, reflecting a 4.5% revenue adjustment in developing the rate design for calendar years 2024-2028.

Raftelis completed a cost-of-service analysis which involves going through the District's total cost to operate the water system and functionalizing those costs based on whether they are supply and delivery related costs, conservation related costs, extra capacity related costs, meter maintenance related costs or customer service-related costs. These functionalized costs are then categorized as volumetric or fixed, with supply and delivery, conservation and a portion of extra capacity categorized as volumetric and meter maintenance, customer service and the remaining portion of extra capacity categorized as fixed. These costs are then further allocated to customer classes based on customer usage characteristics and meter sizes.

Using this exercise, along with the utilization of American Water Works Association (AWWA) hydraulic capacity ratios by meter type and size, Raftelis developed an updated water rate structure with recommended volumetric and fixed rates for all customer classes and meter sizes.

In addition to the cost of service and water rate design that was completed, Raftelis also completed the preliminary analysis on the connection/capacity fee study. Capacity fees are fees paid to the District as a one-time charge for all new development requiring water from the District for the purpose of reimbursing existing customers for their investment in the water system.

The results of the rate design set forth the recommended revenue rate increases for the next five (5) calendar years. The water rate design and preliminary results of the connection/capacity fee study were presented to the CAC and Board during a public

## **2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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meeting on March 21, 2023. At that board meeting, staff received direction from the Board to proceed with drafting the Proposition 218 public hearing notice and to have Raftelis move forward with finalizing both the water rate study and the connection/capacity fee study.

Prior to the adoption of any adjustments in water rates, the District must comply with several procedural requirements, including those established by Proposition 218. Proposition 218 was passed by voters in 1996 and, for water rate adjustments, established a specific process for giving notice and receiving protests. Before considering any water rate adjustments, the District must follow the procedure required by Proposition 218.

Proposition 218 requires that the public agency proposing to impose a new or increase to an existing property-related fee or charge, such as water service fees, hold a public hearing and provide written notice by mail of the public hearing. The written notice must be mailed to the record owner of each parcel upon which the fee or charge will be imposed and any tenant who is directly liable for the payment of the fee or charge (i.e., a customer of record). The notice must contain the following information:

- The amount of the fees proposed to be imposed;
- The basis upon which the fees were calculated;
- A statement regarding the reason for the imposition of the new, or increase to the existing fees; and
- The date, time and location of the public hearing at which the legislative body will consider the new fees or proposed increases to the existing fees.

The draft Proposition 218 public hearing notice was reviewed with Raftelis and District legal counsel to ensure compliance with the required noticing components for Proposition 218. At the April 18, 2023 regular board meeting, staff presented to the Board the draft Proposition 218 public hearing notice for review and discussion. Board input has been incorporated into a final draft of the notice for distribution to EGWD customers and property owners in accordance with the minimum 45-day notice period.

### **Present Situation**

Raftelis has completed the final drafts of the 2024-2028 Water Rate Study (Attachment 1) and the 2024 Capacity Fee Study (Attachment 2) and staff is bringing the reports to the Board for approval. If acted upon, the Board will approve the 2024-2028 Water Rate Study subject to the receipt and consideration of any protests and comments received before and during the public hearing conducted in compliance with Proposition 2018. The Board

**2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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will also approve the 2024 Capacity Fee Study subject to the receipt and consideration of comments received during a public hearing.

The next step in the process is the public hearing to consider the adoption of the proposed rate adjustments to the water service fees. The public hearing must be conducted on the date and time stated in the notice, but in any event shall not be held less than 45 days after the notice of the proposed fees and public hearing is mailed. At the public hearing, the District must hear and consider all public comments regarding the fees, but only written protests submitted prior to the close of the public hearing may be considered when determining whether a majority protest against the imposition of the fees exists. Upon the conclusion of the public hearing, if a majority protest doesn't exist, the Board may proceed with imposing the proposed rate increases to the water service fees.

California Government Code section 53755(b) dictates the process for determining whether a majority protest exists. It provides that one protest per parcel, filed by an owner or a tenant of a parcel subject to the fee or charge, "shall be counted in calculating a majority protest to a proposed new or increased fee or charge subject to the requirements of "Article XIII D, section 6."

Proposition 218 further requires that the proposed fee or increase may not be imposed or increased if a majority of owners of identified parcels and customers of record submit written protests against the proposed rate increases. In determining whether a majority protest exists, only one protest per parcel, filed by an owner or a customer of record of a parcel subject to the proposed fees, shall be counted.

The recommendations made in this report are supported by the members of the Community Advisory Committee.

**ENVIRONMENTAL CONSIDERATIONS**

There are no environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

The recommendations made in this report conform to Strategic Goal 2 – Fiscal Responsibility of the District's Fiscal Year 2020-2025 Strategic Plan to conduct the 2024-2028 Water Rate and Connection Fee Study.

May 16, 2023

**2024-2028 WATER RATE STUDY AND CONNECTION FEE STUDY**

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**FINANCIAL SUMMARY**

Because the final adoption of the 2024-2028 Water Rate Study and the 2024 Capacity Fee Study are not being requested at this time, there is no financial impact associated with this item.

If approved, there will be an approximate cost of \$16,000 for the Proposition 218 public hearing notice printing and mailing, and \$1,500 for the public hearing notice to be published in the local newspaper.

Respectfully submitted,



PATRICK LEE  
FINANCE MANAGER/TREASURER

Attachments

**FLORIN RESOURCE CONSERVATION  
DISTRICT / ELK GROVE WATER DISTRICT**

**Water Rate Study**

**FINAL REPORT / MAY 2, 2023**







May 2, 2023

Mr. Bruce Kamilos, PE  
General Manager  
Florin Resource Conservation District / Elk Grove Water District  
9829 Waterman Rd.  
Elk Grove, CA 95624

**Subject: Water Rate Study - Draft**

Dear Mr. Kamilos:

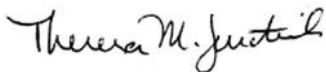
Raftelis Financial Consultants, Inc. (Raftelis) is pleased to provide this Water Rate Study report for the Florin Resource Conservation District / Elk Grove Water District (District). This report explains the methodologies and rationale used to develop the financial plan and rates for water service within the District's service areas that align with the requirements of Proposition 218.

The major study objectives include the following:

- Develop a financial plan for the water enterprise to ensure financial sufficiency, meet operational and maintenance (O&M) costs, maintain sufficient funding for capital refurbishment and replacement (R&R) needs, and meeting debt service requirements and bond covenant ratio;
- Conduct a cost-of-service analysis for water services;
- Develop fair and equitable water rates over a five-year period; and
- Conduct a customer impact analysis for the proposed water rates.

It has been a pleasure working with you, and we thank you and District staff for the support provided during the course of this study.

Sincerely,



**Theresa Jurotich, PE (KS, WA), PMP**  
*Manager*



**Charles Diamond**  
*Analyst*

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# Appendices

- Appendix A: Water System Capital Projects
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# 1. Executive Summary

## 1.1. Background

In 2022, the Florin Resource Conservation District / Elk Grove Water District (District) engaged Raftelis to conduct a water rate study to update rates and charges for water for the fiscal years ending (FYE) 2024 – FYE 2028 that align with Proposition 218. While the District's fiscal year is July 1 through June 30, District rates are typically effective January 1 of each fiscal year.

The major study objectives include the following:

- Develop a financial plan for the water enterprise to ensure financial sufficiency, meet operational and maintenance (O&M) costs, maintain sufficient funding for capital refurbishment and replacement (R&R) needs, and meet debt service and bond covenant ratio requirements;
- Conduct a cost-of-service analysis for water services;
- Develop fair and equitable water rates over a five-year period; and
- Conduct a customer impact analysis for the proposed water rates.

## 1.2. Process and Approach

The study is informed by the District's policy objectives, the current water system rates, and the legal requirements in California (namely, Proposition 218). The resulting cost-of-service analysis and rate design process considers all these factors and follows four key steps, outlined below, to derive proposed rates that fulfill the District's policy objectives, meet industry standards, and align with Proposition 218.

### 1.2.1. Step 1: Financial Plan and Revenue Requirement Calculation

The rate-making process begins by developing a multi-year financial plan, which is used to determine the revenue adjustment and for determining the revenue requirement for the base year, also known as the test year or rate-setting year. The base year for this study is FYE 2024 (July 1, 2023 to June 30, 2024). The revenue requirement should sufficiently fund the utility's O&M costs, annual debt service, capital project expenses, and reserve funding as projected in the District's budgets.

### 1.2.2. Step 2: Cost-of-Service Analysis

The annual cost of providing the utility service, or the revenue requirement, is then distributed among customer classes commensurate with their use and burden on the system. A cost-of-service analysis involves the following steps:

- Functionalize costs – the O&M expense budget is categorized into functions such as supply, treatment, pumping, transmission and distribution (T&D), etc.
- Allocate to cost components – the functionalized costs are then allocated to system cost components such as supply, delivery, peaking, conservation, etc.
- Develop unit costs – unit costs for each cost component are determined using appropriate units-of-service for each.
- Distribute cost components – the cost components are allocated to each customer class using the unit costs in proportion to their demand and burden on the system.



A cost-of-service analysis considers both the average water demand and peak demand. Peaking costs are incurred during maximum consumption periods, most often coinciding with summertime irrigation use. Additional capacity-related costs are associated with designing, constructing, operating, maintaining, replacing, and refurbishing facilities to meet peak demand. These peaking costs must be allocated to the customer classes whose water demand patterns generate additional costs for the utility, proportionate to their burden on the peaking-related facilities.

### 1.2.3. Step 3: Rate Design and Calculation

After allocating the revenue requirement for each cost component to its corresponding customer classes, the rate design and calculation process can begin. Rates do more than simply recover costs; within the legal framework and industry standards, properly designed rates should support the District's policy objectives while adhering to cost-of-service principles. Rates are not only a financial instrument but act as a public information tool in communicating policy objectives to customers. The rate design process also includes a rate impact analysis for all customer classes and a sample customer bill impact analysis.

### 1.2.4. Step 4: Report Preparation and Rate Adoption

The final step in a cost-of-service and rate study is to develop the report in preparation for the rate adoption process. The report documents the rate study results and presents the methodologies, rationale, justifications, and calculations utilized to derive the proposed rates. A thorough and methodical report serves three important functions: fully deriving the rates, showing the nexus to costs, and communicating the rate adoption process to customers and other important stakeholders.

## 1.3. Water Summary

### 1.3.1. Financial Plan

Table 1-1 displays the proposed water revenue adjustments over the study period (FYE 2024 to FYE 2028). The current financial plan shows that revenue adjustments are required to adequately fund all operating expenses, debt coverage requirements, and achieve reserve policy targets.

**Table 1-1: Proposed Retail Water Revenue Adjustments**

Fiscal Year	Effective Month	Proposed Revenue Adjustment
2024	January	4.5%
2025	January	4.5%
2026	January	4.5%
2027	January	4.5%
2028	January	4.5%

Figure 1-1 illustrates the water operating financial plan for FYE 2023 – FYE 2028. Revenues from proposed rates are sufficient to recover O&M costs (including water supply), capital improvements, and debt service while maintaining reserves that will be drawn by the District to fund future capital improvement needs.

Figure 1-1: Water Operating Financial Plan

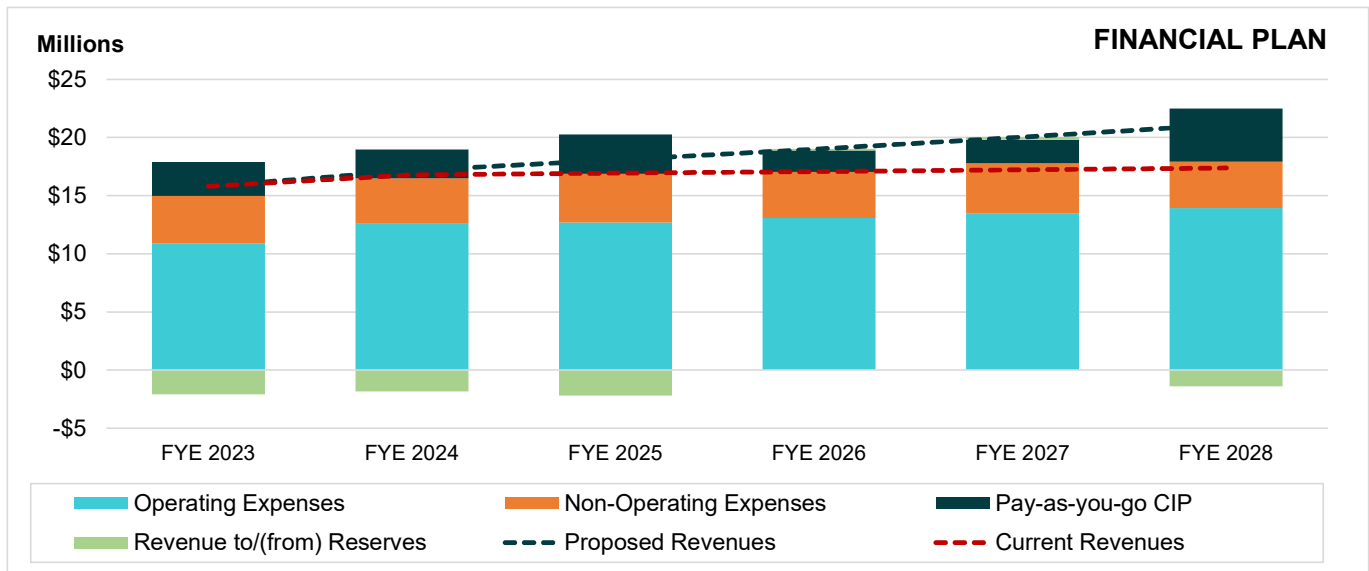


Figure 1-2 illustrates the ending reserve balances and targeted balances for FYE 2023 – FYE 2028. Ending reserve balances show a planned draw upon reserves to accomplish planned capital improvements.

Figure 1-2: Estimated Water Ending Fund Balances

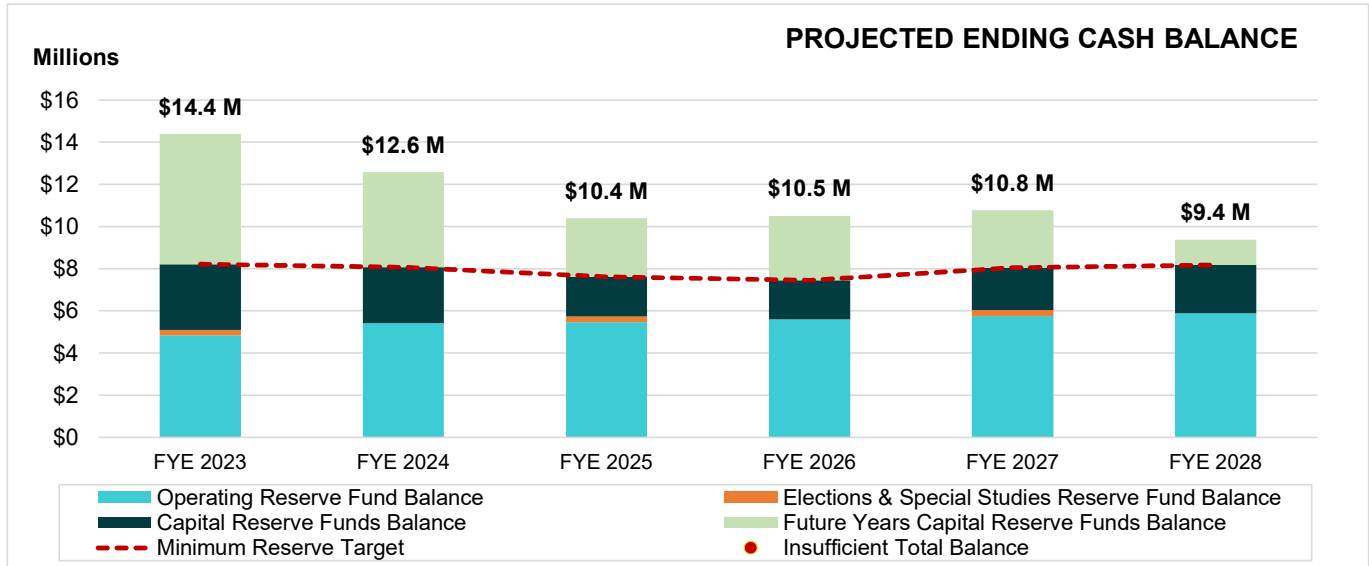


Figure 1-3 illustrates the Water Enterprise’s scheduled capital improvement project expenses and funding sources. The District anticipates funding capital projects in the study period with a combination of grant proceeds and rate-based revenues (i.e., pay-as-you-go).

Figure 1-3: Water Capital Improvement Program Funding

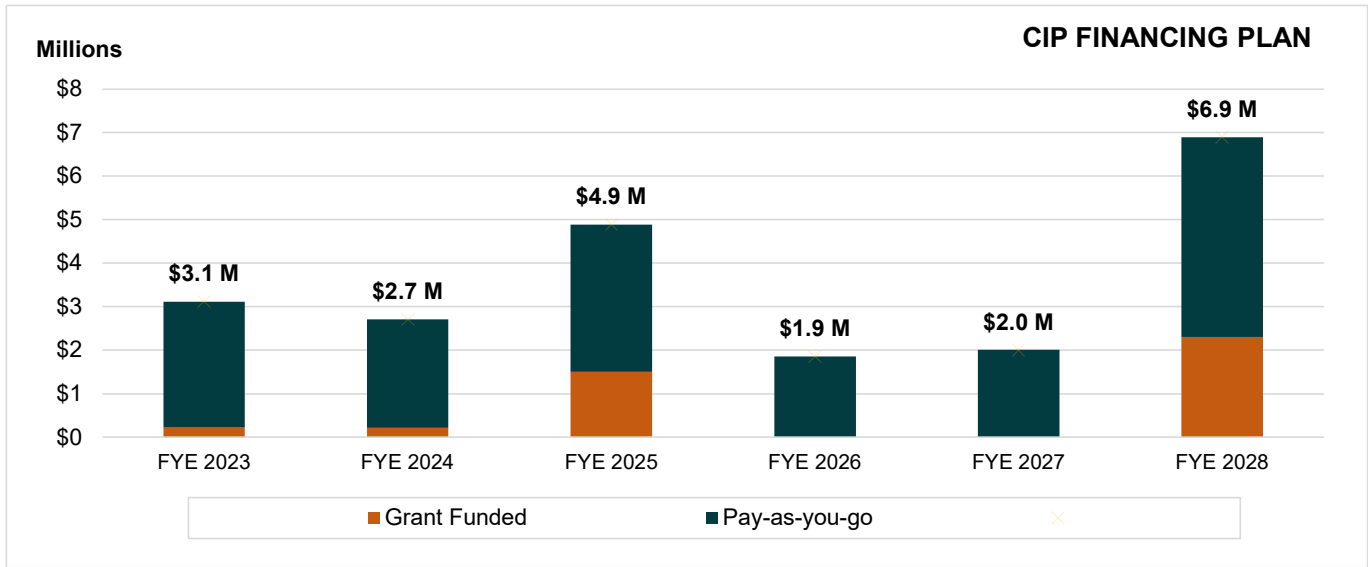
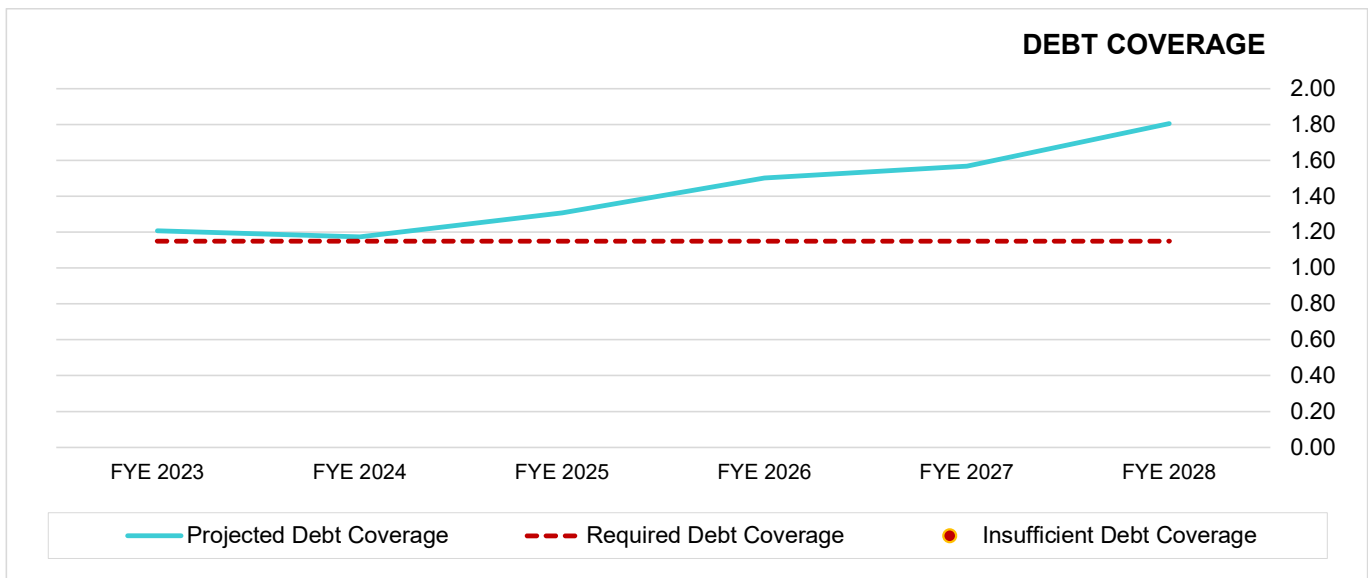


Figure 1-4 shows the projected debt service coverage ratio versus the required ratio. The proposed financial plan is projected to keep the ratio above the required level.

Figure 1-4: Debt Service Coverage Ratio



### 1.3.2. Proposed Water Rates

Table 1-2 shows the current and proposed monthly service charge, commodity rate, and monthly capital charge. The rates shown in FYE 2024 are set using a cost-of-service analysis and overall, recover 4.5% more revenue than the prior year. Future years are escalated by the revenue adjustments shown.

**Table 1-2: Current and Proposed Water Rates and Charges**

<b>Proposed Rates</b>	<b>Current</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>
Proposed Water Rate Schedule	2023	2024	2025	2026	2027	2028
<b>Proposed Revenue Adjustment</b>	N/A	cost-of-service	4.5%	4.5%	4.5%	4.5%
<b>Monthly Fixed Charges (by Meter Size)</b>						
1"	\$62.37	\$61.49	\$64.26	\$67.16	\$70.19	\$73.35
1.5"	\$87.79	\$111.92	\$116.96	\$122.23	\$127.74	\$133.49
2"	\$118.29	\$172.44	\$180.20	\$188.31	\$196.79	\$205.65
3"	\$189.48	\$364.08	\$380.47	\$397.60	\$415.50	\$434.20
4"	\$291.14	\$616.23	\$643.97	\$672.95	\$703.24	\$734.89
6"	\$545.33	\$1,372.69	\$1,434.47	\$1,499.03	\$1,566.49	\$1,636.99
8"	\$850.36	\$1,624.85	\$1,697.97	\$1,774.38	\$1,854.23	\$1,937.68
10"	\$1,206.22	\$4,247.24	\$4,438.37	\$4,638.10	\$4,846.82	\$5,064.93
<b>Commodity Charges (per CCF)</b>						
Residential						
Tier 1 (0-30 ccf/mo)	\$1.96	\$2.15	\$2.25	\$2.36	\$2.47	\$2.59
Tier 2 (30.01+ ccf/mo)	\$4.12	\$3.19	\$3.34	\$3.50	\$3.66	\$3.83
Non-Residential	\$1.83	\$2.14	\$2.24	\$2.35	\$2.46	\$2.58
Irrigation	\$2.32	\$2.97	\$3.11	\$3.25	\$3.40	\$3.56
<b>Private Fire Protection Service Monthly Fixed Charges (by Connection Size)</b>						
2"	\$3.08	\$3.72	\$3.89	\$4.07	\$4.26	\$4.46
3"	\$8.96	\$10.79	\$11.28	\$11.79	\$12.33	\$12.89
4"	\$19.08	\$22.99	\$24.03	\$25.12	\$26.26	\$27.45
6"	\$55.43	\$66.77	\$69.78	\$72.93	\$76.22	\$79.65
8"	\$118.12	\$142.29	\$148.70	\$155.40	\$162.40	\$169.71
10"	\$212.42	\$255.89	\$267.41	\$279.45	\$292.03	\$305.18
12"	\$343.10	\$413.32	\$431.92	\$451.36	\$471.68	\$492.91

## 2. Legal Requirements and Rate Setting Methodology

### 2.1. Legal Requirements<sup>1</sup>

#### 2.1.1. California Constitution – Article XIII D, Section 6 (Proposition 218)

Proposition 218, reflected in the California Constitution as Article XIII D, was enacted in 1996 to ensure that rates and fees are reasonable and proportional to the cost of providing service. The principal requirements, as they relate to public water service, are as follows:

1. A property-related charge (such as water rates) imposed by a public agency on a parcel shall not exceed the costs required to provide the property-related service.
2. Revenues derived by the charge shall not be used for any purpose other than that for which the charge was imposed.
3. The amount of the charge imposed upon any parcel shall not exceed the proportional cost of service attributable to the parcel.
4. No charge may be imposed for a service unless that service is actually used or immediately available to the owner of the property.
5. A written notice of the proposed charge shall be mailed to both the customer of record and owner of record of each parcel at least 45 days prior to the public hearing, when the agency considers all written protests against the charge.

As stated in the American Water Works Association's (AWWA) *Principles of Water Rates, Fees, and Charges: Manual of Water Supply Practices - M1 Seventh Edition* (Manual M1), "water rates and charges should be recovered from classes of customers in proportion to the cost of serving those customers." Raftelis follows industry-standard rate-setting methodologies set forth by the AWWA Manual M1 to ensure this study meets Proposition 218 requirements and establishes rates that do not exceed the proportionate cost of providing water services on a parcel basis. The methodology in the Manual M1 is a nationally recognized industry rate-making standard that courts have recognized as consistent with Proposition 218.

#### 2.1.2. California Constitution Article X, Section 2

California Constitution Article X, Section 2 mandates that water resources be put to beneficial use and that the waste or unreasonable use of water be prevented through conservation. Section 106 of the Water Code declares that the highest priority use of water is for domestic purposes, with irrigation secondary. Thus, the management of water resources is part of the property-related service provided by public water suppliers to ensure the resource is available over time.

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Raftelis does not practice law, nor does it provide legal advice. The above discussion means to provide a general review of apparent state institutional constraints and is labeled "legal framework" for literary convenience only. The District should consult with its counsel for clarification and/or specific review of any of the above or other matters.

Two Constitutional provisions govern and impact water rates — Article X, Section 2 (“Article X”) and Article XIII D, Section 6 (“Article XIII D”). Article X was added to the California Constitution in 1928 as former Article XIV, Section 3, and amended in 1976. Article X provides that:

*“It is hereby declared that because of the conditions prevailing in this State the general welfare requires that the water resources of the State be put to beneficial use to the fullest extent of which they are capable, and that the waste or unreasonable use or unreasonable method of use of water be prevented, and that the conservation of such waters is to be exercised with a view to the reasonable and beneficial use thereof in the interest of the people and for the public welfare.”*

In November 1996, California voters approved Proposition 218, which amended the California Constitution by adding Article XIII C and Article XIII D. Article XIII D placed substantive limitations on the use of the revenue collected from property-related fees and on the amount of the fee that may be imposed on each parcel. Additionally, it established procedural requirements for imposing new, or increasing existing, property-related fees. Water service fees are property-related fees.

In accordance with these provisions, a property-related fee must meet all of the following requirements: (1) revenues derived from the fee must not exceed the funds required to provide the property-related service; (2) revenues from the fee must not be used for any purpose other than that for which the fee is imposed; (3) the amount of a fee imposed upon any parcel or person as an incident of property ownership must not exceed the proportional cost of the service attributable to the parcel; (4) the fee may not be imposed for a service, unless the service is actually used by, or immediately available to, the owner of the property subject to the fee. A fee based on potential or future use of a service is not permitted, and stand-by charges must be classified as assessments subject to the ballot protest and proportionality requirements for assessments; (5) no fee may be imposed for general governmental services, such as police, fire, ambulance, or libraries, where the service is available to the public in substantially the same manner as it is to property owners. The five substantive requirements in Article XIII D are structured to place limitations on (1) the use of the revenue collected from property-related fees and (2) the allocation of costs recovered by such fees to ensure that they are proportionate to the cost of providing the service attributable to each parcel.

## 2.2. Rate Setting Methodology

This study was conducted using industry-standard principles outlined by the AWWA Manual M1. The process and approach Raftelis utilized in the study to determine water rates is informed by the District’s policy objectives, the current water system and rates, and the legal requirements in California (namely, Proposition 218). The resulting financial plan, cost-of-service analyses, and rate design processes follow four key steps, outlined below, to determine proposed rates that fulfill the District’s objectives, meet industry standards, and align with relevant regulations.

1. **Financial Plan and Revenue Requirement Determination:** The first study step is to develop a multi-year financial plan that projects the District’s revenues, expenses, capital project financing, annual debt service, and reserve funding. The financial plan is used to determine 1) the revenue adjustment, which allows the District to recover adequate revenues to fund expenses and reserves, and 2) the revenue requirement for the test year, also known as the rate-setting year. The test year for this study is FYE 2024. The revenue requirement should sufficiently fund the District’s operating costs, annual debt service (including coverage requirements), capital expenditures, and reserve funding as projected based on the annual budget estimates.

2. **Cost-of-Service Analysis:** The annual cost of providing water service, or the revenue requirement, is then distributed to customer classes and tiers commensurate with their use of and burden on the water system. A cost-of-service analysis involves the following steps:
  - » Functionalize costs – the different components of the revenue requirement are categorized into functions such as supply, transmission, storage, customer service, etc.
  - » Allocate to cost components – the functionalized costs are then allocated to cost components such as supply, base delivery, peaking, etc.
  - » Develop unit costs – unit costs for each cost component are determined using units-of-service, such as total use, peaking units, equivalent meters, number of customers, etc., for each component.
  - » Distribute cost components – the cost components are allocated to each customer class and tier using the unit costs in proportion to their demand and burden on the system.

A water cost-of-service analysis considers both the average water demand and peak demand. Peaking costs are incurred during periods of peak consumption, most often coinciding with summer water use. Additional capacity-related costs are incurred associated with designing, constructing, operating, maintaining, and replacing facilities to meet peak demand. Patterns of use impose additional costs on a water utility and are used to determine the cost burden on peaking-related facilities.

3. **Rate Design:** After allocating the revenue requirement to each customer class, the project team designs and calculates rates. Rates do more than simply recover costs; within the legal framework and industry standards, properly designed rates should support and optimize the District’s policy objectives. Rates also act as a public information tool in communicating these policy objectives to customers. This process also includes a rate impact analysis and sample customer bill impacts.
4. **Administrative Record Preparation and Rate Adoption:** The final step in a rate study is to develop the administrative record in conjunction with the rate adoption process. This report serves as the administrative record for this study. The administrative record documents the study results and presents the methodologies, rationale, justifications, and calculations used to determine the proposed rates. A thorough and methodological administrative record serves two important functions: maintaining defensibility in a stringent legal environment and communicating the rationale for revenue adjustments and proposed rates to customers and key stakeholders.

Values shown in report tables and figures are rounded to the digit shown. Therefore, any manual reproduction of the calculations shown may not match the precise results displayed in the report.

# 3. Financial Plan Assumptions

## 3.1. Key Financial Information

During the study, Raftelis and District staff completed a detailed review of projected revenues, operating expenses, and capital expenditures over the study period. The financial plan is a comprehensive spreadsheet model of the District's revenues, O&M expenses, capital expenditures, and reserves for the study period.

This study utilized the following financial documents:

- Operating Budget for Fiscal Year (FYE) 2023
- Reserve Policy provided by District Staff
- Capital Improvement Plan for the study period provided by the District
- Financial Information (e.g., outstanding debt, reserve levels, etc.) as of June 30, 2022 provided by the District

## 3.2. Inflation

Various types of assumptions and inputs are incorporated into this study based on discussions and direction from District staff. These include the projected number of accounts and annual growth rates in water consumption for different customer classes, inflation factors, and other assumptions that are incorporated into the financial plan. The inflation factor assumptions discussed with District staff and used for cost escalation are presented in Table 3-1.

**Table 3-1: Assumed Cost Escalation Factors**

Key Factors	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
General	5.0%	4.0%	3.0%	3.0%	3.0%
Salary	5.0%	4.0%	3.0%	3.0%	3.0%
Benefits	5.0%	4.0%	3.0%	3.0%	3.0%
Water Supply	5.0%	4.0%	3.0%	3.0%	3.0%
Utilities	5.0%	4.0%	3.0%	3.0%	3.0%
Chemicals	5.0%	4.0%	3.0%	3.0%	3.0%

Interest income is estimated to be 0.75 percent. A conservative interest rate is used in the study to project interest earnings on reserve funds.

## 3.3. Projected Growth

The District assumes that there is 1.5 percent per year growth in accounts for the study period, but that customers will continue to conserve water, resulting in a decrease in average demand per account. Table 3-2 shows the number of water connections used in the analysis. Table 3-3 shows the projected number of private fire connections over the study period. Table 3-4 show projected water use in hundred cubic feet (ccf) and acre-feet (AF).



**Table 3-2: Number of Water Connections**

Meter Size	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
1"	12,676	12,866	13,060	13,256	13,455
1.5"	102	104	106	108	110
2"	264	268	272	276	280
3"	22	22	22	22	22
4"	17	17	17	17	17
6"	5	5	5	5	5
8"	0	0	0	0	0
10"	0	0	0	0	0
<b>Total</b>	<b>13,086</b>	<b>13,282</b>	<b>13,482</b>	<b>13,684</b>	<b>13,889</b>

**Table 3-3: Number of Private Fire Connections**

Connection Size	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
2"	2	2	2	2	2
3"	2	2	2	2	2
4"	34	34	34	34	34
6"	156	156	156	156	156
8"	24	24	24	24	24
10"	12	12	12	12	12
12"	0	0	0	0	0
<b>Total</b>	<b>230</b>	<b>230</b>	<b>230</b>	<b>230</b>	<b>230</b>

**Table 3-4: Projected Water Use (ccf)**

Customer Class/Tier	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
Residential Water Use						
Tier 1 (0-30 ccf/mo)	1,732,438	1,952,603	1,952,529	1,952,457	1,952,387	1,952,320
Tier 2 (30.01+ ccf/mo)	192,493	216,956	216,948	216,940	216,932	216,924
Subtotal Residential	1,924,931	2,169,559	2,169,476	2,169,397	2,169,319	2,169,245
Non-Residential Water Use	300,062	322,176	322,216	322,255	322,294	322,330
Irrigation Water Use	308,643	331,389	331,431	331,471	331,511	331,549
<b>Total (CCF)</b>	<b>2,533,635</b>	<b>2,823,124</b>	<b>2,823,124</b>	<b>2,823,124</b>	<b>2,823,124</b>	<b>2,823,124</b>
<b>Total (AF)</b>	<b>5,816</b>	<b>6,481</b>	<b>6,481</b>	<b>6,481</b>	<b>6,481</b>	<b>6,481</b>

### 3.4. Water Enterprise Reserve Policy

The District currently has an adopted reserve policy for its water enterprise. The operating reserve is currently set to a minimum of 120 days of budgeted operating expenses including debt service. Capital reserves are set at 100 percent of the annual capital improvement program. Additionally, an elections and special studies reserve is funded based on Board action in accordance with the annual budget. For the purposes of the financial plan, the elections and special studies reserve target is set equal to annual elections costs.

### 3.5. Required Debt Coverage Ratio

The District's current bonds have a debt coverage requirement of 115 percent of the net revenues (i.e., revenues less operating and maintenance costs). This means that net revenues must be at least 1.15 times the annual debt service.

# 4. Water Financial Plan

## 4.1. Revenue Requirements

This section discusses projected revenues, O&M expenses, and revenue adjustments to ensure the fiscal sustainability and solvency of the water enterprise.

### 4.1.1. Revenues

The District’s current water rates were last updated in January 2023. The rates consist of two distinct components: a Monthly Service Charge that varies by meter size and a Commodity Rate. The commodity rate for residential customers has two tiers while the commodity rates are uniform for non-residential and irrigation customers<sup>2</sup>. Table 4-1 shows the District’s current water rates.

**Table 4-1: Current Water Rates**

Effective Date	Jan. 1, 2023
<b>Fixed Charge, \$/mo</b>	
1"	\$62.37
1.5"	\$87.79
2"	\$118.29
3"	\$189.48
4"	\$291.14
6"	\$545.33
8"	\$850.36
10"	\$1,206.22
<b>Commodity Charge, \$/ccf</b>	
Residential	
Tier 1, 0 - 30 ccf	1.96
Tier 2, > 30 ccf	4.12
Non-Residential	1.83
Irrigation	2.32
<b>Private Fire Protection Service</b>	
Connection Size	
2"	\$3.08
3"	\$8.96
4"	\$19.08
6"	\$55.43
8"	\$118.12
10"	\$212.42
12"	\$343.10

<sup>2</sup> The commodity rate is shown on a \$/ccf basis. 1 ccf = 100 cubic feet = 748 gallons of water.

The fixed charge revenue for each meter is calculated by multiplying the fixed charge for a meter size with the number of connections for that meter size and then multiplying by 12 monthly billing periods per year. The residential commodity rate revenue is calculated by multiplying total use, up to 30 ccf, by the Tier 1 commodity rate and any use over 30 ccf in a month by the Tier 2 commodity rate. The non-residential and irrigation commodity rate revenue is calculated by multiplying total usage by the respective commodity rate. The monthly private fire protection revenue for each connection size is calculated by multiplying the private fire protection charge for a connection size by the number of connections at that size and then multiplying by 12 monthly billing periods per year. The projected and calculated revenues are shown in Table 4-2.

**Table 4-2: Projected Revenue from Current Charges**

	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
Fixed	\$10,111,558	\$10,261,547	\$10,414,529	\$10,569,008	\$10,725,732
Commodity	\$6,079,364	\$6,079,356	\$6,079,348	\$6,079,341	\$6,079,334
Private Fire	\$176,446	\$176,446	\$176,446	\$176,446	\$176,446
<b>Total</b>	<b>\$16,367,368</b>	<b>\$16,517,349</b>	<b>\$16,670,323</b>	<b>\$16,824,795</b>	<b>\$16,981,512</b>

In addition to revenues produced by water rates, the enterprise receives other revenues from different sources such as interest income, miscellaneous fees, and other sources. Table 4-3 outlines the other miscellaneous revenues for District over the study period.

**Table 4-3: Projected Other Revenue**

	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
Misc. Fees	\$319,000	\$319,000	\$319,000	\$319,000	\$319,000
Other	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000
Interest	\$100,771	\$85,813	\$78,097	\$79,513	\$75,279
<b>Total</b>	<b>\$428,771</b>	<b>\$413,813</b>	<b>\$406,097</b>	<b>\$407,513</b>	<b>\$403,279</b>

## 4.1.2. Operating Expenses

### 4.1.2.1. Water Supply Costs

The District has two sources of water supply – (1) local groundwater and (2) treated wholesale water from the Sacramento County Water Agency (SCWA). Groundwater meets about 60 percent of the District’s needs. Purchased water costs are estimated to range from \$4.0 million to \$4.6 million per year between FYE 2024 and FYE 2028.

### 4.1.2.2. Water Operating Expenses

The inflation factors from Table 3-1 were used to inflate the District’s FYE 2023 budget to project future operating costs. Raftelis worked closely with District staff to identify any non-recurring costs and other anticipated expenses for the study period. Table 4-4 summarizes the budgeted and projected operating expenses for the water enterprise during the study period.

**Table 4-4: Budgeted and Projected Operating Expenses**

	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
Salaries & Benefits	\$5,296,924	\$5,508,801	\$5,674,065	\$5,844,286	\$6,019,615
Seminars, Conventions and Travel	\$42,413	\$44,109	\$45,432	\$46,795	\$48,199
Office & Operational	\$1,979,034	\$1,642,196	\$1,691,462	\$1,742,205	\$1,794,472
Purchased Water	\$4,042,555	\$4,204,257	\$4,330,384	\$4,460,296	\$4,594,105
Outside Services	\$1,130,884	\$1,176,119	\$1,211,403	\$1,247,745	\$1,285,177
Equipment, Rent, Taxes and Utilities	\$567,570	\$590,273	\$607,981	\$626,220	\$645,007
Less Capitalized Labor	(\$459,089)	(\$459,089)	(\$459,089)	(\$459,089)	(\$459,089)
<b>Total</b>	<b>\$12,600,289</b>	<b>\$12,706,665</b>	<b>\$13,101,637</b>	<b>\$13,508,459</b>	<b>\$13,927,485</b>

### 4.1.3. Non-Operating Expenses

Table 4-5 summarizes the budgeted and projected non-operating expenses for the water enterprise during the study period. Non-operating expenses include existing debt service (principal and interest) associated with the District's outstanding 2014 Series A Bonds and 2016 Series A Bonds, as well as election costs incurred every other year during District elections.

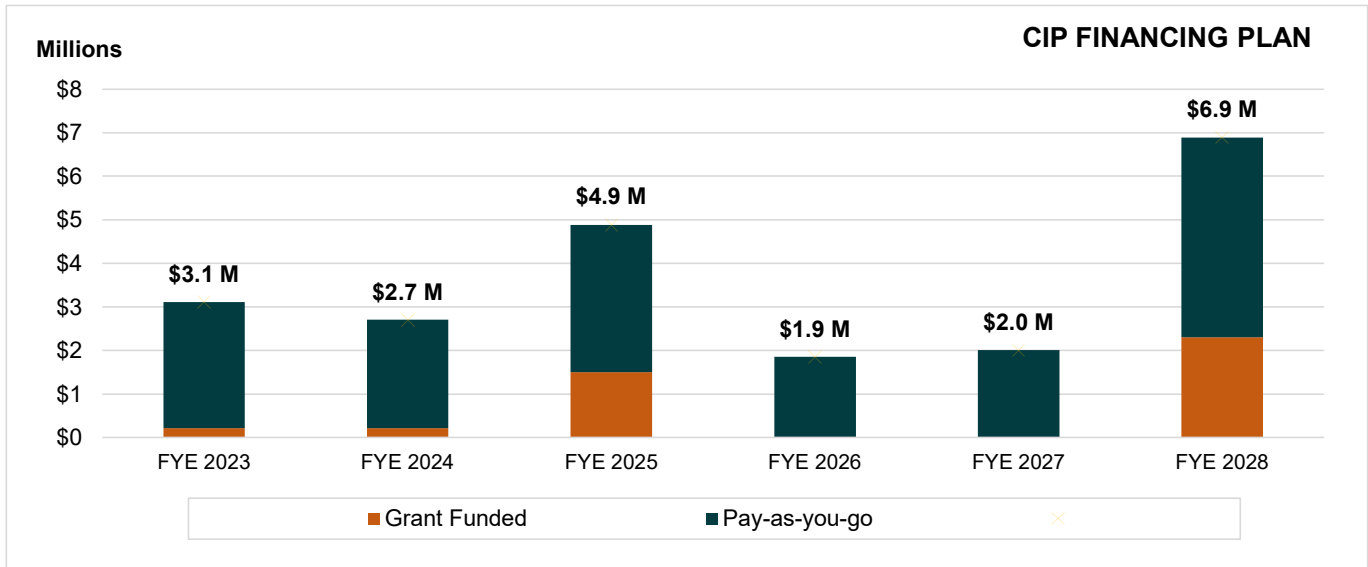
**Table 4-5: Budgeted and Projected Non-Operating Expenses**

	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
Debt Service	\$3,886,994	\$3,888,029	\$3,941,503	\$3,981,047	\$3,977,210
Election Costs	\$0	\$273,000	\$0	\$289,626	\$0
<b>Total</b>	<b>\$3,886,994</b>	<b>\$4,161,029</b>	<b>\$3,941,503</b>	<b>\$4,270,673</b>	<b>\$3,977,210</b>

### 4.1.4. Projected Capital Improvement Projects

Figure 4-1 shows the District's water system capital projects (a full list of projects and costs can be found in Appendix A). The capital project costs for future years are determined by using the programmed/budgeted costs and inflating the value by the capital cost inflation factor shown in Table 3-1. The District plans to fund projects with a mix of grant funding and pay-as-you-go from rates and reserves. Capital project costs and available American Rescue Plan Act grant funding are based on the Districts' adopted Capital Improvement Program for FYE 2023 – FYE 2027. However, additional project costs for SCADA upgrades, advanced metering infrastructure (AMI), and well replacement were added per direction from District staff to account for anticipated capital needs in addition to the adopted Capital Improvement Program. It is assumed that 50 percent of AMI and well replacement costs will be grant funded.

Figure 4-1: Projected Capital Expenditures

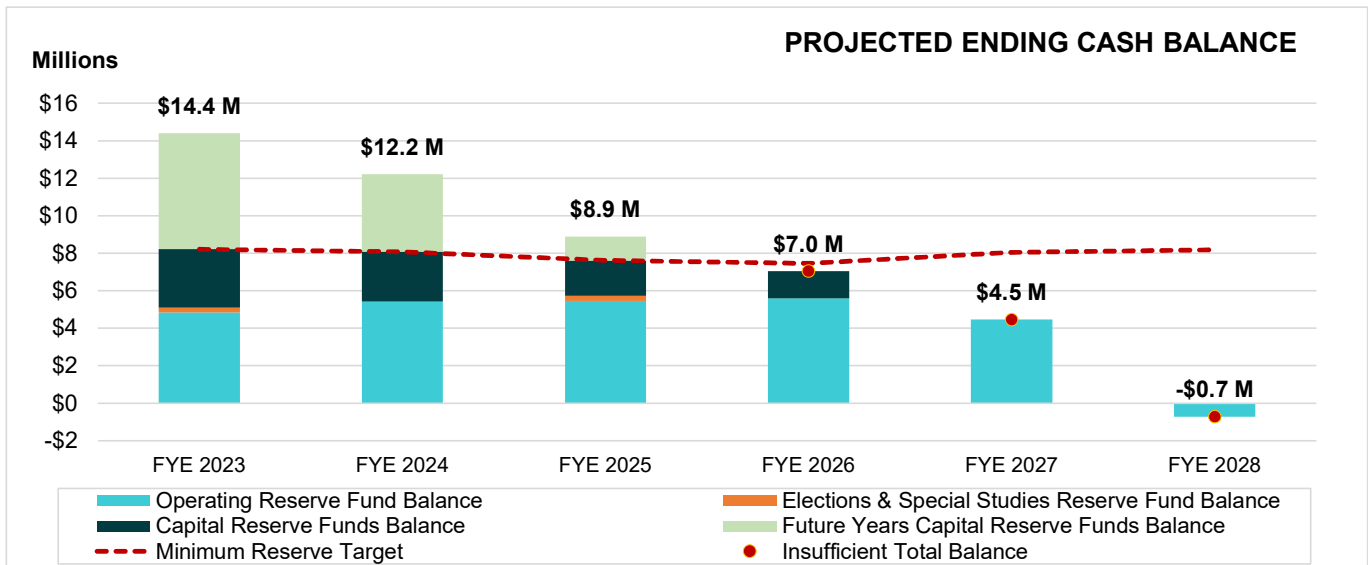


## 4.2. Water Financial Plan

### 4.2.1. Status Quo Financial Plan

Figure 4-2 displays the projected ending balances of the District’s water enterprise’s cash balance under current rates for FYE 2023 – FYE 2028. All projections are based upon the District’s current rate structure and do not include rate adjustments. The figure incorporates the data shown in Table 4-2 through Table 4-6 and Figure 4-1. Under the “status-quo” scenario, revenues generated from current rates and other miscellaneous revenues are inadequate to sufficiently recover operating and capital expenses of the utility, as shown by decreasing fund balances. By the end of FYE 2028, the ending balance is projected to be negative. In short, the District is unable to maintain fiscal sustainability under the current rates.

Figure 4-2: Status Quo Water Enterprise Ending Balances (No Revenue Adjustments)



### 4.2.2. Proposed Financial Plan

Table 4-6 shows the proposed revenue adjustments to meet the target reserve requirement and maintain financial sufficiency. These revenue adjustments were based on discussions with District Staff, the Community Advisory Committee (consisting of ten District customers), and the Board.

**Table 4-6: Proposed Retail Zone Revenue Adjustments**

Fiscal Year	Effective Month	Proposed Revenue Adjustment
2024	January	4.5%
2025	January	4.5%
2026	January	4.5%
2027	January	4.5%
2028	January	4.5%

Table 4-7 shows the financial plan with the proposed revenue adjustments shown above. The District’s reserves are projected to remain above the minimum operating reserve target.

Table 4-7: Proposed Financial Plan

Description	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
<b>REVENUE</b>						
<b>Operating Revenue</b>						
Rate Revenue from Current Rates	\$15,452,528	\$16,367,368	\$16,517,349	\$16,670,323	\$16,824,795	\$16,981,512
<b>Proposed Revenue Adjustments</b>						
	Revenue Adjustment	Month Effective	Months Effective			
Fiscal Year						
FYE 2024	4.50%	January	6	\$368,266	\$743,281	\$750,165
FYE 2025	4.50%	January	6		\$783,922	\$791,186
FYE 2026	4.50%	January	6		\$409,599	\$826,789
FYE 2027	4.50%	January	6			\$431,997
FYE 2028	4.50%	January	6			\$455,642
<b>Total Revenue Adjustments</b>	<b>\$0</b>	<b>\$368,266</b>	<b>\$1,131,645</b>	<b>\$1,943,686</b>	<b>\$2,807,088</b>	<b>\$3,724,899</b>
Rate Revenue (including Revenue Adjustments)	\$15,452,528	\$16,735,634	\$17,648,993	\$18,614,009	\$19,631,883	\$20,706,411
Miscellaneous Fees	\$319,000	\$319,000	\$319,000	\$319,000	\$319,000	\$319,000
Other	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000
<b>Total Operating Revenue</b>	<b>\$15,780,528</b>	<b>\$17,063,634</b>	<b>\$17,976,993</b>	<b>\$18,942,009</b>	<b>\$19,959,883</b>	<b>\$21,034,411</b>
<b>Non-Operating Revenue</b>						
Capital Grants	\$221,000	\$215,000	\$1,500,000	\$0	\$0	\$2,300,000
Interest Earned	\$25,000	\$100,771	\$85,813	\$78,097	\$79,513	\$75,279
<b>Total Non-Operating Revenue</b>	<b>\$246,000</b>	<b>\$315,771</b>	<b>\$1,585,813</b>	<b>\$78,097</b>	<b>\$79,513</b>	<b>\$2,375,279</b>
<b>TOTAL REVENUE</b>	<b>\$16,026,528</b>	<b>\$17,379,405</b>	<b>\$19,562,806</b>	<b>\$19,020,105</b>	<b>\$20,039,396</b>	<b>\$23,409,690</b>
<b>OPERATING &amp; NON-OPERATING EXPENSES</b>						
<b>Operating Expenses</b>						
Salaries & Benefits	\$4,847,546	\$5,296,924	\$5,508,801	\$5,674,065	\$5,844,286	\$6,019,615
Seminars, Conventions and Travel	\$40,393	\$42,413	\$44,109	\$45,432	\$46,795	\$48,199
Office & Operational	\$1,402,320	\$1,979,034	\$1,642,196	\$1,691,462	\$1,742,205	\$1,794,472
Purchased Water	\$3,455,261	\$4,042,555	\$4,204,257	\$4,330,384	\$4,460,296	\$4,594,105
Outside Services	\$1,077,032	\$1,130,884	\$1,176,119	\$1,211,403	\$1,247,745	\$1,285,177
Equipment, Rent, Taxes and Utilities	\$499,674	\$567,570	\$590,273	\$607,981	\$626,220	\$645,007
Less Capitalized Labor	(\$459,089)	(\$459,089)	(\$459,089)	(\$459,089)	(\$459,089)	(\$459,089)
<b>Total Operating Expenses</b>	<b>\$10,863,137</b>	<b>\$12,600,289</b>	<b>\$12,706,665</b>	<b>\$13,101,637</b>	<b>\$13,508,459</b>	<b>\$13,927,485</b>
<b>Non-Operating Expenses</b>						
Debt Service (Principal + Interest Payments)	\$3,883,204	\$3,886,994	\$3,888,029	\$3,941,503	\$3,981,047	\$3,977,210
Election Costs	\$250,000	\$0	\$273,000	\$0	\$289,626	\$0
<b>Total Non-Operating Expenses</b>	<b>\$4,133,204</b>	<b>\$3,886,994</b>	<b>\$4,161,029</b>	<b>\$3,941,503</b>	<b>\$4,270,673</b>	<b>\$3,977,210</b>
<b>TOTAL OPERATING &amp; NON-OPERATING EXPENSES</b>	<b>\$14,996,340</b>	<b>\$16,487,283</b>	<b>\$16,867,693</b>	<b>\$17,043,140</b>	<b>\$17,779,132</b>	<b>\$17,904,695</b>
<b>NET CASH FLOW (excl. CIP)</b>	<b>\$1,030,188</b>	<b>\$892,121</b>	<b>\$2,695,113</b>	<b>\$1,976,966</b>	<b>\$2,260,265</b>	<b>\$5,504,995</b>
<b>CIP EXPENDITURES</b>						
Grant Funded	\$221,000	\$215,000	\$1,500,000	\$0	\$0	\$2,300,000
Pay-as-you-go	\$2,893,000	\$2,490,450	\$3,385,481	\$1,852,000	\$2,006,000	\$4,592,557
<b>TOTAL CIP EXPENDITURES</b>	<b>\$3,114,000</b>	<b>\$2,705,450</b>	<b>\$4,885,481</b>	<b>\$1,852,000</b>	<b>\$2,006,000</b>	<b>\$6,892,557</b>
<b>NET CASH FLOW</b>	<b>(\$2,083,812)</b>	<b>(\$1,813,329)</b>	<b>(\$2,190,368)</b>	<b>\$124,966</b>	<b>\$254,265</b>	<b>(\$1,387,563)</b>
<b>DEBT COVERAGE</b>						
Projected Debt Coverage	1.21	1.17	1.31	1.50	1.57	1.81
Required Debt Coverage	1.15	1.15	1.15	1.15	1.15	1.15
<b>CASH BALANCE</b>						
Beginning Balance	\$16,476,954	\$14,393,142	\$12,579,813	\$10,389,445	\$10,514,410	\$10,768,675
Net Cash Change	(\$2,083,812)	(\$1,813,329)	(\$2,190,368)	\$124,966	\$254,265	(\$1,387,563)
<b>ENDING BALANCE</b>	<b>\$14,393,142</b>	<b>\$12,579,813</b>	<b>\$10,389,445</b>	<b>\$10,514,410</b>	<b>\$10,768,675</b>	<b>\$9,381,113</b>
<b>TARGET MINIMUM RESERVE</b>	<b>\$8,212,112</b>	<b>\$8,075,927</b>	<b>\$7,614,271</b>	<b>\$7,455,224</b>	<b>\$8,045,600</b>	<b>\$8,179,033</b>



Figure 4-3 and Figure 4-4 show the District’s financial plan and reserve balances in graphical format. The proposed financial plan demonstrates a plan to maintain sufficient reserve levels to meet or exceed the minimum target in through FYE 2028.

Figure 4-3: Water Operating Financial Plan

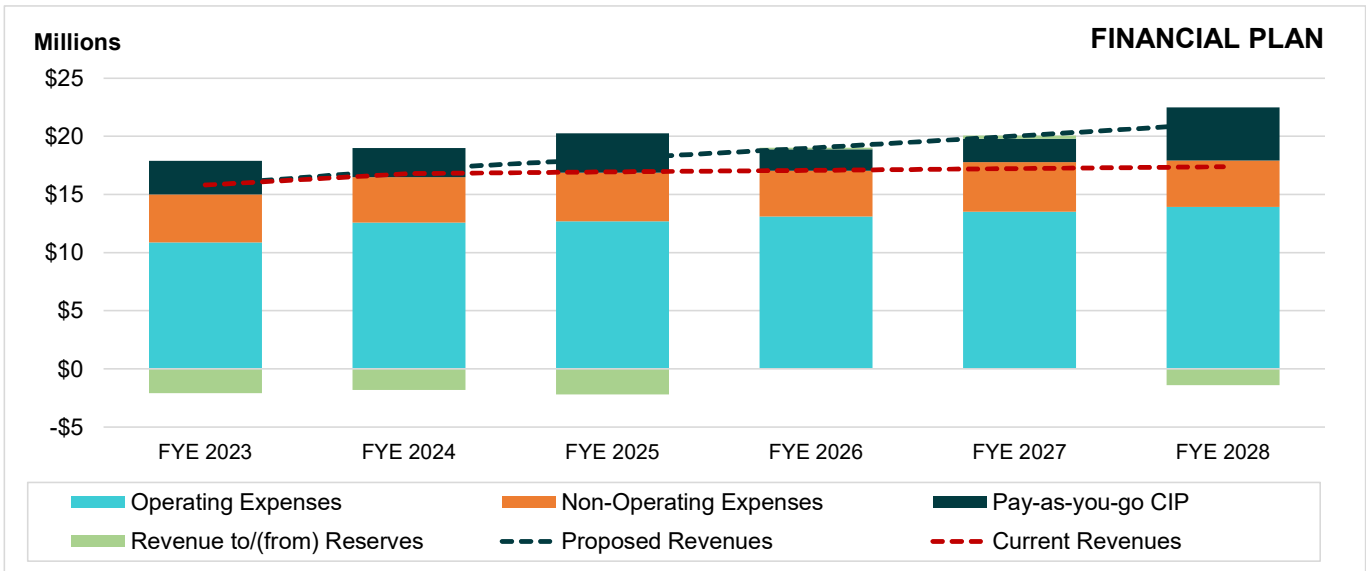


Figure 4-4: Projected Water Reserve Ending Balances

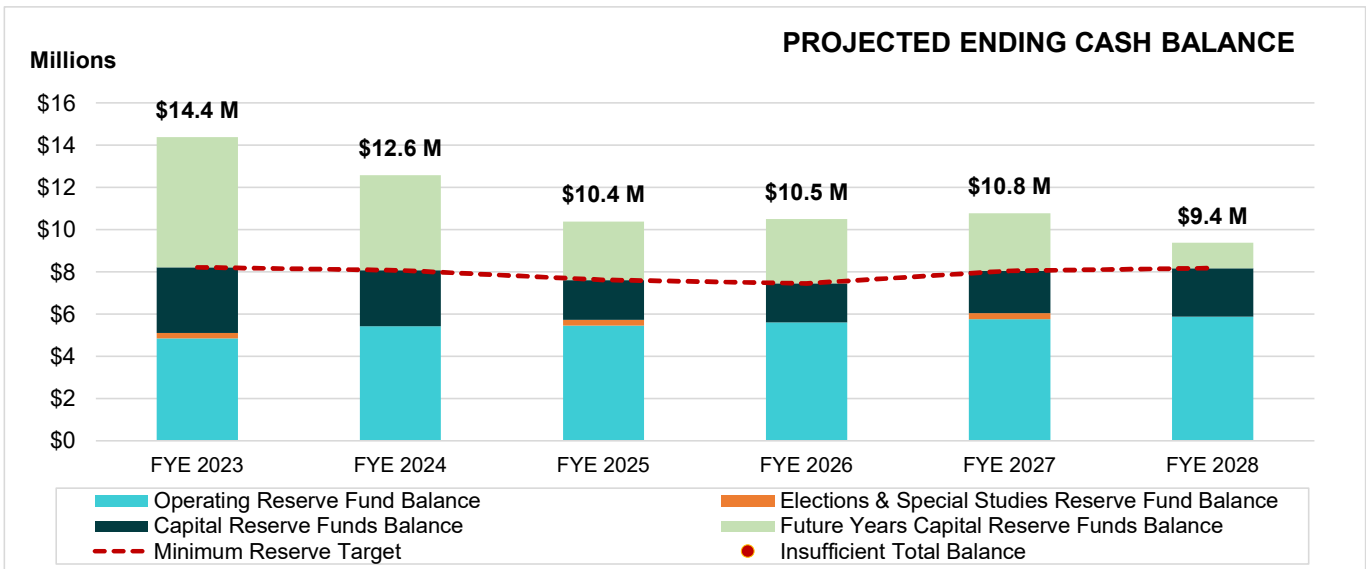
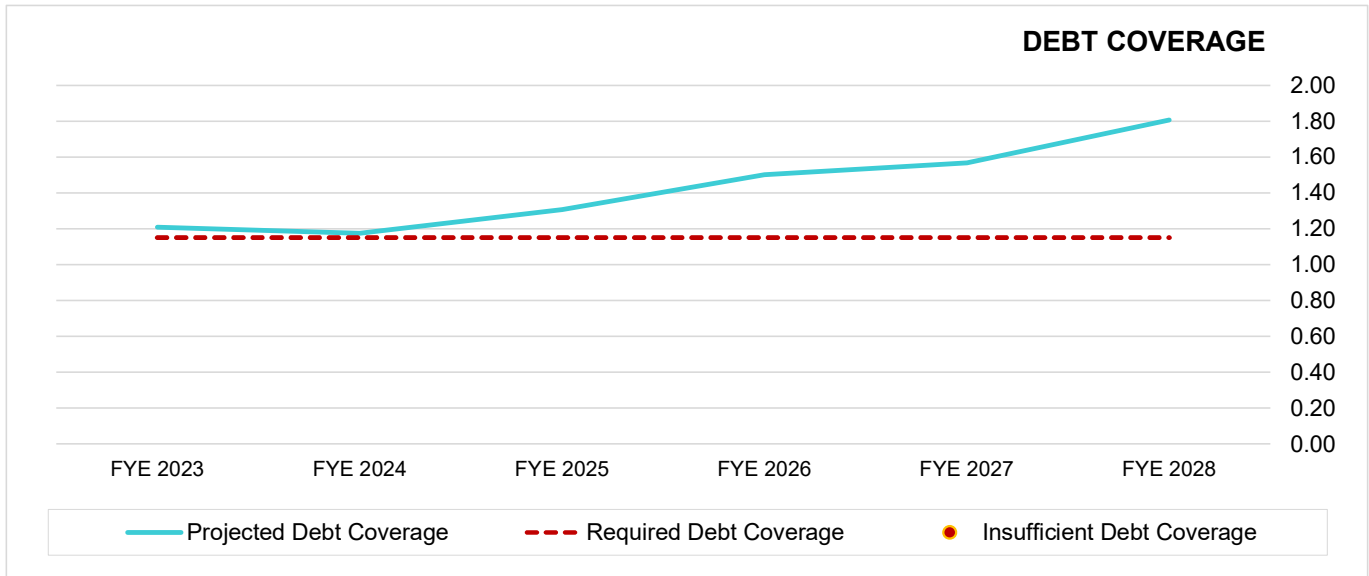


Figure 4-5 shows the projected debt service coverage ratio versus the required ratio. The proposed financial plan is projected to keep the ratio above the required level.

Figure 4-5: Debt Service Coverage Ratio



# 5. Water Cost-of-Service and Proposed Water Rates

## 5.1. Process and Approach

This section describes the methodology of allocating costs equitably to customers. This is intended to ensure that customers pay their fair share, proportional to the cost of serving them.

As stated in the AWWA Manual M1, “the costs of water rates and charges should be recovered from classes of customers in proportion to the cost of serving those customers.” To develop utility rates that align with Proposition 218 and industry standards while meeting other emerging goals and objectives of the District, we follow the cost-of-service methodology discussed below.

### 5.1.1. Calculate Revenue Requirement

The rate-making process starts by determining the revenue requirement. In this study the “test year” is FYE 2024. The revenue requirement should sufficiently fund the District’s O&M, debt service, capital expenses, and reserve requirements.

### 5.1.2. Cost-of-Service Analysis

After determining the District’s revenue requirements, the next step in a cost-of-service analysis is to distribute the annual cost of providing water service among customer classes commensurate with their service requirements. A cost-of-service analysis involves the following:

- Cost functionalization – O&M expenses and capital expenses are categorized by their function in the system. Functions include supply, storage, distribution, customer service, etc.
- Cost component allocation – the functionalized costs are then allocated to cost components based on their burden on the system. The cost components include supply and base delivery, extra-capacity, meter, billing & customer service, etc. The revenue requirement is allocated accordingly to the cost components and results in the total revenue requirement for each cost component.
- Unit cost development – the revenue requirement for each cost component is divided by the appropriate units of service such as total water demand, peak water demand, equivalent meters, number of customers, etc. for each customer class.
- Revenue requirement distribution – the unit costs are utilized to distribute the revenue requirement for each cost component to customer classes and tiers based on their individual service units.

The functions are:

- **Water Supply** – water supply costs associated with groundwater
- **Treatment** – the cost of treating water
- **Storage** – represents the cost associated with storing treated water
- **Transmission & Distribution** – the cost associated with pipes, pumps, mains, etc.
- **Conservation** – costs associated with water conservation and efficiency efforts
- **Billing & Customer Service** – represents the costs associated with meter reading, billing, and customer service
- **Meters** - represents the costs associated with meter maintenance and replacement

- **Fire Hydrants**– costs associated with public fire hydrants
- **Private Fire Protection**– costs associated with private fire protection connections associated with private fire hydrants, fire sprinklers, etc.
- **General**– general and administrative costs incurred by the District
- **Purchased Water** – the cost of wholesale water purchases from SCWA

The functionalization of costs allows us to better allocate the functionalized costs to the cost components. Some cost components correspond directly with one of the above functions. The cost components include:

- **Supply & Base Delivery**– variable costs associated with providing water supplies for all customers and fixed costs associated with providing service under average demand conditions
- **Max Day** (peaking) – costs associated with meeting demand in excess of average use
- **Conservation** - costs associated with water conservation and efficiency efforts
- **Billing & Customer Service**– the costs associated with meter reading, billing, and customer service
- **Meters**– costs associated with meter maintenance and replacement
- **Private Fire Protection**– costs associated with providing private fire protection capacity
- **Revenue Offsets** – non-rate revenues (i.e., other miscellaneous revenues) used to offset the total revenue required from water rates
- **General** – costs that cannot be allocated directly to any one cost component

Peaking costs are computed for a maximum day. The maximum day demand is the maximum amount of water used in a single day in a year. Different facilities, such as distribution and storage facilities (and the O&M costs associated with those facilities), are designed to meet the peaking demands of customers. Therefore, extra capacity<sup>3</sup> costs include the O&M and capital costs associated with meeting peak customer demand. This method is consistent with the AWWA Manual M1 and is widely used in the water industry to perform cost-of-service analyses.

### 5.1.3. Rate Design and Calculations

Rates do more than simply recover costs. Within the legal framework and industry standards, properly designed rates should support and optimize a blend of various utility objectives, such as conservation, affordability for essential needs and revenue stability among other objectives. Rates may also act as a public information tool in communicating these objectives to customers.

### 5.1.4. Rate Adoption

Rate adoption is the last step of the rate-making process. Raftelis documented the rate study results in this report to help educate the public about the proposed changes, the rationale and justifications behind the changes, and their anticipated financial impacts in lay terms.

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<sup>3</sup> The terms extra capacity, peaking and capacity costs are used interchangeably.

## 5.2. Cost-of-Service Calculations

### 5.2.1. Revenue Requirement Determination

Table 5-1 shows the net revenue required from rates for FYE 2024. The total revenue requirement shown is equal to operating expenses, non-operating expenses, and capital expenses and come from Table 4-4, Table 4-5, and Figure 4-1. The revenue offsets come from Table 4-3 and Table 4-7 and reduce the total revenue required from rates. The adjustment for cash is subtracted to account for the withdrawal from reserves to help cover revenue requirements. The mid-year increase reflects that the District adjusts rates part-way through the fiscal year and adds to the revenue requirement. The revenue required from rates is equal to the total revenue requirements less revenue offsets and adjustments. The revenue requirement is divided into Operating and Capital components and is allocated to the cost components based on the functionalization of the O&M expenses and capital assets, respectively.

**Table 5-1: Annualized Revenue Requirements for FYE 2024**

Description	Operating	Capital	Revenue Offsets	Total
<b>Revenue Requirements</b>				
Operating Expenses	\$12,600,289	\$0	\$0	\$12,600,289
Debt Service	\$0	\$3,886,994	\$0	\$3,886,994
Other Non-Operating Expenses	\$0	\$0	\$0	\$0
CIP Expenditures	\$0	\$2,705,450	\$0	\$2,705,450
<b>Total Revenue Requirements</b>	<b>\$12,600,289</b>	<b>\$6,592,444</b>	<b>\$0</b>	<b>\$19,192,733</b>
<b>Revenue Offsets</b>				
Miscellaneous Fees	\$0	\$0	(\$319,000)	(\$319,000)
Other Operating Revenue	\$0	\$0	(\$9,000)	(\$9,000)
Capital Grants	\$0	(\$215,000)	\$0	(\$215,000)
Interest Earned	\$0	(\$100,771)	\$0	(\$100,771)
Other Non-Operating Revenue	\$0	\$0	\$0	\$0
<b>Total Revenue Offsets</b>	<b>\$0</b>	<b>(\$315,771)</b>	<b>(\$328,000)</b>	<b>(\$643,771)</b>
<b>Adjustments</b>				
Cash Balance	\$0	(\$1,813,329)	\$0	(\$1,813,329)
Mid-Year Increase	\$0	\$368,266	\$0	\$368,266
<b>Total Adjustments</b>	<b>\$0</b>	<b>(\$1,445,063)</b>	<b>\$0</b>	<b>(\$1,445,063)</b>
<b>Net Revenue to be Recovered from Rates</b>	<b>\$12,600,289</b>	<b>\$4,831,610</b>	<b>(\$328,000)</b>	<b>\$17,103,900</b>

### 5.2.2. Peaking Factors

Peaking factors are used to allocate peaking costs (max day costs) to customer classes. Table 5-2 shows the system-wide peaking factors used to derive the cost component allocation bases for Base Delivery and Max Day costs. Base costs represent average daily demand during the year, which is normalized to a factor of 1.00 (Column B, Line 1). The max month factor (Column B, Line 2) is the maximum month usage divided by the average monthly usage. The District provided daily well production data for FYE 2022 to determine the system max day factor. The system-wide max day peaking factor (Column B, Line 3) is 1.7 times greater than the average daily demand. The allocation bases (Columns C and D) are calculated using the equations

outlined in this section. Columns are represented in these equations as letters and rows are represented as numbers. For example, Column C, Line 2 is shown as C2.

**Table 5-2: Water System Peaking Factors**

Line No.	System Peaking Factors (A)	Factors (B)	Base (C)	Max Day (D)	Total (E)
1	Base	1.00	100%		100.0%
2	Max Month	1.59			
3	Max Day	1.70	59%	41%	100.0%

The Max Day allocations are calculated as follows:

- Base Delivery:  $B1 / B3 \times 100\% = C3$
- Max Day:  $(B3 - B1) / B3 \times 100\% = D3$

The system-wide max month peaking factor is used to translate monthly-to-average month peaking factors for each customer class into a max day factor for each customer class, as shown in Table 5-3. The monthly peaking factor (Column D) is multiplied by the ratio of the system-wide max day factor to the system-wide max month factor (1.70/1.59) from Table 5-2 to determine the max day capacity factor (Column E). The peaking analysis was based on account-level billing data for FYE 2022.

**Table 5-3: Max Day Capacity Factor**

Line No.	Customer Class (A)	Average Monthly Usage (B)	Max Month Usage (C)	Max Month (D)	Max Day (E)
1	Single Family Tier 1	164,140	230,143	1.40	1.51
2	Single Family Tier 2	18,330	45,606	2.49	2.67
3	Non-Residential	27,318	38,049	1.39	1.50
4	Irrigation	28,099	63,408	2.26	2.42

### 5.2.3. Operating and Capital Allocation

The next step in the cost-of-service analysis is to allocate the functionalized costs to the cost components. Table 5-4 (on the following page) shows the system functions, the rationale for allocating each function to the various cost components, and the percentage allocation to each component. Most functions have a one-to-one relationship with a cost component.

Table 5-5 (on the following page) shows the operating costs by cost component based on the corresponding functional allocations by cost component (Table 5-4). O&M expenses were allocated to the functional categories based on staff input and are shown in Appendix B. O&M expenses are used in the cost-of-service analysis to allocate the operating revenue requirement (Table 5-1, Operating column) to the relative share of costs in each water system cost component.

Table 5-6 (on the following page) shows the District’s water assets grouped by functional categories and then allocated to each cost component by the factors in Table 5-4. Asset values, on a replacement cost less depreciation basis, are used in the cost-of-service analysis to allocate the capital-related revenue requirement (Table 5-1, Capital column) to the relative share of costs in each water system cost component.

**Table 5-4: Allocation of Functions to Cost Components**

Functional Categories	Notes	Supply & Base Delivery	Max Day	Conservation	Billing & Customer Service	Meters	Private Fire Protection	General	Total
Water Supply	Max Day	58.7%	41.3%						100.0%
Treatment	Max Day	58.7%	41.3%						100.0%
Storage	Max Day	58.7%	41.3%						100.0%
Transmission & Distribution	Max Day	58.7%	41.3%						100.0%
Conservation	Conservation			100.0%					100.0%
Billing & Customer Service	Billing & Customer Service				100.0%				100.0%
Meters	Meters					100.0%			100.0%
Fire Hydrants	Fire Hydrants								100.0%
Private Fire Protection	PPF						100.0%		100.0%
General	General							100.0%	100.0%
Purchased Water	Base	100.0%						100.0%	100.0%

**Table 5-5: Allocation of Operating Expenses to Cost Components**

Functional Categories	Supply & Base Delivery	Max Day	Conservation	Billing & Customer Service	Meters	Private Fire Protection	General	Total O&M Expenses
Water Supply	\$525,196	\$368,950	\$0	\$0	\$0	\$0	\$0	\$894,147
Treatment	\$554,485	\$389,526	\$0	\$0	\$0	\$0	\$0	\$944,011
Storage	\$164,996	\$115,910	\$0	\$0	\$0	\$0	\$0	\$280,906
Transmission & Distribution	\$781,451	\$548,969	\$0	\$0	\$0	\$0	\$0	\$1,330,420
Conservation	\$0	\$0	\$70,437	\$0	\$0	\$0	\$0	\$70,437
Billing & Customer Service	\$0	\$0	\$0	\$1,470,520	\$0	\$0	\$0	\$1,470,520
Meters	\$0	\$0	\$0	\$0	\$636,301	\$0	\$0	\$636,301
Fire Hydrants	\$0	\$0	\$0	\$0	\$158,262	\$0	\$0	\$158,262
Private Fire Protection	\$0	\$0	\$0	\$0	\$0	\$139,343	\$0	\$139,343
General	\$0	\$0	\$0	\$0	\$0	\$0	\$2,633,388	\$2,633,388
Purchased Water	\$4,042,555	\$0	\$0	\$0	\$0	\$0	\$0	\$4,042,555
<b>Total Operating Expenses</b>	<b>\$6,068,683</b>	<b>\$1,423,355</b>	<b>\$70,437</b>	<b>\$1,470,520</b>	<b>\$794,563</b>	<b>\$139,343</b>	<b>\$2,633,388</b>	<b>\$12,600,289</b>

**O&M Allocation**      **48.2%**      **11.3%**      **0.6%**      **11.7%**      **6.3%**      **1.1%**      **20.9%**      **100.0%**

**Table 5-6: Allocation of Water Assets to Cost Components**

Functional Categories	Supply & Base		Max Day	Conservation	Billing &			Total O&M Expenses
	Delivery				Customer Service	Meters	Private Fire Protection	
Water Supply	\$2,738,328	\$1,923,675	\$0	\$0	\$0	\$0	\$0	\$4,662,002
Treatment	\$6,324,600	\$4,443,031	\$0	\$0	\$0	\$0	\$0	\$10,767,631
Storage	\$548,892	\$385,596	\$0	\$0	\$0	\$0	\$0	\$934,488
Transmission & Distribution	\$77,568,478	\$54,491,841	\$0	\$0	\$0	\$0	\$0	\$132,060,319
Conservation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Billing & Customer Service	\$0	\$0	\$0	\$0	\$14,378	\$0	\$0	\$14,378
Meters	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Fire Hydrants	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Private Fire Protection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General	\$0	\$0	\$0	\$0	\$0	\$0	\$978,267	\$978,267
Purchased Water	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Asset Value</b>	<b>\$87,180,298</b>	<b>\$61,244,143</b>	<b>\$0</b>	<b>\$0</b>	<b>\$14,378</b>	<b>\$0</b>	<b>\$978,267</b>	<b>\$149,417,085</b>

**Capital Allocation**      **58.3%**      **41.0%**      **0.0%**      **0.0%**      **0.0%**      **0.7%**      **100.0%**



### 5.2.4. Equivalent Meters

Equivalent meters (EMs) are used to allocate meter-related costs. Larger meters can impose greater demands on the system and are more expensive to install, maintain, and replace than smaller meters. This study uses a hydraulic capacity (capacity) ratio to calculate equivalent meters. The capacity ratio is based on meter hydraulic capacity and is calculated to represent the potential demand on the water system compared to the base meter size. A ratio of hydraulic capacity is calculated by dividing the capacity of a meter at a given size by the base meter capacity using the maximum safe operating flow rates in gallons per minute (gpm). The base meter used in the study is the 1" meter, which is the most common meter size in the District's water system.

Table 5-7 shows the meter capacity and capacity ratio for each meter size. The capacity in gpm is based on the safe operating flow rates provided in the AWWA Manual M1 for the most common meter types used by the District. These ratios reflect an update to the ratios used in prior studies. The capacity ratios (Column C) are calculated by dividing the capacity in gpm (Column B) for each meter size (Column A) by the capacity in gpm for the 1" meter (Column B, Line 1). Column E shows the estimated equivalent meters based on the capacity ratio. Meter counts (Column D) at each size are multiplied by the capacity ratio (Column C) to arrive at the total number of equivalent meters.

**Table 5-7: Equivalent Meters**

Line No	Meter Size (A)	Capacity (gpm) (B)	AWWA Ratio (C)	Number of Meters (D)	Equivalent Meters (E)
1	1"	50	1.00	12,676	12,676
2	1.5"	100	2.00	102	204
3	2"	160	3.20	264	845
4	3"	350	7.00	22	154
5	4"	600	12.00	17	204
6	6"	1350	27.00	5	135
7	8"	1600	32.00	0	0
8	10"	4200	84.00	0	0
<b>9</b>	<b>Total</b>			<b>13,086</b>	<b>14,218</b>

### 5.2.5. Allocation of Public and Private Fire Protection Costs

Water systems provide two types of fire protection: public fire protection for firefighting (i.e., fire hydrants) and private fire protection (i.e., fire lines for private structures with sprinkler systems for fire suppression and private fire hydrants). Raftelis performed a fire demand analysis to determine the share of fire protection costs allocated to public versus private fire protection. The District provided Raftelis with a count of fire hydrants. The number of private fire lines is shown in Table 3-3.

Table 5-8 shows the calculation of equivalent fire demand associated with public hydrants and private fire lines. Each connection size has a fire flow demand factor similar to the hydraulic capacity factor of a water meter. The diameter of the connection (in inches) is raised to the 2.63 power to determine the fire demand

factor (Column B).<sup>4</sup> The fire demand factor is multiplied by the number of connections or hydrants by size (Column A) to calculate equivalent fire demand (Column C). Total equivalent fire demand is shown for public hydrants in Line 8 and for private fire lines in Line 16. Column D shows the proportional share of equivalent fire demand between public (Line 8) and private (Line 16).

**Table 5-8: Equivalent Fire Meters**

Line No	Fire Protection Peaking Requirements	Number of Connections (A)	Fire Demand Factor (B)	Equivalent Fire Demand Units (C)	Equivalent Fire Demand (%) (D)
Public Fire Hydrants					
1	2"		6.19		0.0%
2	3"		17.98		0.0%
3	4"		38.32		0.0%
4	6"	1,680	111.31	187,002	86.4%
5	8"		237.21		0.0%
6	10"		426.58		0.0%
7	12"		689.04		0.0%
8	Subtotal	1,680		187,002	86.4%
Private Fire Protection Service Connections					
9	2"	2	6.19	12	0.0%
10	3"	2	17.98	36	0.0%
11	4"	34	38.32	1,303	0.6%
12	6"	156	111.31	17,365	8.0%
13	8"	24	237.21	5,693	2.6%
14	10"	12	426.58	5,119	2.4%
15	12"	0	689.04		0.0%
16	Subtotal	230		29,528	13.6%
17	<b>Total</b>	<b>1,910</b>		<b>216,530</b>	<b>100.0%</b>

### 5.2.6. Unit Costs of Service

The end goal of a cost-of-service analysis is to distribute the revenue requirement to each customer class. Raftelis calculated unit costs for each cost component by assessing the total water demand, meter count, or equivalent service units. Table 5-9 shows the units-of-service for each customer class. Average Daily Use (Column C) is the Annual Use (Column B) divided by 365 days per year. The Max Day Peaking Factor (Column D) is the capacity factors derived in Table 5-3. The Max Day Demand (Column E) is the Average Daily Use (Column C) multiplied by the Max Day Peaking Factor (Column D). The Max Day Extra Capacity (Column F) is the difference between the Max Day Demand (Column E) and the Average Daily Use (Column C).

<sup>4</sup> Hazen-Williams equation and AWWA Manual M1

**Table 5-9: Units-of-Service**

Line No	Customer Class/Tier (A)	Annual Water Use (CCF) (B)	Average Daily Usage (CCF) (C)	Max Day Peaking Factor (D)	Max Day Demand (CCF/Day) (E)	Max Day Extra Capacity (CCF/Day) (F)	Number of EMs (G)	Number of Meters (H)
1	Residential Tier 1 (0-30 ccf/mo)	1,952,603	5,346	1.51	8,048	2,702		
2	Residential Tier 2 (30.01+ ccf/mo)	216,956	594	2.67	1,587	993		
3	Non-Residential	322,176	882	1.50	1,319	437		
4	Irrigation	331,389	907	2.42	2,199	1,291		
<b>5</b>	<b>Total</b>	<b>2,823,124</b>	<b>7,729</b>		<b>13,153</b>	<b>5,423</b>	<b>14,218</b>	<b>13,086</b>

Table 5-10 shows the max day extra capacity requirements for fire service and for the residential, non-residential, and irrigation customers. The value shown for residential, non-residential, and irrigation comes from Table 5-9. This information is used to determine the percent of max day demand that comes from fire and from customer usage.

**Table 5-10: Fire Service Share of Max Day Requirements**

	Duration (Hours)	Demand (gpm)	Max Day (ccf/day)	Max Day %
Residential Fire	1	1,500	120	
Non-Residential Fire	2	2,500	401	
Total Fire			<u>521</u>	9%
Residential, Non-Res., Irrigation			5,423	91%

Table 5-11 shows the operating and capital revenue requirements allocated to the cost components. The operating expenses match the totals shown in Table 5-5. Capital-related expenses (Table 5-1, Capital column) are allocated based on the asset allocation (Table 5-6). Revenue offsets are allocated to the Revenue Offsets column. Line 5 reallocates general costs to the other cost components based on Line 4 excluding revenue offsets because general costs support all cost components. Line 6 reallocates public fire max day costs to meters because it is common to recover public fire protection costs through a fixed charge in proportion to meter size. This allocation is based on the percent of total fire service's max day impact (Table 5-10) split between public fire and private fire based on the split shown in Table 5-8. Line 7 does a similar reallocation as Line 6 for private fire service, moving those max day costs to the private fire component. To keep the percentage of rate-based revenue from fixed

charges similar to current levels, a portion of max day and base delivery costs are also allocated to the meter component, as shown in Lines 8 and 9. The total adjusted cost-of-service is shown in Line 11.

**Table 5-11: Revenue Requirement Allocation and Unit Cost Derivation**

Line No.	Preliminary Cost of Service	Supply & Base Delivery			Billing & Customer Service			Private Fire Protection	Revenue Offsets	General	Total
		Max Day	Conservation	Customer Service	Meters	Meters	Private Fire Protection				
<b>Revenue Requirements</b>											
1	Operating Revenue Requirement	\$1,423,355	\$70,437	\$1,470,520	\$794,563	\$139,343	\$0	\$2,633,388	\$12,600,289		
2	Capital Revenue Requirement	\$1,980,415	\$0	\$465	\$0	\$0	\$0	\$31,634	\$4,831,610		
3	Revenue Offsets						(\$328,000)				
4	Subtotal	\$3,403,770	\$70,437	\$1,470,985	\$794,563	\$139,343	(\$328,000)	\$2,665,021	\$17,103,900		
<b>Reallocations</b>											
5	Reallocation of General Costs	\$614,288	\$12,712	\$265,473	\$143,397	\$25,148		(\$2,665,021)	\$0		
6	Reallocation of Public Fire Costs	(\$304,326)			\$304,326				\$0		
7	Reallocation of Private Fire Costs	(\$48,053)				\$48,053			\$0		
8	Reallocation of Max Day	(\$1,906,153)			\$1,906,153				\$0		
9	Reallocation of Base Delivery	(\$5,455,727)			\$5,455,727				\$0		
10	Subtotal	(\$1,644,244)	\$12,712	\$265,473	\$7,809,603	\$73,201	\$0	(\$2,665,021)	\$0		
11	<b>Adjusted Cost-of-Service</b>	<b>\$1,759,526</b>	<b>\$83,149</b>	<b>\$1,736,458</b>	<b>\$8,604,167</b>	<b>\$212,543</b>	<b>(\$328,000)</b>	<b>\$0</b>	<b>\$17,103,900</b>		

Table 5-12 divides the adjusted cost-of-service (Table 5-11, Line 11) by the respective units-of-service for each cost component, to determine the unit cost for each component.

**Table 5-12: Unit Costs-of-Service**

	Supply & Base Delivery		Billing & Customer Service			Private Fire Protection		Revenue Offsets
	ccf	Max Day ccf/day	Conservation ccf	Service meters	Meters EMS	Equivalent Fire	ccf	
Adjusted Cost-of-Service	\$5,036,056	\$1,759,526	\$83,149	\$1,736,458	\$8,604,167	\$212,543	(\$328,000)	
Units	2,823,124	5,423	2,823,124	13,086	14,218	29,528	2,823,124	
<b>Unit Cost, \$/unit</b>	<b>\$1.784</b>	<b>\$324.43</b>	<b>\$0.029</b>	<b>\$11.06</b>	<b>\$50.43</b>	<b>\$0.60</b>	<b>(\$0.116)</b>	

The max day unit cost from Table 5-12 is applied to the customer classes and tiers based on their respective max day peaking requirements to determine the peaking unit cost at the class/tier level. Table 5-13 shows the derivation of the peaking cost at the class/tier level. The Max Day costs from Table 5-11, Line 11 are allocated to the class/tiers based on the Max Day Requirements (Column B). These costs are divided by the water used by each class/tier (Column D) to derive the peaking unit rate (Column E).

**Table 5-13: Peaking Unit Rate Calculation**

Line No.	Customer Class/Tier (A)	Max Day Requirements (CCF/Day) (B)	Allocated		
			Max Day Costs (C)	Water Use (CCF) (D)	Peaking Unit Rate (\$/CCF) (E)
1	Residential Tier 1 (0-30 ccf/mo)	2,702	\$876,642	1,952,603	\$0.449
2	Residential Tier 2 (30.01+ ccf/mo)	993	\$322,065	216,956	\$1.484
3	Non-Residential	437	\$141,864	322,176	\$0.440
4	Irrigation	1,291	\$418,955	331,389	\$1.264
<b>5</b>	<b>Total</b>	<b>5,423</b>	<b>\$1,759,526</b>	<b>2,823,124</b>	

### 5.3. Proposed Water Rates and Charges

From the calculations in Table 5-12, the proposed fixed charges are determined for each meter size. Table 5-14 shows the derivation of the Monthly Service Charge. The Billing & Customer Service component (Column D) is equal to the unit rate from Table 5-12. As the cost of issuing a bill does not vary by meter size, it remains constant for all meter sizes. The Meters component (Column E) is the Meters unit cost from Table 5-12 for the 1” meter. For meters larger than 1”, this unit rate is multiplied by the meter ratio (Column C) to derive the meter capacity cost associated with those larger meter sizes. The Proposed Monthly Service Charge (Column F) is the sum of Columns D and E. The Current Charge is shown in Column G for comparison.

**Table 5-14: Monthly Service Charge Derivation**

Line No.	Meter Size (A)	Number of Meters (B)	Meter Ratio (C)	Billing & Customer Service (D)	Meters (E)	Proposed Monthly Charge (F)	Current Monthly Charge (G)
1	1"	12676	1.00	\$11.06	\$50.43	\$61.49	\$62.37
2	1.5"	102	2.00	\$11.06	\$100.86	\$111.92	\$87.79
3	2"	264	3.20	\$11.06	\$161.38	\$172.44	\$118.29
4	3"	22	7.00	\$11.06	\$353.02	\$364.08	\$189.48
5	4"	17	12.00	\$11.06	\$605.17	\$616.23	\$291.14
6	6"	5	27.00	\$11.06	\$1,361.63	\$1,372.69	\$545.33
7	8"	0	32.00	\$11.06	\$1,613.78	\$1,624.85	\$850.36
8	10"	0	84.00	\$11.06	\$4,236.18	\$4,247.24	\$1,206.22

Table 5-15 shows the derivation of the Private Fire Protection Service Charge. Since private fire charges are on the same water bill, no additional billing component is charged. The charge shown in Column C is the unit rate shown for Private Fire Protection in Table 5-12 multiplied by the Fire Demand Factor (Column B). The current monthly charge is shown in Column D for comparison.

**Table 5-15: Private Fire Protection Service Charge Derivation**

Connection Size	Number of Connections (A)	Fire Demand Factor (B)	Proposed Monthly Charge (C)	Current Monthly Charge (D)
2"	2	6.19	\$3.72	\$3.08
3"	2	17.98	\$10.79	\$8.96
4"	34	38.32	\$22.99	\$19.08
6"	156	111.31	\$66.77	\$55.43
8"	24	237.21	\$142.29	\$118.12
10"	12	426.58	\$255.89	\$212.42
12"	0	689.04	\$413.32	\$343.10

The Commodity Rate incorporates the balance of the Base Delivery and Max Day components not captured in the fixed charge plus Conservation and Revenue Offsets, as shown in Table 5-16. The Base Delivery, Conservation, and Revenue Offsets costs match those shown in Table 5-12. The Max Day cost (Column C) matches that shown in Table 5-13. The sum of Columns B, C, D, and E result in the proposed total unit rate in Column F. The proposed rate for Tier 2 is lower than the current commodity rate due to a dampening in the Tier 2 demand since the last rate study. This unit rate includes all water purchase costs.

**Table 5-16: Proposed Water Commodity Rate**

Customer Class/Tier	Supply & Conservation Revenue Offsets					Proposed Rate	Current Rate
	Water Use (CCF) (A)	Base Delivery (B)	Max Day (C)	Conservation (D)	Revenue Offsets (E)	(\$/CCF) (F)	(\$/CCF) (G)
Residential Tier 1 (0-30 ccf/mo)	1,952,603	\$1.784	\$0.449	\$0.029	(\$0.116)	\$2.15	\$1.96
Residential Tier 2 (30.01+ ccf/mo)	216,956	\$1.784	\$1.484	\$0.029	(\$0.116)	\$3.19	\$4.12
Non-Residential	322,176	\$1.784	\$0.440	\$0.029	(\$0.116)	\$2.14	\$1.83
Irrigation	331,389	\$1.784	\$1.264	\$0.029	(\$0.116)	\$2.97	\$2.32

The proposed five-year water rates are shown in Table 5-17. The rates for FYE 2024 are derived from the cost-of-service analysis and the proposed revenue adjustments from Table 4-6 are used to determine the proposed water rates and charges for FYE 2025 to FYE 2028 by escalating the rates shown in FYE 2024.

**Table 5-17: Proposed 5-Year Water Rates and Charges**

<b>Proposed Rates</b>	<b>Current</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>	<b>Proposed</b>
Proposed Water Rate Schedule	2023	2024	2025	2026	2027	2028
<b>Proposed Revenue Adjustment</b>	N/A	cost-of-service	4.5%	4.5%	4.5%	4.5%
<b>Monthly Fixed Charges (by Meter Size)</b>						
1"	\$62.37	\$61.49	\$64.26	\$67.16	\$70.19	\$73.35
1.5"	\$87.79	\$111.92	\$116.96	\$122.23	\$127.74	\$133.49
2"	\$118.29	\$172.44	\$180.20	\$188.31	\$196.79	\$205.65
3"	\$189.48	\$364.08	\$380.47	\$397.60	\$415.50	\$434.20
4"	\$291.14	\$616.23	\$643.97	\$672.95	\$703.24	\$734.89
6"	\$545.33	\$1,372.69	\$1,434.47	\$1,499.03	\$1,566.49	\$1,636.99
8"	\$850.36	\$1,624.85	\$1,697.97	\$1,774.38	\$1,854.23	\$1,937.68
10"	\$1,206.22	\$4,247.24	\$4,438.37	\$4,638.10	\$4,846.82	\$5,064.93
<b>Commodity Charges (per CCF)</b>						
Residential						
Tier 1 (0-30 ccf/mo)	\$1.96	\$2.15	\$2.25	\$2.36	\$2.47	\$2.59
Tier 2 (30.01+ ccf/mo)	\$4.12	\$3.19	\$3.34	\$3.50	\$3.66	\$3.83
Non-Residential	\$1.83	\$2.14	\$2.24	\$2.35	\$2.46	\$2.58
Irrigation	\$2.32	\$2.97	\$3.11	\$3.25	\$3.40	\$3.56
<b>Private Fire Protection Service Monthly Fixed Charges (by Connection Size)</b>						
2"	\$3.08	\$3.72	\$3.89	\$4.07	\$4.26	\$4.46
3"	\$8.96	\$10.79	\$11.28	\$11.79	\$12.33	\$12.89
4"	\$19.08	\$22.99	\$24.03	\$25.12	\$26.26	\$27.45
6"	\$55.43	\$66.77	\$69.78	\$72.93	\$76.22	\$79.65
8"	\$118.12	\$142.29	\$148.70	\$155.40	\$162.40	\$169.71
10"	\$212.42	\$255.89	\$267.41	\$279.45	\$292.03	\$305.18
12"	\$343.10	\$413.32	\$431.92	\$451.36	\$471.68	\$492.91

# 6. Customer Impact Analysis

The proposed revenue adjustments are different from customer bill impacts in FYE 2024 due to the distributional impacts of the cost-of-service analysis. Figure 6-1 shows the bill impacts for a single family residential customer on a 1” meter (most common size for this customer class) at different levels of usage in a month.

Figure 6-1: Sample Single Family Residential Monthly Water Bill Comparison, FYE 2024

## Single Family Residential Monthly Bill Impacts for 1" Meter, 11 ccf = Median

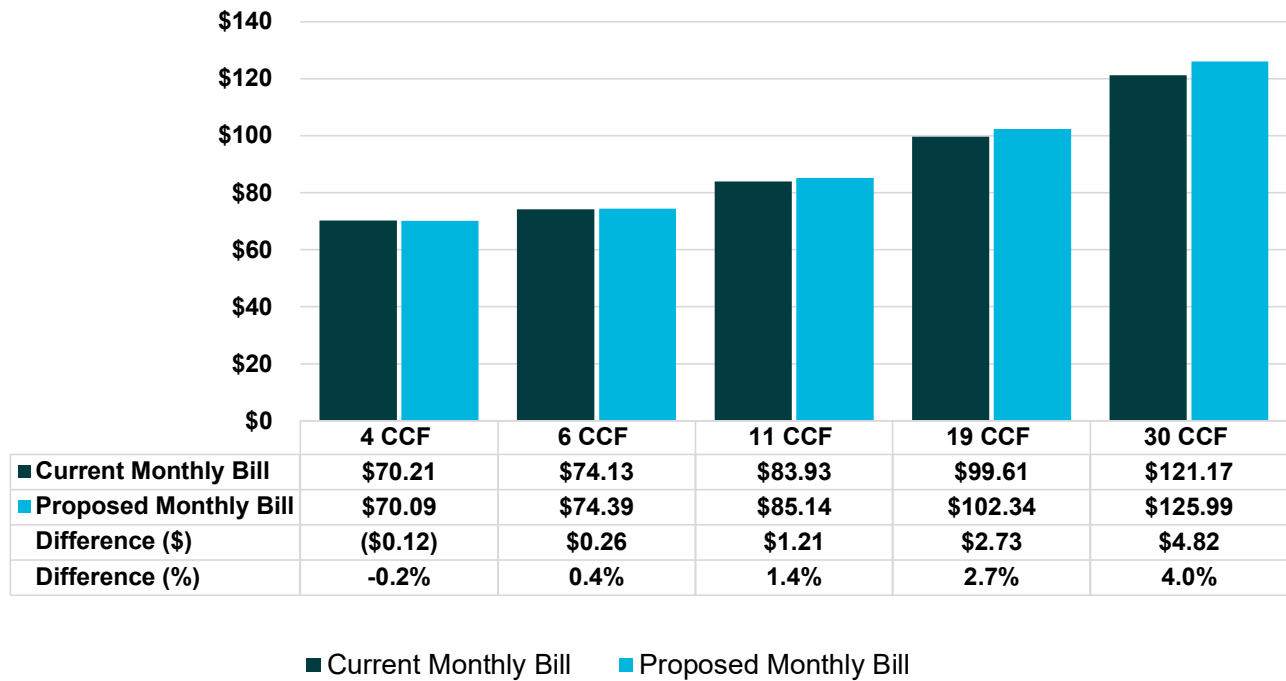


Figure 6-2 shows a comparison of FYE 2024 non-residential bills based on a 2” meter for different monthly usage. Figure 6-3 shows a comparison of FYE 2024 irrigation bills based on a 2” meter for different monthly usage. The 2” meter is the most common meter size for these two customer classes.



Figure 6-2: Sample Non-Residential Bill Comparison, FYE 2024

### Non-Residential Monthly Bill Impacts for 2" Meter, 26 ccf = Median

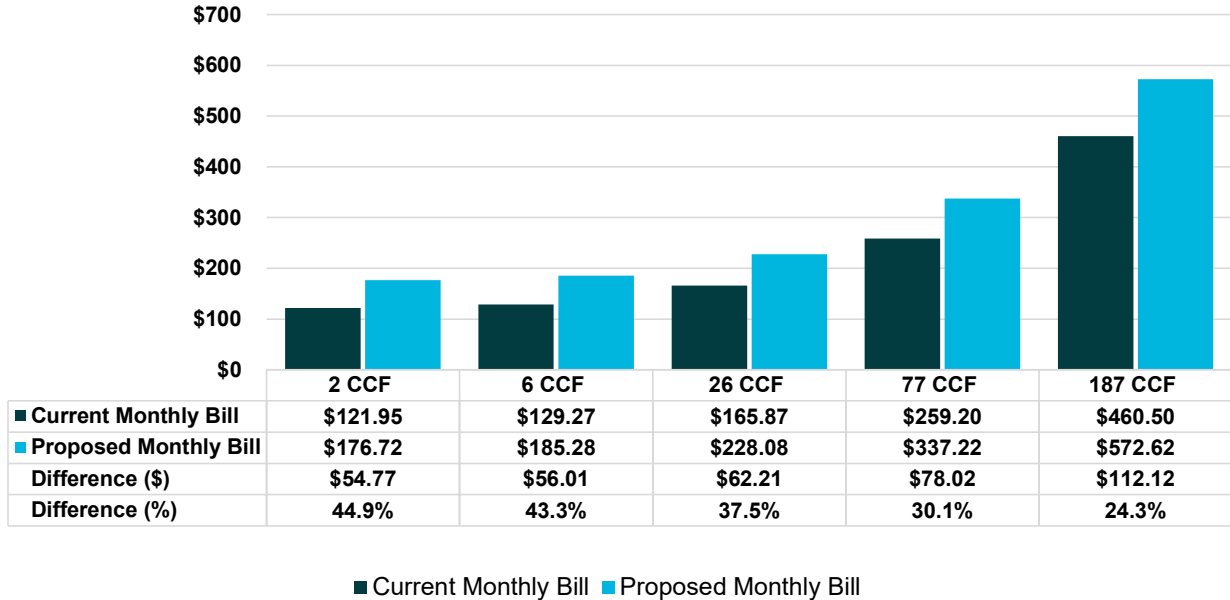
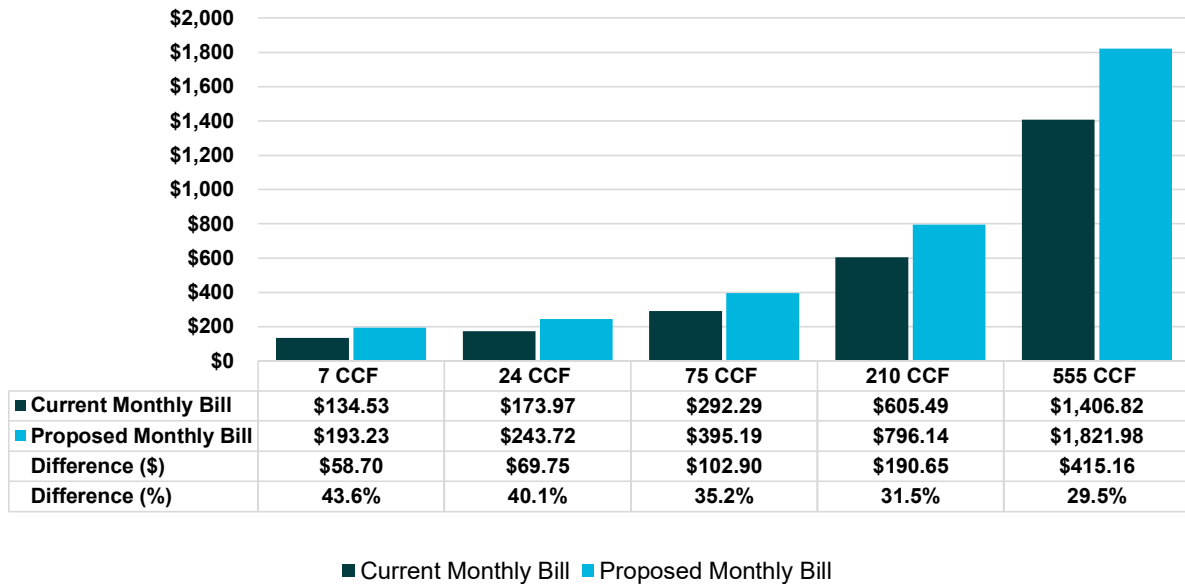


Figure 6-3: Sample Irrigation Bill Comparison, FYE 2024

### Irrigation Monthly Bill Impacts for 2" Meter, 75 ccf = Median



**APPENDIX A:**

**Water Capital Projects**



Project	FYE 2023	FYE 2024	FYE 2025	FYE 2026	FYE 2027	FYE 2028
<b>Supply/ Distribution Improvements</b>						
Well Rehabilitation Program pg. 10	\$0	\$82,400	\$0	\$0	\$0	\$0
Derr St. Water Main Looping pg. 12	\$0	\$60,000	\$0	\$0	\$0	\$0
School St./Locust Water Main pg.14	\$0	\$298,000	\$0	\$0	\$0	\$0
Service Line Replacements Pavement Repairs pg. 16	\$85,000	\$0	\$0	\$0	\$0	\$0
Locust/Summit Alley Water Main pg. 18	\$635,000	\$0	\$0	\$0	\$0	\$0
Elk Grove Blvd./Grove St. Alley Water Main pg. 20*	\$376,000	\$0	\$0	\$0	\$0	\$0
Locust St. Elk Grove Blvd Alley/Derr St. Water Main pg. 22**	\$0	\$377,000	\$0	\$0	\$0	\$0
Locust St. Elk Grove Blvd. Main pg. 24	\$0	\$140,000	\$0	\$0	\$0	\$0
2nd Ave./Mazatlan Way Water Main pg. 26	\$0	\$0	\$0	\$441,000	\$0	\$0
Adams St. Water Main pg. 28	\$129,000	\$0	\$0	\$0	\$0	\$0
Grove St. Water Main pg. 30	\$0	\$431,000	\$0	\$0	\$0	\$0
Elk Grove Florin-Frontage Rd. Water Main pg. 32	\$0	\$669,500	\$0	\$0	\$0	\$0
Kilkenny Ct. Water Main pg. 34	\$0	\$0	\$0	\$223,000	\$0	\$0
Leo Virgo Ct. Water Main pg. 36	\$0	\$0	\$0	\$223,000	\$0	\$0
Plaza Park Dr. Water Main pg. 38	\$0	\$0	\$753,000	\$0	\$0	\$0
Durango Way Water Main pg. 40	\$0	\$0	\$363,000	\$0	\$0	\$0
Sierra St. Service Line Replacements pg. 42	\$0	\$87,550	\$0	\$0	\$0	\$0
Lark St. Water Main pg. 44	\$0	\$0	\$369,000	\$0	\$0	\$0
Mazatlan Way Water Main pg. 46	\$0	\$0	\$0	\$321,000	\$0	\$0
Webb St. Water Main pg. 48	\$0	\$0	\$0	\$0	\$428,000	\$0
2nd Ave. Water Main pg. 50	\$188,000	\$0	\$0	\$0	\$0	\$0
Grove St./Elk Grove Blvd Water Main pg. 52	\$0	\$0	\$0	\$0	\$446,000	\$0
Halverson Dr. Water Main pg. 54	\$0	\$0	\$0	\$0	\$654,000	\$0
Railroad Corridor Water Line pg. 56	\$0	\$0	\$0	\$145,000	\$0	\$0
Cadura Circle Water Main Looping pg. 58	\$0	\$0	\$0	\$0	\$60,000	\$0
Aizenberg Cir. Water Main Looping pg. 60	\$0	\$0	\$0	\$0	\$103,000	\$0
Transmission Main Brinkman Ct. (Cost Share) pg. 62	\$50,000	\$0	\$0	\$0	\$0	\$0
Elk Grove Shopping Center Water Main pg. 64	\$0	\$0	\$0	\$0	\$70,000	\$0
Glorieta Ct. Water Main pg. 66	\$0	\$0	\$0	\$53,000	\$0	\$0
La Diana Ct. Water Main pg. 68	\$0	\$0	\$0	\$56,000	\$0	\$0
Aquarius Ct. Water Main pg. 70	\$0	\$0	\$0	\$140,000	\$0	\$0
Five-Year Plan Annual Average (with inflationary adjustments)	\$0	\$0	\$0	\$0	\$0	\$1,691,290
<b>Subtotal - Supply/ Distribution Improvements</b>	<b>\$1,463,000</b>	<b>\$2,145,450</b>	<b>\$1,485,000</b>	<b>\$1,602,000</b>	<b>\$1,761,000</b>	<b>\$1,691,290</b>
<b>Treatment Improvements</b>						
Storage Tank Coating Repairs pg. 72	\$0	\$0	\$0	\$20,000	\$0	\$0
Storage Tank Interior Repairs pg. 74	\$0	\$30,000	\$0	\$0	\$0	\$0
Media Replacement - RRWTP Filter Vessels pg. 76	\$90,000	\$0	\$0	\$0	\$0	\$0
Media Replacement - HVWTP Filter Vessels pg. 78	\$0	\$0	\$95,481	\$0	\$0	\$0
PLC - RRWTP Main & Filter Panel pg. 80	\$0	\$0	\$60,000	\$0	\$0	\$0
ChlorTec System Replacements pg. 82	\$150,000	\$0	\$0	\$0	\$0	\$0
Chlorine Analyzers Shallow Wells pg. 84	\$0	\$70,000	\$0	\$0	\$0	\$0
Five-Year Plan Annual Average (with inflationary adjustments)	\$0	\$0	\$0	\$0	\$0	\$103,096
<b>Subtotal - Treatment Improvements</b>	<b>\$240,000</b>	<b>\$100,000</b>	<b>\$155,481</b>	<b>\$20,000</b>	<b>\$0</b>	<b>\$103,096</b>
<b>Building &amp; Site Improvements/ Vehicles</b>						
Administration Building Tentative Improvements pg. 86	\$1,281,000	\$0	\$0	\$0	\$0	\$0
Back-Up I.T. Server Replacement pg. 88	\$30,000	\$0	\$0	\$0	\$0	\$0
Backhoe Loader pg. 90	\$0	\$160,000	\$0	\$0	\$0	\$0
Truck Replacements pg. 92	\$0	\$150,000	\$120,000	\$130,000	\$145,000	\$109,000
Pavement Repair & Seal Coat - RRWTP pg.94	\$0	\$0	\$25,000	\$0	\$0	\$0
Estimated CIP beyond Five-Year Plan	\$0	\$0	\$0	\$0	\$0	\$100,000
<b>Subtotal - Building &amp; Site Improvements/ Vehicles</b>	<b>\$1,311,000</b>	<b>\$310,000</b>	<b>\$145,000</b>	<b>\$130,000</b>	<b>\$145,000</b>	<b>\$209,000</b>
<b>Additional Capital Projects</b>						
Unforeseen Capital Projects	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
SCADA Software Upgrade	\$0	\$50,000	\$0	\$0	\$0	\$0
Well Replacement	\$0	\$0	\$0	\$0	\$0	\$4,600,000
Advanced Metering Infrastructure (AMI)	\$0	\$0	\$3,000,000	\$0	\$0	\$0
<b>Subtotal - Additional Capital Projects</b>	<b>\$100,000</b>	<b>\$150,000</b>	<b>\$3,100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$4,700,000</b>
<b>Total CIP</b>	<b>\$3,114,000</b>	<b>\$2,705,450</b>	<b>\$4,885,481</b>	<b>\$1,852,000</b>	<b>\$2,006,000</b>	<b>\$6,703,386</b>

**APPENDIX B:**

**O&M Line-Item Allocations**



Description	Transmission					Billing &		Fire		Private Fire		Purchased	Total
	Water Supply	Treatment	Storage	& Distribution	Conservation	Customer Service	Meters	Hydrants	Protection	General	Water		
<b>Salaries &amp; Benefits</b>													
Executive Salary	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Exempt Salaries	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Non-Exempt Salaries	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Overtime Compensation	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
On Call Pay	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Holiday Pay	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Vacation Pay	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Personal Time Pay	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Medical Benefits	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
EAP	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
EGWD Contribution H.S.A	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Dental/Vision/Life Insurance	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Retirement Benefits	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Retirement Benefits - Post Employment	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Medical Tax, Social Security and SUI	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Worker's Compensation Insurance	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Education Assistance	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Employee Training	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Employee Recognition	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Meetings	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
Additional FYE 2024 Salary Expenses	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%	
<b>Seminars, Conventions and Travel</b>													
Airfare	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Hotels	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Meals	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Auto Rental	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Seminars & Conferences	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Seminars & Conferences - Board	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Mileage Reimbursement, Parking, Tolls	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
Auto/Telephone Allowance	9.4%	8.8%	1.3%	12.2%	2.0%	7.9%	2.7%	1.2%	0.6%	53.8%	0.0%	100.0%	
<b>Office &amp; Operational</b>													
Advertising	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Association Dues	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Insurance	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Licenses, Certifications, Fees	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Repairs & Maintenance - Automotive	3.1%	7.2%	0.6%	88.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	100.0%	
Repairs & Maintenance - Building	3.1%	7.2%	0.6%	88.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	100.0%	
Repairs & Maintenance - Computers	3.1%	7.2%	0.6%	88.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	100.0%	
Repairs & Maintenance - Equipment	3.1%	7.2%	0.6%	88.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	100.0%	
Fuel	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Materials	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Chemicals	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Meter Repairs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Permits	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Postage	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Printing	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
Safety Equipment	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Software Programs & Updates	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Supplies	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Telephone	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Tools	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Clothing Allowance	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
EGWD Other Clothing	9.4%	10.7%	5.0%	17.5%	0.5%	8.6%	8.6%	2.8%	2.5%	34.4%	0.0%	100.0%	
Water Conservation Materials	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
ERP Billing System Upgrade	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
<b>Purchased Water</b>													
Purchased Water	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	

Description						Billing & Customer Service		Fire Hydrants	Private Fire Protection	Purchased Water		Total
	Water Supply	Treatment	Storage	Transmission & Distribution	Conservation	Meters		General				
<b>Outside Services</b>												
Administration Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Bank Charges	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Billing Services	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Contracted Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Water Conservation Services	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Accounting Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Engineering	3.1%	7.2%	0.6%	88.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	100.0%
Special Projects	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Legal Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Financial Consultants	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Community Relations	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Misc. Medical	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Pre-employment	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Janitorial	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Bond Administration	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Security	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Sampling	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Board Secretary/Treasurer	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
<b>Equipment, Rent, Taxes and Utilities</b>												
Occupancy	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Equipment Rental	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Property Taxes	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Electricity	65.0%	35.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Natural Gas	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Sewer & Garbage	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
<b>Less Capitalized Labor</b>												
Less Capitalized Labor	10.6%	11.5%	5.1%	18.7%	1.0%	11.6%	9.1%	2.9%	2.6%	26.9%	0.0%	100.0%

**FLORIN RESOURCE CONSERVATION  
DISTRICT / ELK GROVE WATER DISTRICT**

**Capacity Fee Study**

**FINAL REPORT / MAY 2, 2023**







May 2, 2023

Mr. Bruce Kamilos, PE  
General Manager  
Florin Resource Conservation District / Elk Grove Water District  
9829 Waterman Rd.  
Elk Grove, CA 95624

**Subject: Capacity Fee Study – Final Draft**

Dear Mr. Kamilos:

Raftelis Financial Consultants, Inc. (Raftelis) is pleased to provide this Capacity Fee Study report for the Florin Resource Conservation District / Elk Grove Water District (District). This report explains the methodologies and rationale used to develop the capacity fee for the District's Service Area 1.

It has been a pleasure working with you, and we thank you and District staff for the support provided during the course of this study.

Sincerely,

A handwritten signature in black ink that reads 'Theresa M. Jurotich'.

**Theresa Jurotich, PE (KS, WA), PMP**  
*Manager*

A handwritten signature in black ink that reads 'Charles Diamond'.

**Charles Diamond**  
*Senior Consultant*

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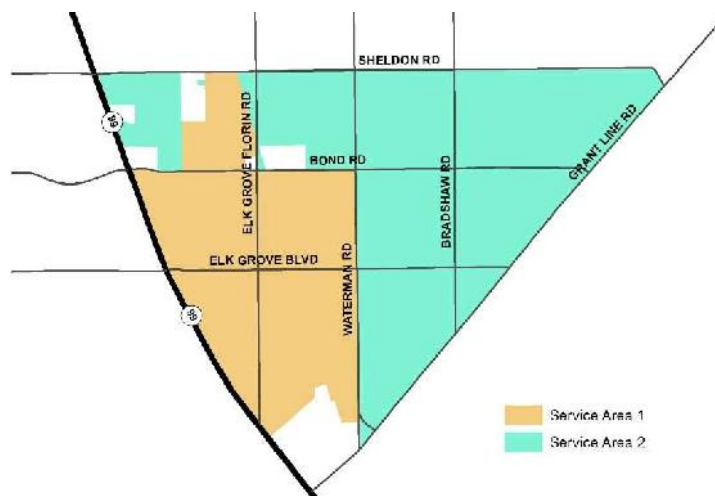
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# 1. Executive Summary

In 2022, the Florin Resource Conservation District / Elk Grove Water District (District) engaged Raftelis to conduct a capacity fee study to update water capacity fees. The study is informed by the legal requirements in California.

The District has two services areas as shown in Figure 1-1. The District owns and operates a water supply, transmission, and distribution system within Service Area 1. In Service Area 2, the District owns the distribution system while the Sacramento County Water Agency owns and operates the transmission and water supply system. Therefore, the District calculates a water capacity fee for Service Area 1. Capacity fees for Service Area 2 are developed by, and paid to, the Sacramento County Water Agency.

Figure 1-1: Elk Grove Water District Service Areas Map



Given the District has available water system capacity, Raftelis used the equity buy-in method to calculate updated capacity fees for Service Area 1. The asset value as replacement cost less depreciation was determined and divided by the existing equivalent meters to determine the updated fees. Table 1-1 presents the projected capacity fees.

Table 1-1: Proposed and Existing Water Capacity Fees<sup>1</sup>

Meter Size	EM	Proposed	Current
	Capacity Ratio	\$/EM	\$/EDU (\$/EM)
1"	1.0	<b>\$4,292</b>	\$4,479
1 1/2"	2.0	<b>\$8,584</b>	\$8,958
2"	3.2	<b>\$13,734</b>	\$14,333
3"	7.0	<b>\$30,044</b>	\$26,874
4"	12.0	<b>\$51,504</b>	\$44,790
6"	27.0	<b>\$115,884</b>	\$89,580

<sup>1</sup> Capacity ratios are based on safe operating capacities for the most common meter types used by the District as listed in the American Water Works Association, *Principles of Water Rates, Fees, and Charges*, M1, Seventh Edition

## 2. Legal Requirements and Fee Setting Methodology

The philosophy that utility services should be paid for by those that receive the service is often referred to as “growth-pays-for-growth.” The principal is summarized in the American Water Works Association (AWWA) Manual M26: Water Rates and Related Charges:

*“The purpose of designing customer-contributed-capital system charges is to prevent or reduce the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a ‘growth-pays-for-growth’ policy.”*

This principle, in general, applies to water, wastewater, and storm drainage systems. In the excerpt above, customer-contributed-capital system charges are equivalent to capacity fees.

### 2.1. Capacity Fees Legal Framework and California Requirements

In establishing capacity fees, it is important to understand and comply with local laws and regulations governing the establishment, calculation, and implementation of capacity fees. The following sections summarize the regulations applicable to the development of capacity fees for the District.

Capacity fees must be established based on a reasonable relationship to the needs and benefits brought about by the development or expansion. Courts have long used a standard of reasonableness to evaluate the legality of development charges. The basic statutory standards governing capacity fees are embodied by California Government Code Sections 66013, 66016, 66022 and 66023. Government Code Section 66013 contains requirements specific to determining utility development charges:

*“Notwithstanding any other provision of law, when a local agency imposes fees for water connections or sewer connections, or imposes capacity charges, those fees or charges shall not exceed the estimated reasonable cost of providing the service for which the fee or charge is imposed, unless a question regarding the amount the fee or charge in excess of the estimated reasonable cost of providing the services or materials is submitted to, and approved by, a popular vote of two-thirds of those electors voting on the issue.”*

Section 66013 also includes the following general requirements:

- Local agencies must follow a process set forth in the law, making certain determinations regarding the purpose and use of the charge; they must establish a nexus or relationship between a development project and the public improvement being financed with the charge.
- The capacity charge revenue must be segregated from the General Fund in order to avoid commingling of capacity fees and the General Fund.

## 2.2. Capacity Fees Methodology

Capacity fees are also commonly known as developer fees, development impact fees, connection fees, tap fees, and system development charges, among others. All are one-time capital charges, assessed against a new development (or intensified redevelopment), to recover the proportional share of capacity investment, previously constructed by a utility (or will be constructed), to accommodate growth. Capacity fees are codified in the California Government Code Sections 66000-60025. Capacity fees must reflect the link between the fee imposed on, and the benefit received by, a new connection to the system. The fee charged may not exceed the reasonable share of costs associated with providing the service.

Three different methodologies to calculate capacity fees exist: **buy-in, incremental, and hybrid**; with variations of each dictated by local community and system characteristics, as well as policy objectives. Utilities have broad latitude in the method and approach used to calculate fees provided the fees reflect the benefit of, and do not exceed the costs for, providing service to the connection. These fees are designed to be proportional to the burden placed on the system by new connections. The project team, which includes Raftelis and District staff, decided to use the buy-in approach given the system still has capacity to meet demand.

The “buy-in method” is based on the premise that new customers are entitled to service at the same price as existing customers. Under this approach, new customers pay only an amount equal to the current system value, either using the original cost, replacement cost, original cost less depreciation, or replacement cost less depreciation as the valuation basis. This net investment, or value of the system, is then divided by the current capacity of the system to determine the buy-in cost per unit. For example, if the existing system has 100 units of average use and the new connector uses an equivalent unit, then the new customer would pay 1/100 of the total value of the existing system. By contributing this capacity fee, the new connector has bought into the existing system. The user has effectively acquired a financial position on par with existing customers and will face future capital re-investment on equal financial footing with those customers. This approach is suitable when: (1) agencies have built most of their facilities and only a small portion of future facilities are needed for build-out, (2) agencies do not have a detailed adopted long-term capital improvement plan, or (3) the “build-out” date is so far out in the future that it is difficult to accurately project growth and required facilities with precision.

To estimate the asset value of existing facilities, Raftelis recommends the replacement cost less depreciation (RCLD) method. The current value of water facilities is materially affected by the effects of age. All assets have estimated useful lives, which vary by type. For example, pumps may have a 20-year life, buildings 50 years, and pipelines 80 years. Each year an asset is devalued by the fraction of its useful life to original cost. This is referred to as straight line or linear depreciation. At the end of an asset’s useful life, it is worth zero dollars on paper, though it may still be in service. Depreciation accounts for estimated devaluation in system assets caused by wear and tear, decay, inadequacy, and obsolescence. To provide appropriate recognition of the effects of depreciation on existing water systems, the original cost valuation can be inflated to today’s dollars rather than the value of the dollar when the asset was placed in service. Original cost and depreciation are inflated using historical indices to reflect today’s dollars. Replacement cost depreciation is then subtracted from the replacement cost of the asset to yield replacement cost less depreciation. RCLD allows for an accounting of system assets in present value while also accounting for proportional devaluation via depreciation.

## 3. Capacity Fees

This section discusses the review and development of an updated water capacity fee for the District.

### 3.1. Methodology

In California, the basic statutory standards governing water connection, or capacity, fees are embodied in Government Code Sections 66013 et seq. (The Mitigation Fee Act). An important requirement in designing capacity fees is enumerated in Government Code 66013, which requires that capacity fees must be based on an estimate of the reasonable cost of providing capacity. Thus, the primary objectives of establishing full cost recovery capacity fees are to achieve equity in distributing costs and to provide a mechanism by which new users can pay for the cost of the facilities required to serve them, without burdening existing users. In short, the goal of full cost recovery capacity fees is to ensure that growth pays its own way.

Several methods exist to calculate capacity fees. Three main computational approaches are discussed below.

#### 3.1.1. Equity Buy-in Method

The buy-in concept is based on the premise that new users buy into the system and achieve a financial position that is on par with other existing users of the system. In publicly owned systems, most of the assets used to provide service are paid for by users through a system of rates, charges, and taxes. In service areas that experience growth in customers and in quantity of service provided, it is generally true that facilities used by previous customers now serve existing customers. Thus, it is the existing customers who have made the “up-front” investment in the existing system capacity including the unused or “surplus” capacity that is available to serve newly connecting customers.

To foster equity between existing and new users, the new users pay for the cost or value associated with equity of the existing user. If the existing system has 100 units of use and the new user requires one unit of use, then the new user would pay for 1/100 of the value of the existing system. This approach is termed the “equity buy-in” method because by paying for the required capacity, the new user buys into the existing system and thereby achieves financial parity with other existing users. Together, the new and existing users will face future capital challenges on equal footing since equivalent investments have been made. This method is applicable in situations where the existing system has adequate surplus capacity and does not require major upgrades or improvements.

#### 3.1.2. Incremental Cost Method

The incremental method is based on the premise that new development (new users) should pay for the additional capacity and expansions necessary to serve the new development. This method is typically used where there is little or no capacity available to accommodate growth and expansion is needed to service the new development. Under the incremental method, growth-related capital improvements are allocated to new development based on their estimated usage or capacity requirements, irrespective of the value of past investments made by existing customers.

For instance, if it costs X dollars (\$X) to provide 100 additional equivalent units of capacity for average usage and a new connector uses one of those equivalent units, then the new user would pay \$X/100 to connect to the system. In other words, new customers pay the incremental cost of capacity. As with the equity buy-in

approach, new connectors will effectively acquire a financial position that is on par with existing customers. Use of this method is generally considered to be most appropriate when a significant portion of the capacity required to serve new customers must be provided by the construction of new facilities.

### 3.1.3. Hybrid

The hybrid approach is typically used where some capacity is available to serve new growth but additional expansion is still necessary to accommodate new development. Under the hybrid approach the capacity fee is based on the summation of the existing capacity and any necessary expansions. In utilizing this methodology, it is important that system capacity costs are not double counted when combining costs of the existing system with future costs from the capital improvement program. Capital costs associated with repair and replacement of the existing system should not be included in the calculation, unless specific existing facilities that will be replaced through the capital improvement program can be isolated and removed from the existing asset inventory and cost basis. In this case, the rehabilitative costs of the capital projects essentially replace the cost of the relevant existing assets in the existing cost basis. Capital improvements that expand system capacity to serve future customers may be included proportionally to the percentage of the cost specifically required for expansion of the system.

### 3.1.4. Proposed Approach

The approach used in determining capacity fees needs to reflect the system characteristics in addition to meeting regulatory requirements and policy considerations. In determining the District's capacity fees, we recommend the equity buy-in method as the District has no growth projects planned and still has sufficient existing capacity to meet additional demands from new customers.

For the equity buy-in approach, we used the replacement cost less depreciation (RCLD) method to determine the value of the system. This method considers the cost to build new facilities but recognizes that capacity available in existing facilities is not new and is adjusted for depreciation.

## 3.2. Water Capacity Fee

The District only assesses a capacity fee on new development in Service Area 1 as it owns and operates a water supply, transmission, and distribution system within this area. Within Service Area 2, the Sacramento County Water Agency owns and operates the transmission and supply system, the backbone assets of that system. The District owns the distribution system. Therefore, the District does not assess a capacity fee for new customers in Service Area 2; that is done by the Sacramento County Water Agency.

To determine the water system capacity cost (fee), Raftelis calculated the replacement cost of the Service Area 1 backbone system as of December 2022 by inflating historical costs using the annual average Engineering News Record (ENR) Construction Cost Index (CCI) for San Francisco. The backbone system represents those assets such as water supply, treatment, and transmission that are for the benefit of all customers. Assets that serve a portion of the customers are considered non-backbone and are not included in the calculation. To recognize that Service Area 1 is not new, Raftelis subtracted the accumulated depreciation of its backbone assets from the replacement cost to determine the value of the RCLD of Service Area 1 assets. The RCLD of Service Area 1 for the mid-point of FYE 2022 is shown in Line 1 of Table 3-1. Outstanding debt principal is subtracted from this value because the bond or loan holders "own" that portion of the asset value. Additionally, when new users join Service Area 1, they will be responsible for debt payments through the regular fees and charges. New users also benefit from the District's cash reserves, which represent equity



existing users have added to the system. Therefore we subtract outstanding debt (Line 2) and add in cash reserves (Line 3). The resulting value in Line 4 is the adjusted system value.

**Table 3-1: Water Capacity Fee Calculation**

Line No.	Basis of Proposed Water Capital Fee	Equity Buy-in
	Existing Equity Buy-In Component	RCLD-Total
1	SA1 Backbone System Value	\$ 48,877,117
2	Less SA 1 Outstanding Debt Principal (1)	\$ 21,488,535
3	SA1 Cash on Hand (1)	\$ 10,067,262
4	Adjusted System Value	\$ 37,455,844
5	Number of Equivalent Meters (EM) in Service Area 1	8,725
6	Buy-in Unit Charge @ 1" Meter, \$/EM	\$ 4,292

(1) Allocated to SA1 based on RCLD asset valuation.

We divide the adjusted system value by the number of existing equivalent meters (Line 5) in Service Area 1 to determine the capacity fee for an equivalent meter. The resultant fee for an equivalent 1-inch meter is shown in Table 3-1, Line 6.

Equivalent meters shown in Line 5 of Table 3-1 are calculated using a hydraulic capacity (capacity) ratio. The capacity ratio is based on meter hydraulic capacity and is calculated to represent the potential demand on the water system compared to the base meter size. A ratio of hydraulic capacity is calculated by dividing the capacity of a meter at a given size by the base meter capacity using the maximum safe operating flow rates in gallons per minute (gpm). The base meter used in the study is the 1" meter, which is the most common meter size in the District's water system.

Table 3-2 shows the meter capacity and capacity ratio for each meter size. The capacity in gpm is based on the safe operating flow rates provided in the AWWA Manual M1 for the most common meter types used by the District. These ratios reflect an update to the ratios used in prior studies. The capacity ratios (Column C) are calculated by dividing the capacity in gpm (Column B) for each meter size (Column A) by the capacity in gpm for the 1" meter (Column B, Line 1). Column E shows the estimated equivalent meters for Service Area 1 based on the capacity ratio. Meter counts (Column D) at each size are multiplied by the capacity ratio (Column C) to arrive at the total number of equivalent meters. The total number of equivalent meters (Column E, Line 7) matches the number shown in Line 5 of Table 3-1.

**Table 3-2: Equivalent Meters**

Line No.	Meter (A)	Capacity (gpm) (B)	AWWA Ratio (C)	Service Area 1 Meters (D)	Equivalent Meter (E)
1	1"	50	1.0	7,686	7686
2	1 1/2"	100	2.0	43	86
3	2"	160	3.2	221	707
4	3"	350	7.0	18	126
5	4"	600	12.0	10	120
6	6"	1350	27.0	0	0
7	Total			7,978	8,725

Table 3-3 presents the proposed and existing capacity fees for new water customers in Service Area 1. The proposed fee for each meter size is calculated by multiplying the 1” fee by the corresponding capacity ratio.

**Table 3-3: Proposed and Existing Water Capacity Fees**

Meter Size	EM	Proposed	Current
	Capacity Ratio	\$/EM	\$/EDU (\$/EM)
1"	1.0	<b>\$4,292</b>	\$4,479
1 1/2"	2.0	<b>\$8,584</b>	\$8,958
2"	3.2	<b>\$13,734</b>	\$14,333
3"	7.0	<b>\$30,044</b>	\$26,874
4"	12.0	<b>\$51,504</b>	\$44,790
6"	27.0	<b>\$115,884</b>	\$89,580

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Ben Voelz, Associate Engineer

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2024-28 CAPITAL IMPROVEMENT PROGRAM**

---

## **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution No. 05.16.23.01, approving the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program and the appropriation of \$3,175,000 from designated reserve funds to the Fiscal Year 2023-24 Capital Improvement Program budget.

## **SUMMARY**

The Fiscal Year (FY) 2024-28 Capital Improvement Program (CIP) describes capital improvement projects planned by the Elk Grove Water District (EGWD) over the next five (5) fiscal years. Staff presented the FY 2024-28 CIP at the Infrastructure Committee meeting held on April 11, 2023. Revisions to the CIP have been made based on comments from that meeting. The final version of the FY 2024-28 CIP (attached) is being presented to the Florin Resource Conservation District (FRCD) Board of Directors (Board) for consideration.

By this action, if approved, the Board will adopt Resolution No. 05.16.23.01, approving the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program and the appropriation of \$3,175,000 from designated reserve funds to the Fiscal Year 2023-24 Capital Improvement Program budget.

## **DISCUSSION**

### **Background**

The FY 2024-28 CIP describes capital improvement projects planned by EGWD over the next five (5) fiscal years. The CIP serves as a plan to improve, rehabilitate, and replace EGWD's water system infrastructure, and other facilities owned and operated by the EGWD. Staff presented the FY 2024-28 CIP to the Infrastructure Committee on April 11, 2023. Revisions to the CIP have been made based on comments from that meeting.

### **Present Situation**

The following is a summary of notable changes to this year's CIP.

- Approximately 41% of the FY 2024-28 CIP budget is allocated to water main replacements over the next five (5) years. Water main replacements in this year's CIP will

## **ELK GROVE WATER DISTRICT FISCAL YEAR 2024-28 CAPITAL IMPROVEMENT PROGRAM**

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focus on multiple areas within Service Area 1 where sections of the distribution system are meeting the end of useful life.

- Approximately 42% of the FY 2024-28 CIP budget is allocated to two (2) supply and distribution improvement projects over the next five (5) years: 1) Advanced Metering Infrastructure and 2) A new groundwater supply well.
- The remaining 17% of the FY 2024-28 CIP budget is allocated to equipment and software purchases, treatment improvements, and building/site improvements.

### New Projects Added to the FY 2024-28 CIP

- Enterprise Resource Planning (ERP) System (FY 23/24)
- Admin. Site Drainage Improvements (FY 23/24)
- Admin. Storage Bldg. Improvements (FY 23/24)
- Plotter for Tech. Services (FY 23/24)
- Trench Plates for Utility Crew (FY 23/24)
- Truck Mounted Compressor (FY 23/24)
- Vacuum Excavator Replacement (FY 24/25)
- Network Switch Replacements (FY 24/25)
- Computer Replacements (FY 25/26)
- AC Roller Replacement (FY 25/26)
- Advanced Metering Infrastructure (FY 24/25- FY26/27)
- Well 11D VFD Replacement (FY 26/27)
- New Groundwater Well Construction (FY 27/28)
- Admin. Site Pavement Repair (FY 27/28)

The final version of the FY 2024-28 CIP is being presented to the Board for consideration. Although the FY 2024-28 CIP is a five-year program, the CIP is funded on a year-to-year basis. Therefore, an appropriation of \$3,175,000 is being requested from designated reserve funds to the FY 2023-24 CIP budget. The capital costs presented in the FY 2024-28 CIP match the estimates used in the FY 2024 Water Rate Study.

Staff recommends the Board adopt Resolution No. 05.16.23.01, approving the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program and the appropriation of \$3,175,000 from designated reserve funds to the Fiscal Year 2023-24 Capital Improvement Program budget.

**ELK GROVE WATER DISTRICT FISCAL YEAR 2024-28 CAPITAL IMPROVEMENT PROGRAM**

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**ENVIRONMENTAL CONSIDERATIONS**

The adoption of the FY 2024-28 CIP does not, in and of itself, have a physical effect on the environment. Any environmental considerations related to the projects contained in the FY 2024-28 CIP will be addressed in the future, consistent with California Environmental Quality Act (CEQA). Environmental considerations will be addressed when staff reports are taken to the Board requesting authorization to proceed with each project.

**STRATEGIC PLAN CONFORMITY**

The recommendation made in this staff report conforms to Goal 2, Fiscal Responsibility, of the FRCD/EGWD 2020-2025 Strategic Plan. An approved CIP that guides how capital money will be spent is key to operating with fiscal responsibility and balancing the annual budget.

**FINANCIAL SUMMARY**

The financial impact of the FY 2024-28 CIP on capital funds is \$19,079,000 over five (5) fiscal years. A breakdown by year of capital funds required is as follows:

FY 2023-24	\$3,175,000
FY 2024-25	\$3,255,000
FY 2025-26	\$3,050,000
FY 2026-27	\$3,000,000
<u>FY 2027-28</u>	<u>\$6,599,000</u>
Total	\$19,079,000

To fund the FY 2024-28 CIP would require an appropriation of \$3,175,000 from designated reserves to the FY 2023-24 CIP budget.

Respectfully submitted,



BEN VOELZ  
ASSOCIATE ENGINEER

Attachment

**RESOLUTION NO. 05.16.23.01**

**A RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS APPROVING THE ELK GROVE WATER DISTRICT FISCAL YEAR 2024-28 CAPITAL IMPROVEMENT PROGRAM AND THE APPROPRIATION OF \$3,175,000 FROM DESIGNATED RESERVE FUNDS TO THE FISCAL YEAR 2023-24 CAPITAL IMPROVEMENT PROGRAM BUDGET**

**WHEREAS**, the Florin Resource Conservation District (District) is a Resource Conservation District organized pursuant to Division 9 of the California Public Resources Code, Sections 9001, et seq. (Resource Conservation Law); and

**WHEREAS**, the District is formed for the purposes delineated in the Public Resources Code Section 9001 and all things necessary to carry out the provisions of the Resource Conservation Law and adopted District Bylaws; and

**WHEREAS**, the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program (hereinafter, EGWD FY 2024-28 CIP) was presented to the Infrastructure Committee on April 11, 2023, for review; and

**WHEREAS**, comments from the Infrastructure Committee have been incorporated into the final version of the EGWD FY 2024-28 CIP; and

**WHEREAS**, the adoption of the EGWD FY 2024-28 CIP does not, in and of itself, have a physical effect on the environment. Any environmental considerations related to the projects contained in the EGWD FY 2024-28 CIP will be addressed in the future, consistent with the California Environmental Quality Act (CEQA); and

**WHEREAS**, the adoption of the EGWD FY 2024-28 CIP conforms to Goal No. 2, Fiscal Responsibility, of the Florin Resource Conservation District/Elk Grove Water District's 2020-2025 Strategic Plan; and

**WHEREAS**, the financial impact of the EGWD FY 2024-28 CIP on capital funds is \$19,079,000 over the next five fiscal years, however, the actual commitment of CIP funds are appropriated on a year-to-year basis with \$3,175,000 being requested for the FY 2023-24 Capital Improvement Program.

**NOW, THEREFORE, THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS DOES HEREBY RESOLVE:**

SECTION 1. The Board of Directors hereby adopts the foregoing recitals as true and correct and incorporates them herein by reference.

SECTION 2. The Board of Directors hereby adopts Resolution No. 05.16.23.01, approving the Elk Grove Water District Fiscal Year 2024-28 Capital Improvement Program, attached hereto as Exhibit "A", and the appropriation of \$3,175,000 from designated reserve funds to the Fiscal Year 2023-24 Capital Improvement Program budget.

SECTION 3. The Board Secretary shall certify the adoption of this Resolution.

SECTION 4. This Resolution shall take effect immediately upon its adoption.

**PASSED, APPROVED AND ADOPTED** this \_\_\_\_ day of \_\_\_\_\_, 2023.

**AYES:**

**NOES:**

**ABSENT:**

**ABSTAIN:**

---

Tom Nelson  
Chair

ATTEST:

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Stefani Phillips  
Board Secretary

APPROVED AS TO FORM:

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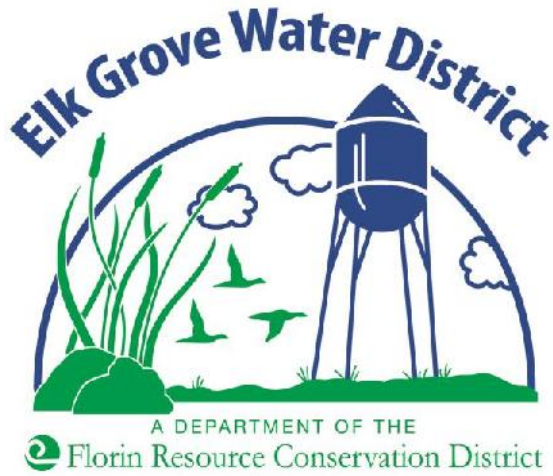
Ren Nosky  
General Counsel

**EXHIBIT “A”**

**“ELK GROVE WATER DISTRICT  
FY 2024-28 CAPITAL IMPROVEMENT PROGRAM”**

[Attached behind this cover page]





# FY 2024-28 CAPITAL IMPROVEMENT PROGRAM

## BOARD OF DIRECTORS

Tom Nelson, Chair

Paul Lindsay, Vice Chair

Lisa Medina, Director

Sophia Scherman, Director

Elliot Mulberg, Director

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## OVERVIEW

The Elk Grove Water District's (District) FY 2024-28 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects in fiscal years 2023/24 through 2027/28. The CIP is reviewed and updated on an annual basis and is a key component of the District's overall Strategic Plan. The CIP is an important document for performing water rate studies and for managing the District's operations. The CIP also provides a basis to align District plans with other local agency plans so that an integrated approach may be applied to projects within the community at large.

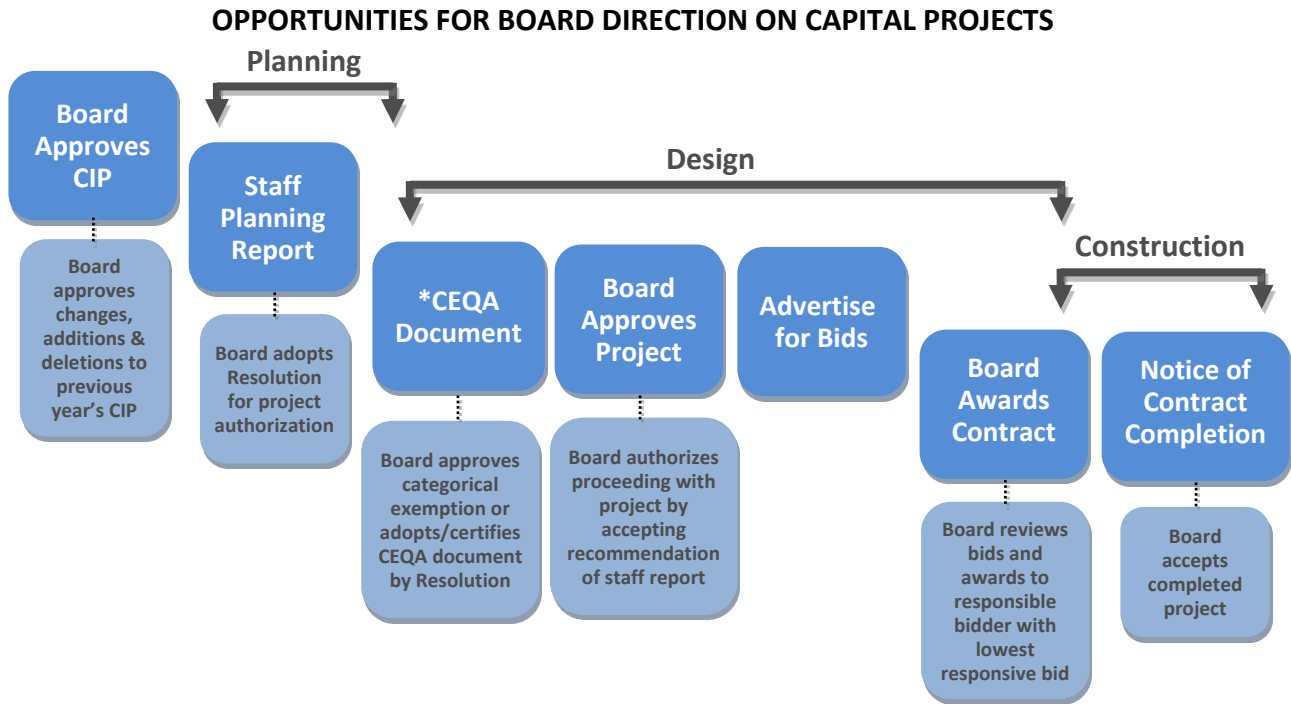
Annually, District staff members and the General Manager meet to identify projects to be included in the CIP. Each project defined in the CIP is summarized by a brief project description and justification. The project location, timing, expenditure schedule, funding source, impact on operating costs and useful life are given for each project. After the CIP is updated, the General Manager reviews the CIP to ensure proposed projects are aligned with the District's Strategic Plan. The CIP is developed in parallel with the District's budget and water rate setting analyses. The General Manager reviews the CIP's proposed expenditure schedule and funding sources to ensure that the CIP's financial elements are consistent with the District's financial policies.

The Board has opportunities each year to provide direction on projects contained in the CIP. During the year, the CIP is presented to the Board on separate occasions for review and input. The Board's comments and direction are incorporated into a draft CIP. The draft CIP is reviewed and accepted by the Board prior to releasing the CIP for public view.

Each project in the CIP goes through a planning phase, design phase and construction phase. At the beginning of the design phase, the environmental impacts relevant to the California Environmental Quality Act (CEQA) are determined for the project. For smaller projects with little or no impact on the environment, the lead agency may declare a negative declaration for the project or deem it exempt from CEQA. In these cases, project-specific information from the planning phase and requirements related to CEQA may be combined and summarized in a single staff report. This approach will help expedite the project schedule.

The Board may determine to not implement a project based on various considerations such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs near the end of the design phase when the Board approves proceeding with contract document preparation per the recommendation of a staff report. Figure 1 schematically summarizes the opportunities for Board direction on capital projects.

**FIGURE 1**



*\*For smaller projects that have a negative declaration or are exempt, CEQA determination may be included in the staff planning report to expedite the project schedule.*

Principal sources of revenue for the District come from water usage charges and developer connection fees. These revenues are organized into four fund sources – unrestricted reserves, capital improvements, capital repairs/replacements, elections and special studies. The CIP allocates the use of funds related only to capital improvements and capital repairs/replacements.

On the following page, Table 1 presents the project funding schedule of capital improvements for fiscal years 2023/24 through 2027/28. Each project was scored on a score sheet using priority ranking criteria. (All of the score sheets are provided in Appendix B.) A project priority list (Appendix A) was generated based on the priority scores from the score sheets. Projects with a priority score of 85-100 were assigned a priority 1. Projects with a priority score of 75-84 were assigned a priority 2. Projects with a priority score of 60-74 were assigned a priority 3. Projects with a priority score of 35-59 were assigned a priority 4. Projects with a priority score of 0-34 were assigned a priority 5. Detailed information for each project can be found starting on page 10 of this document. The detailed information for each project is presented in the same order as that in Table 1.

**Table 1**  
**5-Year CIP Summary**

(in thousands \$)

Priority	PROJECT NAME	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>							
1	AMI Metering Technology <i>pg. 10*</i>	-	1,092	1,125	1,160	-	3,377
1	Well Rehabilitation Program <i>pg. 12</i>	84	-	-	-	-	84
1	Derr St. Water Main Looping <i>pg. 14</i>	152	-	-	-	-	152
1	School St./Locust Water Main <i>pg. 16</i>	394	-	-	-	-	394
1	Locust St./Elk Grove Blvd Alley Water Main <i>pg. 18 **</i>	356	-	-	-	-	356
1	New Well Construction <i>pg. 20 ***</i>	-	-	-	-	4,600	4,600
2	Locust/Summit Alley Water Main <i>pg. 22 ****</i>	505	-	-	-	-	505
2	Elk Grove Shopping Center Water Main Looping <i>pg. 24</i>	-	75	-	-	-	75
2	Locust St./Elk Grove Blvd. Water Main Looping <i>pg. 26</i>	77	-	-	-	-	77
2	2nd Ave./Mazatlan Way Water Main <i>pg. 28</i>	-	-	-	514	-	514
3	Grove St. Water Main <i>pg. 30</i>	-	503	-	-	-	503
3	Elk Grove Florin-Frontage Rd. Water Main <i>pg. 32</i>	-	-	787	-	-	787
3	Plaza Park Dr. Water Main <i>pg. 34</i>	-	-	-	-	931	931
3	Lark St. Water Main <i>pg. 36</i>	-	417	-	-	-	417
3	Bond Rd. Water Main Relocation Project <i>pg. 38</i>	126	-	-	-	-	126
3	Mazatlan Way Water Main <i>pg. 40</i>	-	-	-	-	386	386
3	Webb St. Water Main <i>pg. 42</i>	-	457	-	-	-	457
3	Sierra St. Water Main <i>pg. 44</i>	-	-	-	438	-	438
4	Grove St./Elk Grove Blvd Water Main <i>pg. 46</i>	-	-	-	504	-	504
4	Halverson Dr. Water Main <i>pg. 48</i>	-	-	719	-	-	719
4	Railroad Corridor Water Line <i>pg. 50</i>	-	-	-	-	175	175
4	Cadura Circle Water Main Looping <i>pg. 52</i>	-	-	-	-	70	70
4	Transmission Main Brinkman Ct. (Cost Share) <i>pg. 54</i>	100	-	-	-	-	100
<b>TREATMENT IMPROVEMENTS</b>							
1	Dosing Pumps & ChlorTec System Installation <i>pg. 56</i>	150	-	-	-	-	150
2	PLC - RRWTP Main & Filter Panel <i>pg. 58</i>	-	66	-	-	-	66
2	Storage Tank Coating Repairs <i>pg. 60</i>	25	-	-	29	-	54
2	Storage Tank Interior Repairs <i>pg. 62</i>	-	35	-	-	-	35
3	Media Replacement - HVWTP Filter Vessels <i>pg. 64</i>	-	109	-	-	-	109
3	Media Replacement - RRWTP Filter Vessels <i>pg. 66</i>	-	-	112	-	116	228
3	Chlorine Analyzers Shallow Wells <i>pg. 68</i>	20	-	-	-	-	20
3	Well 11D VFD Replacement <i>pg. 70</i>	-	-	-	87	-	87
<b>BUILDING &amp; SITE IMPROVEMENTS / VEHICLES</b>							
1	Trench Plate Purchase <i>pg. 72</i>	130	-	-	-	-	130
2	Backhoe Loader <i>pg. 74</i>	210	-	-	-	-	210
2	Network Switch Replacements <i>pg. 76</i>	-	22	-	-	-	22
3	Truck Mounted Compressor <i>pg. 78</i>	35	-	-	-	-	35
3	Truck Replacements <i>pg. 80 ****</i>	66	229	112	168	191	766
3	Administration Bldg. Drainage Improvements <i>pg. 82</i>	95	-	-	-	-	95
3	Computer Replacements <i>pg. 84</i>	-	-	35	-	-	35
3	Vactor Trailer Replacement <i>pg. 86</i>	-	150	-	-	-	150
3	ERP System <i>pg. 88</i>	520	-	-	-	-	520
3	Pavement Repair & Seal Coat - RRWTP <i>pg. 90</i>	-	-	25	-	-	25
4	Plotter for Tech. Services <i>pg. 92</i>	10	-	-	-	-	10
4	Pavement Repair & Seal Coat - Admin. <i>pg. 94</i>	-	-	-	-	30	30
4	Admin. Storage Bld. Improvements <i>pg. 96</i>	20	-	-	-	-	20
4	AC Roller Replacement <i>pg. 98</i>	-	-	35	-	-	35
<b>UNFORESEEN CAPITAL PROJECTS</b>							
	Unforeseen Capital Projects <i>pg. 100</i>	100	100	100	100	100	500
<b>TOTAL CAPITAL IMPROVEMENT BUDGET</b>		<b>3,175</b>	<b>3,255</b>	<b>3,050</b>	<b>3,000</b>	<b>6,599</b>	<b>19,079</b>
* Costs shown include 50% funding match							
** Project to receive \$215K of American Rescue Plan Act Funds							
*** Project includes potential 50% match grant funding							
**** Carry over projects from FY 22/23							

Table 2 and Table 3 separate the funding source requirements into two components – user fees, and connection fees. The relevance of separating the funding source requirements into two components is critical when performing water rate studies. Water rate studies determine how capital improvements will be funded – either through rates charged to existing users (user fees), or through fees collected from new users (connection fees). On the next pages, Tables 4A through 4G provide supporting data for Table 2. Tables 4A through 4G break down **user fees** by funding sources and capital improvement programs. Tables 5A and 5B provide supporting data for Table 3. Tables 5A and 5B break down **connection fees** by capital improvement programs.

Table 2  
Funding Source Requirements  
User Fees

(in thousands \$)

FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>CAPITAL IMPROVEMENT FUNDS</b>						
Supply/Distribution Improvements	329	1,167	1,125	1,160	4,845	8,626
Treatment Improvements	20	-	-	-	-	20
Building & Site Improvements/Vehicles	441	229	112	168	191	1,141
SUB-TOTAL	790	1,396	1,237	1,328	5,036	9,787
<b>CAPITAL REPAIR/REPLACEMENT FUNDS</b>						
Supply/Distribution Improvements	1,465	1,377	1,506	1,456	1,317	7,121
Treatment Improvements	175	210	112	116	116	729
Building & Site Improvements/Vehicles	645	172	95	-	30	942
SUB-TOTAL	2,285	1,759	1,713	1,572	1,463	8,792
<b>UNFORESEEN CAPITAL PROJECT FUNDS</b>						
Unforeseen Capital Projects	100	100	100	100	100	500
SUB-TOTAL	100	100	100	100	100	500
<b>TOTAL</b>	<b>3,175</b>	<b>3,255</b>	<b>3,050</b>	<b>3,000</b>	<b>6,599</b>	<b>19,079</b>

**Table 3**  
**Funding Source Requirements**  
**Connection Fees**

(in thousands \$)

FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>CAPITAL IMPROVEMENT FUNDS</b>						
Supply/Distribution Improvements	100	-	-	-	-	100
Treatment Improvements	-	-	-	-	-	0
<b>TOTAL</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>

**Table 4A**  
**Schedule of User Fees**  
**Supply / Distribution Improvements**  
**Capital Improvement Funds**

(in thousands \$)

CAPITAL IMPROVEMENT FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>						
AMI Technology	-	1,092	1,125	1,160	-	3,377
New Well Construction	-	-	-	-	4,600	4,600
Derr St. Water Main Looping	152	-	-	-	-	152
Locust/Elk Grove Blvd. Water Main Looping	77	-	-	-	-	77
Railroad Corridor Water Line	-	-	-	-	175	175
Cadura Circle Water Main Looping	-	-	-	-	70	70
Elk Grove Shopping Center Water Main Looping	-	75	-	-	-	75
<b>TOTAL</b>	<b>229</b>	<b>1,167</b>	<b>1,125</b>	<b>1,160</b>	<b>4,845</b>	<b>8,526</b>



Table 4B  
 Schedule of User Fees  
 Treatment Improvements  
 Capital Improvement Funds (in thousands \$)

CAPITAL IMPROVEMENT FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>TREATMENT IMPROVEMENTS</b>						
Chlorine Analyzers Shallow Wells	20	-	-	-	-	20
TOTAL	20	0	0	0	0	20

Table 4C  
 Schedule of User Fees  
 Building & Site Improvements/Vehicles  
 Capital Improvement Funds (in thousands \$)

CAPITAL IMPROVEMENT FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>BUILDING &amp; SITE IMPROVEMENTS</b>						
Backhoe Loader	210	-	-	-	-	210
Trench Plate Purchase	130	-	-	-	-	130
Truck Mounted Compressor	35	-	-	-	-	35
Truck Replacements	66	229	112	168	191	766
TOTAL	441	229	112	168	191	1,141

Table 4D  
 Schedule of User Fees  
 Supply / Distribution Improvements  
 Capital Repair/Replacement Funds

(in thousands \$)

CAPITAL REPAIR/REPLACEMENT	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>						
Well Rehabilitation Program	84	-	-	-	-	84
School St./Locust Water Main	394	-	-	-	-	394
Locust/Summit Alley Water Main	505	-	-	-	-	505
Locust St./Elk Grove Blvd Alley Water Main	356	-	-	-	-	356
2nd Ave./Mazatlan Way Water Main	-	-	-	514	-	514
Grove St. Water Main	-	503	-	-	-	503
Elk Grove Florin Frontage Road Water Main	-	-	787	-	-	787
Plaza Park Dr. Water Main	-	-	-	-	931	931
Bond Rd. Water Main Relocation	126	-	-	-	-	126
Sierra St. Water main	-	-	-	438	-	438
Lark St. Water Main	-	417	-	-	-	417
Mazatlan Way Water Main	-	-	-	-	386	386
Webb St. Water Main	-	457	-	-	-	457
Grove St./Elk Grove Blvd Water Main	-	-	-	504	-	504
Halverson Dr. Water Main	-	-	719	-	-	719
<b>TOTAL</b>	<b>1,465</b>	<b>1,377</b>	<b>1,506</b>	<b>1,456</b>	<b>1,317</b>	<b>7,121</b>

Table 4E  
 Schedule of User Fees  
 Treatment Improvements  
 Capital Repair/Replacement Funds (in thousands \$)

CAPITAL REPAIR/REPLACEMENT	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>TREATMENT IMPROVEMENTS</b>						
Storage Tank Coating Repairs	25	-	-	29	-	54
Storage Tank Interior Repairs	-	35	-	-	-	35
Media Replacement - RRWTP Filter Vessels	-	-	112	-	116	228
Media Replacement - HVWTP Filter Vessels	-	109	-	-	-	109
PLC - RRWTP Main & Filter Panel	-	66	-	-	-	66
Dosing Pumps & ChlorTec System Installation	150	-	-	-	-	150
Well 11D VFD Replacement	-	-	-	87	-	87
<b>TOTAL</b>	<b>175</b>	<b>210</b>	<b>112</b>	<b>116</b>	<b>116</b>	<b>729</b>

Table 4F  
 Schedule of User Fees  
 Building & Site Improvements/Vehicles  
 Capital Repair/Replacement Funds (in thousands \$)

CAPITAL REPAIR/REPLACEMENT	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>BUILDING &amp; SITE IMPROVEMENTS</b>						
Network Switch Replacements	-	22	-	-	-	22
Computer Replacements	-	-	35	-	-	35
Admin. Bldg. Drainage Improvements	95	-	-	-	-	95
Vactor Trailer Replacement	-	150	-	-	-	150
Plotter for Tech. Services	10	-	-	-	-	10
Admin. Storage Bld. Improvemnets	20	-	-	-	-	20
AC Roller Replacement	-	-	35	-	-	35
ERP System	520	-	-	-	-	520
Pavement Repair & Seal Coat - RRWTP	-	-	25	-	-	25
Pavement Repair & Seal Coat - Admin.	-	-	-	-	30	30
<b>TOTAL</b>	<b>645</b>	<b>172</b>	<b>95</b>	<b>0</b>	<b>30</b>	<b>942</b>

Table 4G  
 Schedule of User Fees  
 Unforeseen Capital Projects  
 Unforeseen Capital Projects Funds

(in thousands \$)

UNFORESEEN CAPITAL PROJECTS	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
Unforeseen Capital Projects	100	100	100	100	100	500
TOTAL	100	100	100	100	100	500

Table 5A  
 Schedule of Connection Fees  
 Supply / Distribution Improvements

(in thousands \$)

CAPITAL IMPROVEMENT FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>						
Transmission Main Brinkman Ct. (Cost Share)	100	-	-	-	-	100
TOTAL	100	0	0	0	0	100

Table 5B  
 Schedule of Connection Fees  
 Treatment Improvements

(in thousands \$)

CAPITAL IMPROVEMENT FUND	FY22/23	FY23/24	FY24/25	FY 25/26	FY 26/27	Total
<b>TREATMENT IMPROVEMENTS</b>						
None	-	-	-	-		0
TOTAL	0	0	0	0		0

<b>Project</b>	<b>AMI Metering Technology</b>
<b>Funding Type</b>	Capital Improvement Funds/Grant Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet – Pg. 106)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

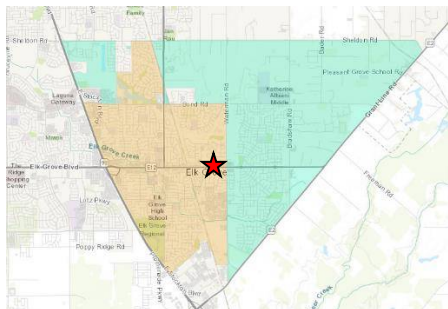
This project purchases and installs Sensus Smartpoint™ water meter modules for all service point connection in both Service Area 1 and Service Area 2. Smartpoint™ modules are a Sensus product that leverages Advanced Metering Infrastructure (AMI). AMI is a technology that allows water usage information to be collected remotely through radio or cellular signals and sent to a central location where both the customer and the utility agency have access to each real-time account’s usage information. This project would be carried out in phases over three (3) years.

**JUSTIFICATION**

As California experiences more frequent and significant droughts, water conservation regulation is going to play a more significant role in California’s water management strategy. AMI is able to provide real-time continuous water usage data to District staff and customers. Having access to better water usage data will allow customers and district staff to more quickly detect leaks, have more accurate usage information, and help inform customers and staff on better ways to conserve. Currently, 6 full working days out of the 18 working days in every month are consumed by manual meter reading. During those 6 days the entire distribution crew is occupied with meter reading. AMI technology would free up 1/3<sup>rd</sup> of every month for the distribution crew to perform maintenance and more effectively respond to emergencies. In addition, the US Bureau of Reclamation is offering a 50/50 match grant to fund “water and energy efficient” infrastructure projects. A grant application will be submitted by District staff in July of 2024. If the grant is awarded purchase of equipment and installation of equipment would begin the following year.

**PROJECT LOCATION**

The project affects all service connections in the District’s boundary.



★ Project Location

**SCHEDULE & STATUS**

This project is scheduled to be ongoing through FY 24/25, FY 25/26, and FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
AMI Metering Technology	0	1,000	1,000	1,000	0	3,000
with inflation (5%, 4%, 3%, 3%)	0	1,092	1,125	1,160	0	3,377

*Expenditure breakdown: \$30,000 design, \$3,357,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds/Grant Funds	
▪ Supply / Distribution Improvements	3,377
<b>Total</b>	<b>3,377</b>

**OPERATING COST IMPACTS**

The completion of this project is expected to have no significant increase in operating costs over the long term. Installing this infrastructure will allow district field staff to better focus on maintenance and responding to emergencies while also providing customer service staff with more information to be able to better assist customers as well as providing administration staff better information to plan and run district operations more efficiently.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Well Rehabilitation Program</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet – Pg. 108)
<b>Project No.</b>	503



**PROJECT DESCRIPTION**

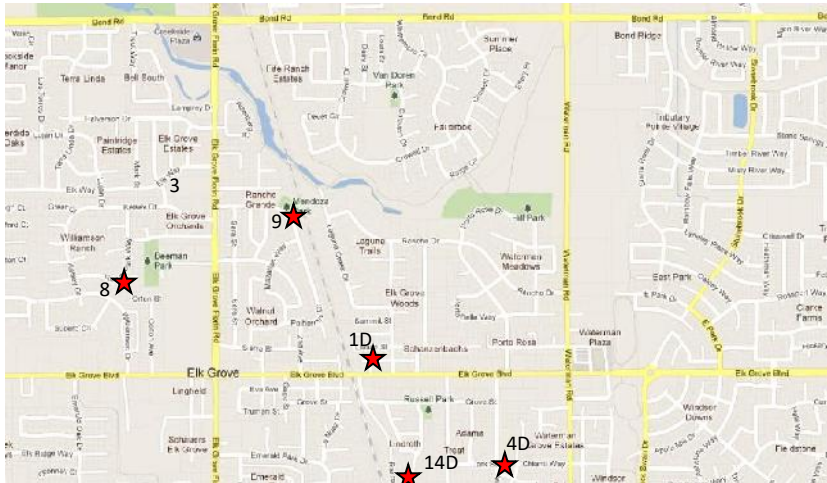
The well rehabilitation program provides for well rehabilitation projects on cyclic or as-needed basis. All district wells are assessed on a yearly basis to ensure the most impacted well gets rehabilitated in the given rehab year.

**JUSTIFICATION**

The well rehabilitation program maintains production and water quality from the District’s wells. By putting the well rehabilitation program in place, the District spreads the capital costs associated with maintaining its well assets. Maintaining production and water quality from the District’s wells are critical to meeting the required source capacity as prescribed by the Division of Drinking Water regulations.

**PROJECT LOCATION**

The project locations, some of which are shown below, are the wells within the District’s boundary.



★ Project Location

## SCHEDULE & STATUS

These projects are scheduled for FY 23/24.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Well Rehabilitation Program	84	0	0	0	0	84
with inflation (5%)	84	0	0	0	0	84

*Expenditure breakdown: \$4,000 design, \$80,000 construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	84
<b>Total</b>	<b>84</b>

## OPERATING COST IMPACTS

The completion of this project is expected to decrease operating costs by an estimated \$10,000 per year due to improved efficiency of the wells and savings in electrical consumption.

**USEFUL LIFE:** 5-7 years (for each rehabilitated well)



<b>Project</b>	<b>Derr St. Water Main Looping</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet - Pg. 110)
<b>Project No.</b>	TBD



## PROJECT DESCRIPTION

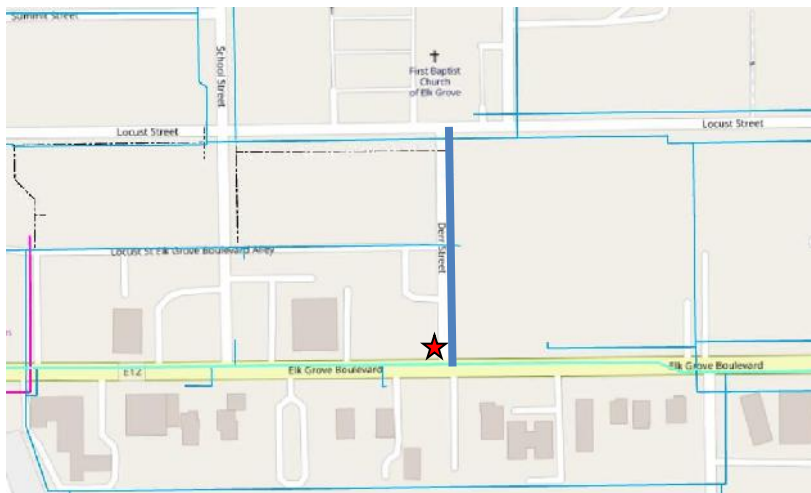
This project installs approximately 370 lineal feet of 8” C900 PVC water main in Derr St. This project will be a continuation of the Locust St.-Elk Grove Blvd. Alley/Derr St. Water Main replacement project, connecting the new water 8” C900 PVC main installed in that project to the existing transmission main in Elk Grove Blvd.

## JUSTIFICATION

Derr St. is only partially served by a 2” and 4” water main installed in 1994 and 1965, respectively. The material of both water mains is asbestos-cement pipe (ACP). This project installs a new 8” PVC water main to better serve Derr St. residents and businesses while also providing for increased water circulation and fire suppression ability in this section of Old Town Elk Grove by connecting to an existing 10” PVC pipe stubbing from the existing transmission main in Elk Grove Blvd. Additionally, EGWD standard construction specifications specify minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

## PROJECT LOCATION

The project is located on Derr Street.



★ Project Location

— Proposed Water Main

— Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Derr St. Water Main Looping	152	0	0	0	0	152
with inflation (5%)	152	0	0	0	0	152

*Expenditure breakdown: \$3,000 design, \$149,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Supply / Distribution Improvements	152
<b>Total</b>	<b>152</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the current Tier 1 rate of \$1.96, it is estimated that the elimination of future leaks will result in an annual savings of \$158.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>School St./Locust Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet - Pg. 112)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

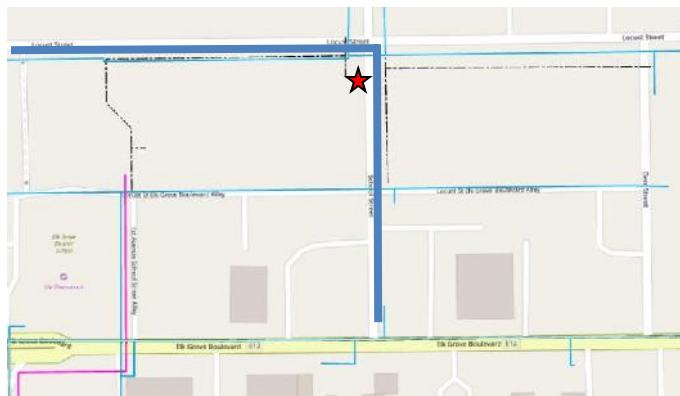
This project installs approximately 815 lineal feet of 8” C900 PVC water main in School and Locust Streets as well as installs new service line connections on School St. north of Locust St.

**JUSTIFICATION**

Locust Street is currently served by a 6” asbestos-cement pipe (ACP) water main installed in 1965. School Street is not currently served by an existing water main south of the intersection of Locust and School St. This project installs a new 8” PVC water main to better serve Locust and School St. residents and businesses while also providing for increased water circulation and fire suppression ability in this section of Old Town Elk Grove by connecting to an existing 12” PVC pipe stubbing from the existing transmission main in Elk Grove Blvd. Additionally, School St. homes and businesses will be served by new 1” services lines from the road, allowing for the removal of old or undersized services in backyards or allies. New service lines will also be installed on School St. north of the intersection with Locust St. and connected to an existing 8” ACP water main. The existing 4” ACP water main serving 5 residents on School St. north of the intersection will be abandoned. Finally, EGWD standard construction specifications specify minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on School and Locust Street.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
School St./Locust Water Main	394	0	0	0	0	394
with inflation (5%)	394	0	0	0	0	394

*Expenditure breakdown: \$10,000 design, \$384,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	394
<b>Total</b>	<b>394</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the current Tier 1 rate of \$1.96, it is estimated that the elimination of future leaks will result in an annual savings of \$349.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Locust St./Elk Grove Blvd. Alley/ Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet - Pg. 114)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

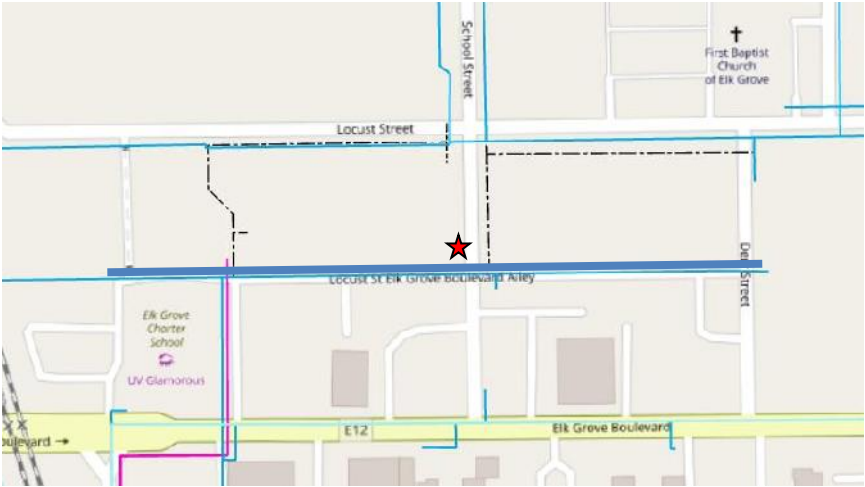
This project installs approximately 870 lineal feet of 8” C900 PVC water main in Locust St.-Elk Grove Blvd Alley. The City of Elk Grove has provided grant money to fund this project with the goal of increasing fire suppression ability and facilitating better water circulation for this area of Old Town Elk Grove.

**JUSTIFICATION**

Locust St.-Elk Grove Blvd Alley and Derr Street are currently served by 4” water mains installed in 1965. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. Also, the lots on Locust St.-Elk Grove Blvd Alley are served by 3/4” service lines. This project installs an 8” water main in Locust St.-Elk Grove Blvd Alley and Derr Street to current EGWD standards and replaces the 3/4” service lines on Locust St. with 1” service lines.

**PROJECT LOCATION**

The project is located on Locust St.-Elk Grove Blvd Alley and Derr Street.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Locust St./Elk Grove Blvd. Alley Water Main	356	0	0	0	0	356
with inflation (5%)	356	0	0	0	0	356

*Expenditure breakdown: \$8,000 design, \$348,500 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	356
<b>Total</b>	<b>356</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the current Tier 1 rate of \$1.96, it is estimated that the elimination of future leaks will result in an annual savings of \$368.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>New Well Construction</b>
<b>Funding Type</b>	Capital Improvement Funds/Grant Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1 (Scoresheet – Pg. 116)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

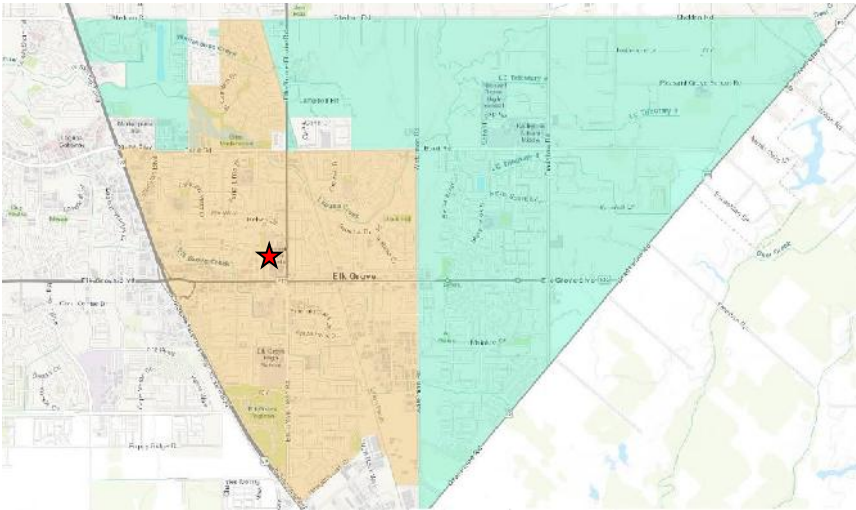
This project designs and constructs a new groundwater well in Service Area 1.

**JUSTIFICATION**

As existing groundwater wells are retired once they have reached the end of their useful life or changes in regulations render the well unusable, a new large-production groundwater well is needed to meet future demands. Following the guidance of a Well Siting Study drafted in 2022 by Wood Rogers, Inc., the consultants provided information to the District on the most viable locations in Service Area 1 that a well could be constructed while meeting all regulatory and District demand parameters. The study found a small handful of sites within Service Area 1 that meet the District’s requirements. Additionally, grant money is available that could help the District design and construct the new well. The District will apply for a 50/50 match grant to assist in design and construction costs.

**PROJECT LOCATION**

This project will be located within the Service Area 1 boundary.



★ Project Location

**SCHEDULE & STATUS**

This project is scheduled for design and construction in FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
New Well Construction	0	0	0	0	3,855	3,855
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	4,600	4,600

*Expenditure breakdown: \$50,000 design, \$4,550,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds/Grant Funds	
▪ Supply / Distribution Improvements	4,600
<b>Total</b>	<b>4,600</b>

**OPERATING COST IMPACTS**

The completion of this project is expected to increase operating costs through additional maintenance and operation costs by adding an additional well to the District’s well inventory. Specific cost increases will be dependent on the chosen well site, design, and State drinking water quality regulations at the time the well is constructed.

**USEFUL LIFE:** 20 years



<b>Project</b>	<b>Locust St./Summit St. Alley/ Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 118)
<b>Project No.</b>	224



**PROJECT DESCRIPTION**

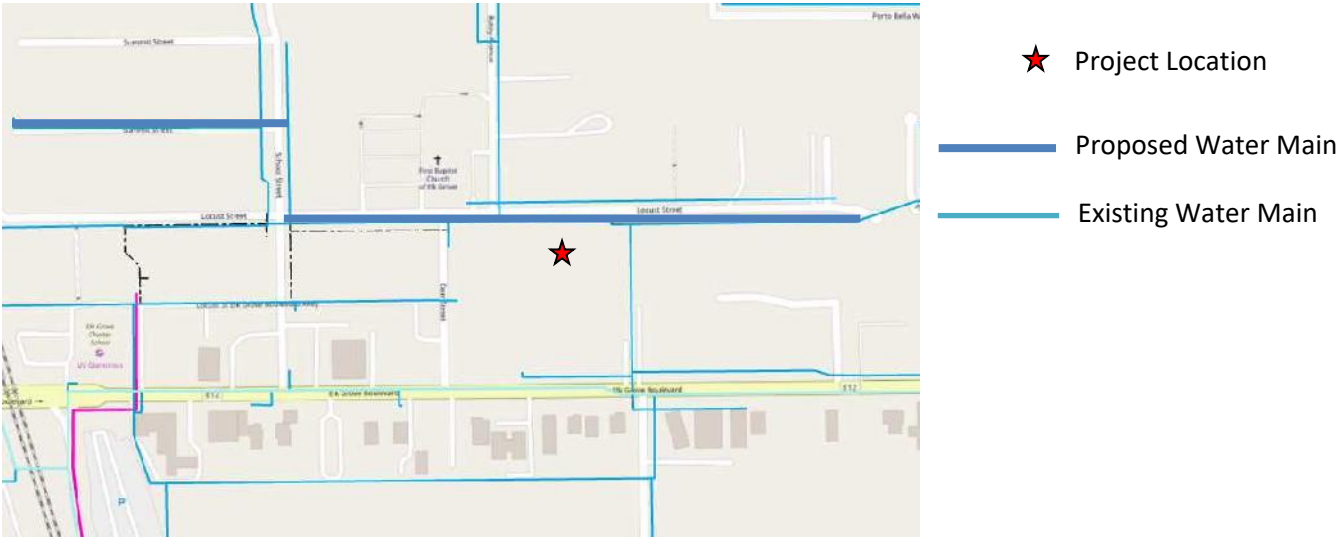
This project installs approximately 1,340 lineal feet of 8” C900 PVC water main in Locust Street, and 450 lineal feet of 8” C900 PVC water main in Summit St. Alley for a total 1,790 lineal feet of 8” C900 PVC water main. The project was started in FY 22/23 and will carry over to FY 23/24. Approximately 1,000 lineal feet will remain to be completed in FY 23/24

**JUSTIFICATION**

Locust Street is currently served by a 4” water main installed in 1965, and Summit St. Alley are currently served by a 4” water main installed in 1977. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. Also, the lots on School Street, Locust Street, and Summit St. Alley are served by 3/4” service lines. This project installs an 8” water main in Locust Street and Summit St. Alley to current EGWD standards and replaces the 3/4” service lines with 1” service lines.

**PROJECT LOCATION**

The project is located on School Street and Summit Alley.



**SCHEDULE & STATUS**

Construction is scheduled to continue in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Locust St./Summit St. Alley/Water Main	505	0	0	0	0	505
with inflation (5%)	505	0	0	0	0	505

*Expenditure breakdown: 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	505
<b>Total</b>	<b>505</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the current Tier 1 rate of \$1.96, it is estimated that the elimination of future leaks will result in an annual savings of \$766.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Elk Grove Shopping Center Water Main Looping</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 120)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

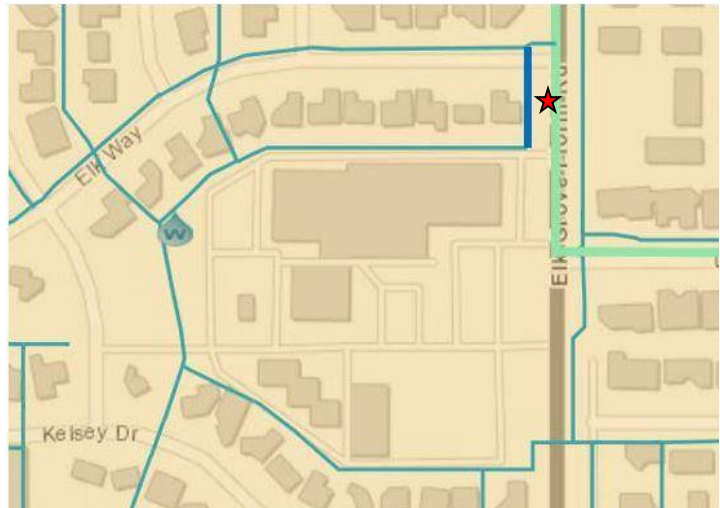
This project installs approximately 175 lineal feet of 8” C900 PVC water main in Elk Grove Florin Blvd to connect the Elk Grove Shopping Center water main to the Elk Way water main.

**JUSTIFICATION**

The abandonment of old backyard water mains as a result of the Backyard Water Mains Replacement project results in the elimination of a looped water main at the Elk Grove Shopping Center. This project provides returns the water main in the shopping center to looped service.

**PROJECT LOCATION**

The project is located on Elk Grove Florin Blvd.



- ★ Project Location
- Proposed Water Main
- Existing Water Main
- Existing Transmission Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Elk Grove Shopping Center Water Main Looping	0	67	0	0	0	67
with inflation (5%, 4%)	0	75	0	0	0	75

*Expenditure breakdown: \$4,000 design, \$71,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	75
<b>Total</b>	<b>75</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Locust St./Elk Grove Blvd. Water Main Looping</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 122)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

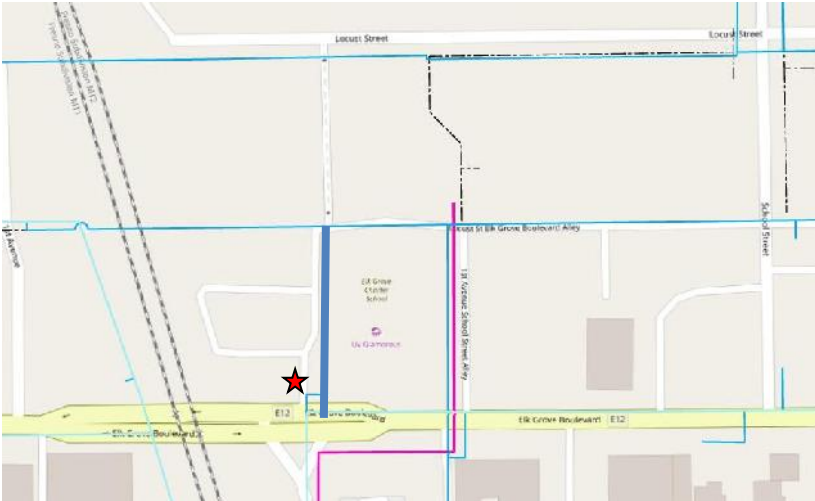
This project installs approximately 175 lineal feet of 8” C900 PVC water main adding an additional point of connection between Elk Grove Blvd. and Locust Street.

**JUSTIFICATION**

Following the replacement of the Elk Grove Blvd. Alley water main, the eastern Old Town area’s direct connection to the transmission main on the western side of the railroad tracks will be abandoned. A new connection to the transmission main in Elk Grove Blvd. will allow looped service and increased fire suppression capabilities. Additionally, connecting to a transmission main on the eastern side of the railroad tracks will mitigate the risk of having to construct or maintain a distribution line that passes under the railroad tracks.

**PROJECT LOCATION**

The project is located on Locust Street and Elk Grove Blvd.



★ Project Location

— Proposed Water Main

— Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Locust St./Elk Grove Blvd. Water Main Looping	77	0	0	0	0	77
with inflation (5%)	77	0	0	0	0	77

*Expenditure breakdown: \$15,000 design, \$62,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Supply / Distribution Improvements	77
<b>Total</b>	<b>77</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>2<sup>nd</sup> Ave./Mazatlan Way Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 124)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project installs approximately 1,140 lineal feet of 8” C900 PVC water main in 2<sup>nd</sup> Avenue starting at the intersection of 2<sup>nd</sup> Avenue and Mazatlan Way.

**JUSTIFICATION**

2<sup>nd</sup> Avenue is currently served by an 8” water main installed in 1965. The material of the water main is asbestos-cement pipe (ACP). When performing maintenance work on this water main in July 2018, crews discovered that the pipe is waterlogged making the outer surface slightly soft, meaning that the pipe’s structural integrity is diminishing. Given that this water main is nearing the end of its useful life (70 years), it should be replaced. Also, EGWD standard construction specifications specify minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on 2<sup>nd</sup> Avenue and Mazatlan Way



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 25/26 and construction is scheduled to occur in FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
2 <sup>nd</sup> Ave./Mazatlan Way Water Main	0	0	0	444	0	444
with inflation (5%, 4%, 3%, 3%)	0	0	0	514	0	514

*Expenditure breakdown: \$10,000 design, \$504,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	514
<b>Total</b>	<b>514</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.36 for FY 26/27, it is estimated that the elimination of future leaks will result in an annual savings of \$586.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Grove St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 126)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

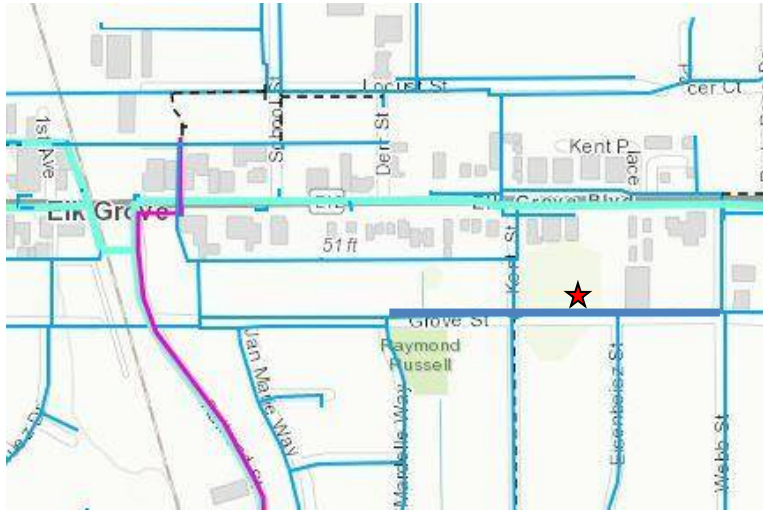
This project installs approximately 1,180 lineal feet of 8” C900 PVC water main in Grove Street.

**JUSTIFICATION**

Grove Street is currently served by a 4” water main installed in 1960. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. Also, the lots on Grove Street are served by 3/4” service lines. This project installs an 8” water main in Grove Street to current EGWD standards and replaces the 3/4” service lines on Grove Street with 1” service lines.

**PROJECT LOCATION**

The project is located on Grove Street.



**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Grove St. Water Main	0	461	0	0	0	461
with inflation (5%, 4%)	0	503	0	0	0	503

*Expenditure breakdown: \$8,000 design, \$495,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	503
<b>Total</b>	<b>503</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.15 for FY 24/25, it is estimated that the elimination of future leaks will result in an annual savings of \$553.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Elk Grove-Florin Frontage Rd. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 128)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

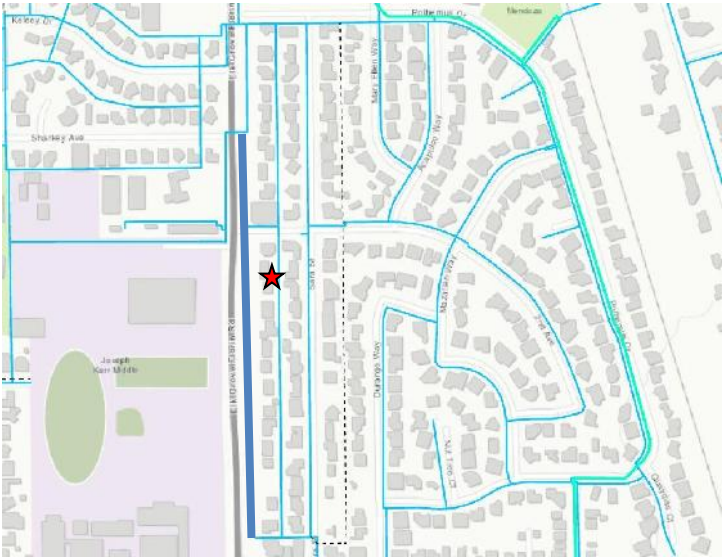
This project replaces and relocates an existing 6” ACP water main that is located in a backyard public utility easement to the right-of-way in Elk Grove-Florin Frontage Rd. This project installs approximately 1,770 lineal feet of 8” C900 PVC water main in Elk Grove-Florin Frontage Rd. while also moving water service connections from the backyards to the front of residences. This project will be carried out with a contracted workforce, not EGWD construction crews.

**JUSTIFICATION**

Elk Grove – Florin Frontage Rd. is currently served by a 6” water main installed between 1965 and 1970. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. In addition to bringing the undersized water main up to current EGWD standards, this project will place the new main on the front side of properties allowing for better access for maintenance or emergencies.

**PROJECT LOCATION**

The project is located on Elk Grove Florin – Frontage Rd.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering was completed FY 21/22 and construction is scheduled to occur in FY 25/26.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Elk Grove-Florin Frontage Rd. Water Main	0	0	700	0	0	700
with inflation (5%, 4%, 3%)	0	0	787	0	0	787

*Expenditure breakdown: \$787,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	787
<b>Total</b>	<b>787</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.25 for FY 25/26, it is estimated that the elimination of future leaks will result in an annual savings of \$868.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Plaza Park Dr. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 130)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project installs approximately 2,000 lineal feet of 8” C900 PVC water main in Plaza Park Drive.

**JUSTIFICATION**

Plaza Park Drive is currently served by a 6” water main installed in 1975. The material of the water main is asbestos-cement pipe (ACP). When performing water service line replacement work on this water main in October 2018, crews discovered that the wall of the ACP is becoming soft from water absorption. Due to the deteriorating condition of the pipe, it is time to replace this water main and bring it up to current EGWD standard construction specifications. EGWD standard construction specifications require a minimum pipe diameter of 8”, and pipe material of either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Plaza Park Drive.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 26/27 and construction is scheduled to occur in FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Plaza Park Dr. Water Main	0	0	0	0	780	780
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	931	931

*Expenditure breakdown: \$10,000 design, \$921,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	931
<b>Total</b>	<b>931</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.47 for FY 27/28, it is estimated that the elimination of future leaks will result in an annual savings of \$1,077.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Lark St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 132)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

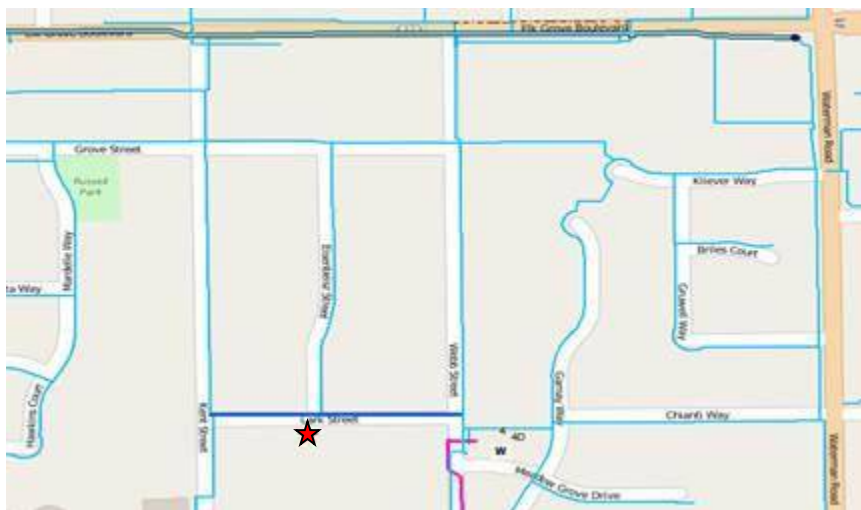
This project installs approximately 730 lineal feet of 8” C900 PVC water main in Lark Street and 250 lineal feet of 8” C900 PVC water main in Eisenbeisz Street.

**JUSTIFICATION**

Lark Street is currently served by a 6” water main installed in 1960 and a portion of Eisenbeisz Street is served by a 4” water main. The material of the Lark St. and Eisenbeisz Street water mains is asbestos-cement pipe (ACP). Repairs on the Lark St. water main in September 2015 revealed that the wall of the ACP is becoming soft from water absorption. Due to the deteriorating condition of the Lark Street pipe and the inadequate size of the Eisenbeisz Street pipe, the water mains will be replaced and brought up to current EGWD standard construction specifications. Six of the eighteen lots on Lark Street are served by 3/4” service lines. This project installs an 8” water main in Lark Street and a portion of Eisenbeisz Street and replaces the six (6) 3/4” service lines with 1” service lines.

**PROJECT LOCATION**

The project is located on Lark Street and Eisenbeisz Street.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 23/24 and construction is scheduled to occur in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Lark St. Water Main	0	382	0	0	0	382
with inflation (5%, 4%)	0	417	0	0	0	417

*Expenditure breakdown: \$8,000 design, \$417,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	417
<b>Total</b>	<b>417</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.15 for FY 24/25, it is estimated that the elimination of future leaks will result in an annual savings of \$342.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Bond Rd. Water Main Relocation Project</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet – Pg. 134)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

District owned water mains at the intersection of Bond Rd. and Elk Grove – Florin Rd. must be relocated to avoid conflict with a City of Elk Grove storm drain improvement project.

**JUSTIFICATION**

The City of Elk Grove is planning to install a new 60-inch storm drain in Bond Rd. through the intersection with Elk Grove – Florin Rd. The City of Elk Grove has the right-of-way when installing storm drain infrastructure where conflicts cannot be avoided and therefore other non-gravity fed (water, gas, communication, ect.) utilities must relocate infrastructure to avoid the conflict.

**PROJECT LOCATION**

The project is located throughout various areas of Service Area 1.



**SCHEDULE & STATUS**

Construction for this project is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Bond Rd. Water Main Relocation Project	126	0	0	0	0	126
with inflation (5%)	126	0	0	0	0	126

*Expenditure breakdown: \$6,000 design, \$120,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	126
<b>Total</b>	<b>126</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 100 years

<b>Project</b>	<b>Mazatlan Way Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 136)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

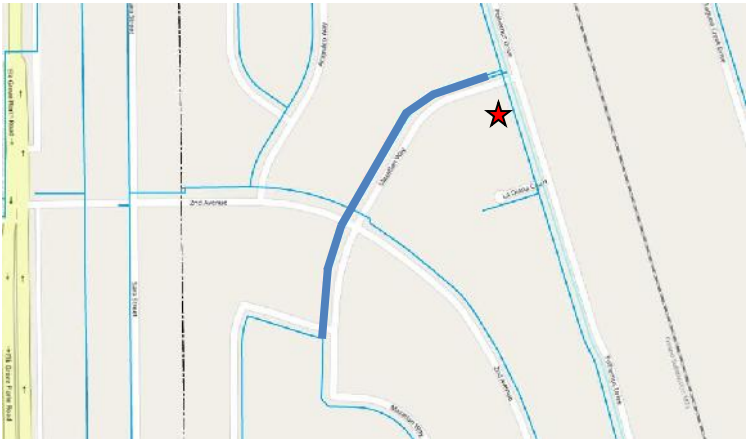
This project installs approximately 830 lineal feet of 8” C900 PVC water main in Mazatlan Way.

**JUSTIFICATION**

This section of Mazatlan Way is currently served by a 6” water main installed in 1975. The material of the water main is asbestos-cement pipe (ACP). When performing maintenance work on this water main in October 2017, crews discovered that the pipe is “waterlogged” making the outer surface slightly soft, meaning that the pipe’s structural integrity is diminishing. To avoid continual maintenance and breakage the pipe should be replaced and brought to current EGWD standards. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Mazatlan Way.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Mazatlan Way Water Main	0	0	0	0	323	323
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	386	386

*Expenditure breakdown: \$8,000 design, \$378,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	386
<b>Total</b>	<b>386</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.47 for FY 26/27, it is estimated that the elimination of future leaks will result in an annual savings of \$447.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Webb St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 138)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

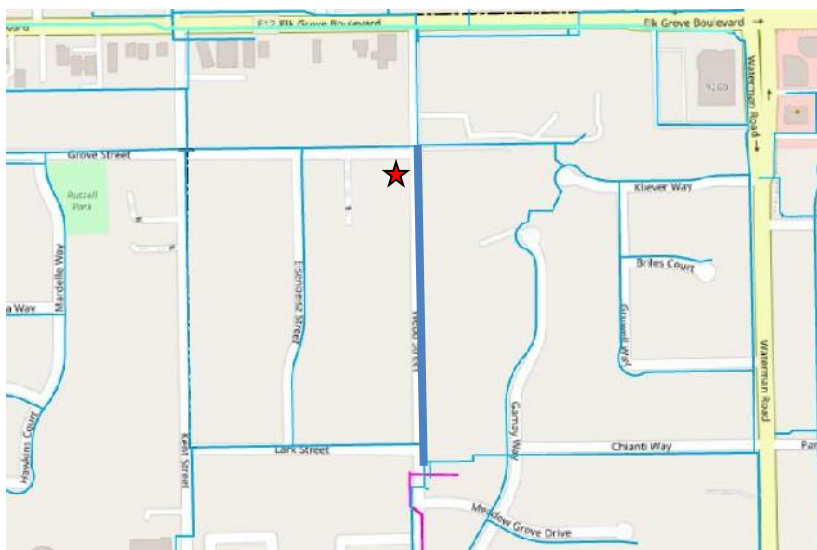
This project installs approximately 1,070 lineal feet of 8” C900 PVC water main in Webb Street.

**JUSTIFICATION**

Webb Street is currently served by a 6” water main installed in 1960. The material of the water main is asbestos-cement pipe (ACP). This pipe is nearing the end of its useful life and should be replaced to be brought to current EGWD standards. EGWD standard construction specifications specify the minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Webb Street.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 23/24 and construction is scheduled to occur in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Webb St. Water Main	0	418	0	0	0	418
with inflation (5%, 4%)	0	457	0	0	0	457

*Expenditure breakdown: \$8,000 design, \$449,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	457
<b>Total</b>	<b>457</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.15 for FY 24/25, it is estimated that the elimination of future leaks will result in an annual savings of \$501.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Sierra St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 140)
<b>Project No.</b>	200



**PROJECT DESCRIPTION**

This project installs approximately 970 lineal feet of 8” C900 PVC water main in Sierra Street.

**JUSTIFICATION**

Sierra Street is currently served by a 6” water main installed in 1965. The material of the water main is asbestos-cement pipe (ACP). EGWD standard construction specifications require a minimum pipe diameter of 8”, and a pipe material of either PVC or ductile iron. Additionally, the pipe is approaching it’s end of useful life and should be replaced along with the other planned water main replacements in the immediate vicinity for pipes of a similar age.

**PROJECT LOCATION**

The project is located on Sierra Street in Service Area 1.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Sierra St. Water Main	0	0	0	378	0	378
with inflation (5%, 4%, 3%, 3%)	0	0	0	438	0	438

*Expenditure breakdown: \$8,000 design, \$430,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	438
<b>Total</b>	<b>438</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.36 for FY 26/27, it is estimated that the elimination of future leaks will result in an annual savings of \$499.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Grove St./Elk Grove Blvd. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4 (Scoresheet - Pg. 142)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project installs approximately 1,115 lineal feet of 8” C900 PVC water main in Elk Grove Blvd.

**JUSTIFICATION**

This section of Grove St. and Elk Grove Blvd. is currently served by a 4” water main installed in 1976. The material of the water main is asbestos-cement pipe (ACP). The existing water main runs through the backyards of the homes and businesses between Grove Street and Elk Grove Blvd making access for maintenance cumbersome. While performing water service maintenance, crews discovered that this water main has inadequate ground cover. The top of the water main is approximately 1-1.5 feet below ground surface. EGWD standard construction specifications specify a minimum of 3 feet of ground cover over all water mains. EGWD standard construction specifications also specify the minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Grove Street and Elk Grove Blvd.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 25/26 and construction is scheduled to occur in FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Grove St./Elk Grove Blvd. Water Main	0	0	0	435	0	435
with inflation (5%, 4%, 3%, 3%)	0	0	0	504	0	504

*Expenditure breakdown: \$10,000 design, \$494,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	504
<b>Total</b>	<b>504</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risk of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.36 for FY 26/27, it is estimated that the elimination of future leaks will result in an annual savings of \$573.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Halverson Dr. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4 (Scoresheet - Pg. 144)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

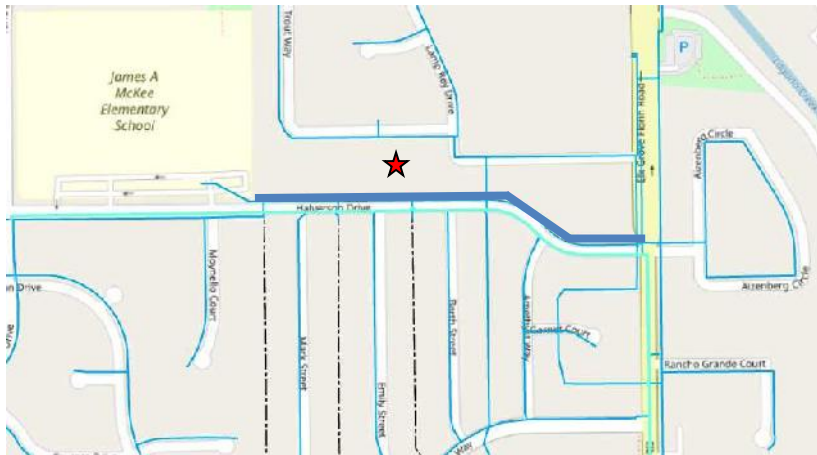
This project installs approximately 1,640 lineal feet of 8” C900 PVC water main in Halverson Drive. This project will be split between FY 24/25 and FY 25/26

**JUSTIFICATION**

Halverson Drive is currently served by a 6” water main installed in 1960. The material of the water main is asbestos-cement pipe (ACP). This pipe is nearing the end of its useful life and should be replaced to be brought to current EGWD standards. EGWD standard construction specifications specify the minimum size of water mains to be 8” diameter and the pipe material to be either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Halverson Dr.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 24/25 and construction is scheduled to occur in FY 25/26.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Halverson Dr. Water Main	0	0	639	0	0	639
with inflation (5%, 4%, 3%)	0	0	719	0	0	719

*Expenditure breakdown: \$10,000 design, \$709,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	719
<b>Total</b>	<b>719</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. Replacing older end-of-life infrastructure also decreases operating costs through reducing staff time required to fix leaks, reducing materials costs required to fix leaks, reducing City Inspection costs, and reducing impacts to traffic and water service. Based on EGWD’s 2022 Water Loss Audit, the distribution system loses water at a rate of 21.8 CCF per 100 lineal feet of water main. At the projected Tier 1 rate of \$2.25 for FY 25/26, it is estimated that the elimination of future leaks will result in an annual savings of \$804.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Railroad Corridor Water Line</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4 (Scoresheet - Pg. 146)
<b>Project No.</b>	210



**PROJECT DESCRIPTION**

This project connects the recently completed Railroad Corridor transmission main to two (2) additional points of connection (POC) of the District’s water distribution system, installing approximately 375 lineal feet of C900 PVC pipe to make the connections. These POCs are located along Falcon Meadow Dr.

**JUSTIFICATION**

This project will improve the delivery of water in the District’s water distribution system in the southwestern portion of Service Area 1.

**PROJECT LOCATION**

The project is located in the corridor along the west side of the Southern Pacific Railroad tracks, in the vicinity of Falcon Meadow Dr.



★ Project Location

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 26/27 and construction is scheduled to occur in FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Railroad Corridor Water Line	0	0	0	0	147	147
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	175	175

*Expenditure breakdown: \$20,000 design, \$155,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Supply / Distribution Improvements	175
<b>Total</b>	<b>175</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Cadura Circle Water Main Looping</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4 (Scoresheet - Pg. 148)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

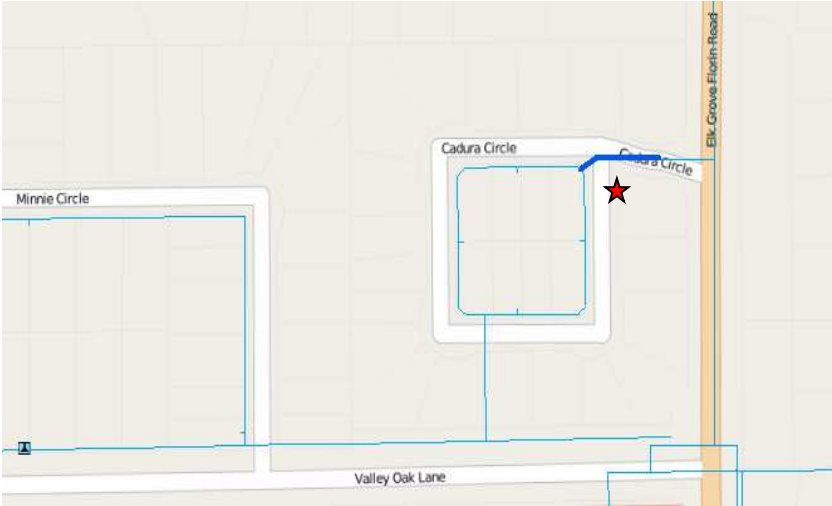
This project installs approximately 150 lineal feet of 8” C900 PVC water main to provide a water main loop so that Cadura Circle is fed by two (2) water mains.

**JUSTIFICATION**

Cadura Circle is presently served by an 8” water main off Valley Oak Lane. An 8” water main stub for future connection already exists off Elk Grove-Florin Road. This project connects the existing 8” water stub off Elk Grove-Florin Road to Cadura Circle to enhance water system performance and water quality.

**PROJECT LOCATION**

The project is located on Cadura Circle.



- ★ Project Location
- Proposed Water Main
- Existing Water Main

**SCHEDULE & STATUS**

Engineering and construction is scheduled to occur in FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Cadura Circle Water Main Looping	0	0	0	0	59	59
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	70	70

*Expenditure breakdown: \$5,000 design, \$65,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	70
<b>Total</b>	<b>70</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Transmission Main Brinkman Ct. (Cost Share)</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4 (Scoresheet - Pg. 150)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

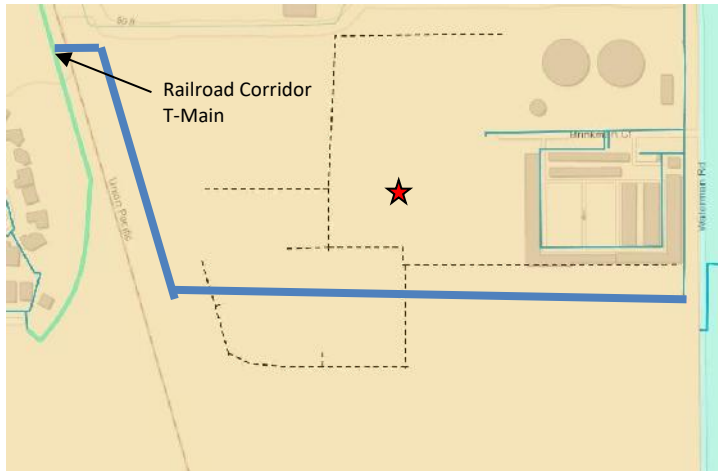
This is a cost-share project where Elk Grove Water District would reimburse developers the incremental cost to upsize approximately 1,980 lineal feet of 12” water main to a 16” transmission main serving planned projects along Brinkman Ct. and Waterman Rd. The transmission main would connect to the Elk Grove Water District’s existing Railroad Corridor Transmission Main.

**JUSTIFICATION**

Two (2) major projects are planned along Brinkman Ct. and Waterman Rd. One project is for a large logistics center planned by Buzz Oates. The other project is for an industrial facility planned by Vulcan Materials. Water modeling has shown that a 12” water main will meet required fire flows. However, in order to support continued development, the Elk Grove Water District wants to upsize the water main to a 16” transmission main.

**PROJECT LOCATION**

The project is located along the Railroad corridor.



- ★ Project Location
- Proposed Transmission Main
- Existing Transmission Main

**SCHEDULE & STATUS**

Based on information from the developer, the District’s cost share exposure is planned for FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Transmission Main Brinkman Ct. (Cost Share)	100	0	0	0	0	75
with inflation (5%)	100	0	0	0	0	82

*Expenditure breakdown: 100% cost share*

**FUNDING SOURCES**

(in thousands \$)

CONNECTION FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	100
<b>Total</b>	<b>100</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Dosing Pumps and ChlorTec System Installation</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	1 (Scoresheet - Pg. 152)
<b>Project No.</b>	TBD



## PROJECT DESCRIPTION

This project installs the ChlorTec system that was purchased in FY 22/23 and replaces the existing hypochlorite dosing pumps at the RRWTP.

## JUSTIFICATION

The ChlorTec unit was purchased and planned for installation in FY 22/23 due to the existing unit reaching the end of its useful life in FY 21/22. But due to long lead times the new unit could not be delivered to the District until late March of 2023. Installation of such a critical piece of the water treatment process should not be installed at the time of the year that demand starts to increase with the warmer weather. It is preferable to do the installation in January – February when water demand is at the lowest point for the year. The dosing controls for the existing hypochlorite dosing pumps are located within the control panel of the ChlorTec unit that is going to be replaced. Additionally, the existing dosing pumps are up for replacement in 2024 after being in operation for 20 years. Therefore, it is necessary to replace the existing dosing pumps with integrated controls at the same time the new ChlorTec unit is being installed. New dosing pumps will have SCADA integration and control capabilities built into them, alleviating the need for a separate control panel with the new ChlorTec unit. The District needs to keep the hypochlorite generation and dosing systems operational to comply with State Drinking Water Regulations.

## PROJECT LOCATION

The address for the RRWTP is 9715 Railroad Street, Elk Grove, California. The assessor’s parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for winter of FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Dosing Pumps and ChlorTec System Installation	150	0	0	0	0	150
with inflation (5%)	150	0	0	0	0	150

*Expenditure breakdown: 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	150
<b>Total</b>	<b>150</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>PLC – RRWTP Main &amp; Filter Panel</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 154)
<b>Project No.</b>	TBD



## PROJECT DESCRIPTION

This project replaces the programmable logic controllers (PLC) in the main panel and filter panel at the Railroad Water Treatment Plant (RRWTP).

## JUSTIFICATION

The PLCs at the RRWTP are critical pieces of equipment that control the automation of the RRWTP. The PLC's at the RRWTP will be over fifteen years old and have met the end of their useful life as dictated by the District's asset management program. The criticality of these devices demands that they are in good working order. This project is justified as dictated by the asset management plan.

## PROJECT LOCATION

The address for the RRWTP is 9175 Railroad Street, Elk Grove, California. The assessor's parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Engineering and construction are scheduled for FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
PLC – RRWTP Main & Filter Panel	0	60	0	0	0	60
with inflation (5%, 4%)	0	66	0	0	0	66

*Expenditure breakdown: design \$10,000, construction \$56,000*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Treatment Improvements	66
<b>Total</b>	<b>66</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>Storage Tank Coating Repairs</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 156)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project performs spot repairs on the interior coating of 2-million-gallon Storage Tank No. 1 at the Railroad Water Treatment Facility (RRWTF).

**JUSTIFICATION**

Every three (3) years, the Elk Grove Water District (EGWD) performs inspections of the interior and exterior coatings of the two (2) large storage tanks at the RRWTF. In 2020, CSI Services dove and inspected Storage Tanks No. 1 and No. 2. The recommendation from those inspections is to perform spot repairs within the next 4 to 6 years on Storage Tank No. 1 to repair the rust that is developing at the center roof vent. The recommendation for Storage Tank No. 2 is to reinspect the tank interior in 3 years with the focus of the inspection being the condition of the surfaces on the underside of the roof.

**PROJECT LOCATION**

The address for the RRWTF is 9175 Railroad Street, Elk Grove, California. The assessor’s parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 23/24 and FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Storage Tank Coating Repairs	25	0	0	25	0	50
with inflation (5%)	25	0	0	29	0	54

*Expenditure breakdown: \$54,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	54
<b>Total</b>	<b>54</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years



<b>Project</b>	<b>Storage Tank Interior Repairs</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	2 (Scoresheet - Pg. 158)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project performs structural repairs on the interior of the 2 – 2 million-gallon storage tanks at the Railroad Water Treatment Facility (RRWTF).

**JUSTIFICATION**

Every three (3) years, the Elk Grove Water District (EGWD) performs inspections of the interior and exterior coatings of the two (2) large storage tanks at the RRWTF. In 2022, CSI Services dove and inspected Storage Tanks No. 1 and No. 2. The preliminary recommendation from those inspections is to perform repairs to some structural members above the water line within the next 3 to 5 years on Storage Tank No. 1.

**PROJECT LOCATION**

The address for the RRWTF is 9175 Railroad Street, Elk Grove, California. The assessor’s parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Storage Tank Interior Repairs	0	32	0	0	0	32
with inflation (5%, 4%)	0	35	0	0	0	35

*Expenditure breakdown: \$5,000 design, \$30,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	35
<b>Total</b>	<b>35</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Media Replacement – HVWTP Filter Vessels</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 160)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project replaces the media in the three (3) vertical filter vessels at the Hampton Village Water Treatment Plant (HVWTP).

**JUSTIFICATION**

Filter media used in the filter vessels at the HVWTP is GreensandPlus. As part of the asset management plan, the District has assigned a useful life of 10 years to GreensandPlus. The media in the filter vessels at HVWTP was installed in year 2015. This project is justified on the basis of the District’s proactive operational practices of preventative maintenance.

**PROJECT LOCATION**

The address for the HVWTP is 10113 Hampton Oak Dr., Elk Grove, California. The assessor’s parcel number is APN 13407100390000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Media Replacement – HVWTP Filter Vessels	0	100	0	0	0	100
with inflation (5%, 4%)	0	109	0	0	0	109

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	109
<b>Total</b>	<b>109</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Media Replacement – RRWTP Filter Vessels</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 162)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project replaces the media in the filter vessels of Filter Train “A” and Filter Train “B” at the Railroad Water Treatment Plant (RRWTP). Each filter train contains two (2) filter vessels, therefore, the total number of filter vessels for media replacement is two (2) per filter train.

**JUSTIFICATION**

Filter media used in the filter vessels at the RRWTP is GreensandPlus. As part of the asset management plan, the District has assigned a useful life of 10 years to GreensandPlus. The media in the filter vessels of Filter Train “A” was installed in 2014 while the media in Filter Train “B” was installed in 2017. This project is justified on the basis of the District’s proactive operational practices of preventative maintenance.

**PROJECT LOCATION**

The address for the RRWTP is 9175 Railroad Street, Elk Grove, California. The assessor’s parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 25/26 and FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Media Replacement – RRWTP Filter Vessels	0	0	100	0	100	200
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	112	0	116	228

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	228
<b>Total</b>	<b>228</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Chlorine Analyzers Shallow Wells</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 164)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

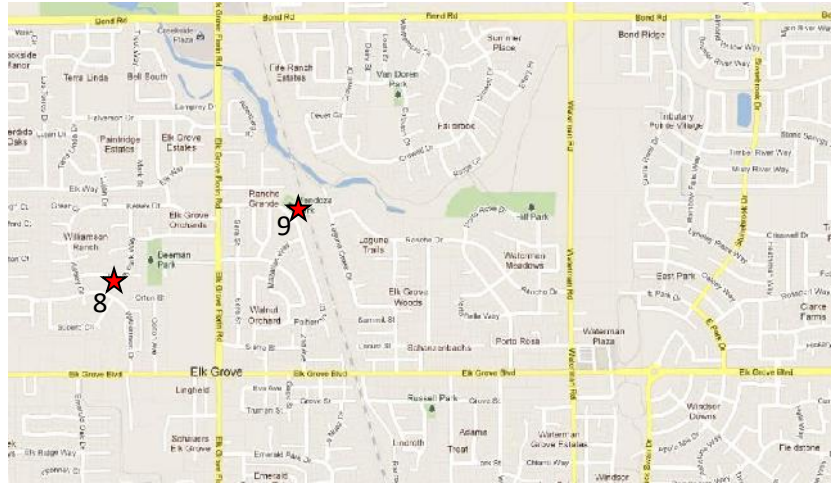
This project installs a chlorine analyzer at each of the two (2) shallow wells and connects the information to the District’s supervisory control and data acquisition (SCADA) system.

**JUSTIFICATION**

The shallow wells consist of Well 8 and Well 9. The shallow wells pump directly into the water distribution system. To disinfect the water, sodium hypochlorite is injected into the water stream at these two (2) well sites. On one occasion, the chlorine injection pump at Well 9 stopped working resulting in raw water being pumped into the distribution system. A chlorine analyzer at Well 9 would have alerted operations staff that chlorine residual had fallen to zero at that well site, and enabled staff to take more immediate corrective action.

**PROJECT LOCATION**

The address for Well 8 is 9457 Ranch Park Wy. and Well 9 is 9035 Polhemus Dr., Elk Grove, California. The assessor’s parcel numbers are APN 12504100610000 and APN 12502010160000, respectively.



★ Project Location

**SCHEDULE & STATUS**

Engineering and construction are scheduled for FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Chlorine Analyzers Shallow Wells	20	0	0	0	0	20
with inflation (5%)	20	0	0	0	0	20

*Expenditure breakdown: 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	20
<b>Total</b>	<b>20</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years



<b>Project</b>	<b>Well 11D VFD Replacement</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	3 (Scoresheet - Pg. 166)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

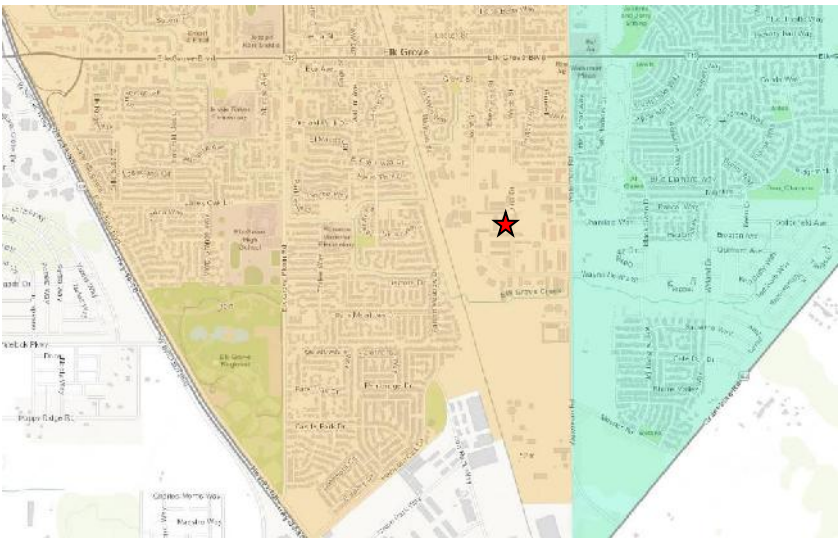
This project replaces an existing variable frequency drive (VFD) at Well 11D.

**JUSTIFICATION**

A VFD regulates the speed of the submersible pump at Well 11D. Having a VFD at Well 11D improves pump efficiency reducing the energy cost per gallon pumped and ensures that a constant flow rate is delivered to the Railroad Water Treatment Facility. The VFD at well 11D is an important component of the SCADA well control system that was installed in 2012, without a functional VFD the well would not be able to be operated remotely through SCADA. Well 11D is one of the main production wells for the District and relied upon heavily to meet the summertime water demands. It is therefore critical to keep the VFD operational and maintained to ensure that Well 11D is operational. The VFD at well 11D will be reaching the end of it’s 15-year useful life in FY 26/27 and should be replaced.

**PROJECT LOCATION**

The project location for Well 11D is assessor’s parcel number 13401000820000.



★ Project Location

**SCHEDULE & STATUS**

Engineering and construction are scheduled for FY 26/27.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Well 11 VFD Replacement	0	0	0	75	0	75
with inflation (5%, 4%, 3%, 3%)	0	0	0	87	0	87

*Expenditure breakdown: 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	87
<b>Total</b>	<b>87</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Trench Plate Purchase</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	1 (Scoresheet - Pg. 168)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

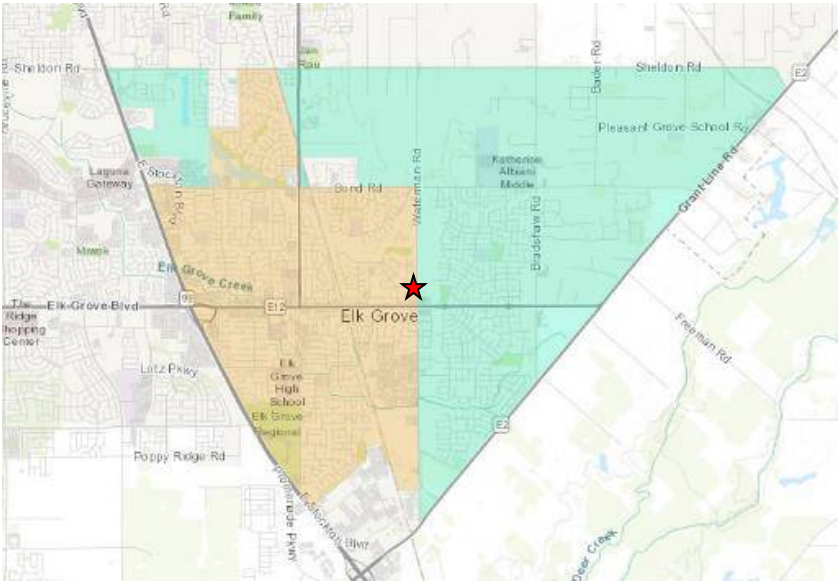
This project purchases forty (40) 6 ft x 10ft steel trench plates.

**JUSTIFICATION**

The District currently rents trench plates at a cost of approximately \$5 per day per plate, this cost is expected to increase in FY 23/24. Trench plates are used to cover the excavated trench before the new water main is installed and the trench is backfilled and paved. The plates allow the public to drive over or otherwise cross the trench before it is backfilled, ensuring there is no obstruction to traffic and the public is kept safely out of the trench. The District Utility Crew uses 40 trench plates for water main replacement CIP projects year-round. This equates to a cost of approximately \$73,000 per year for trench plate rental. Purchasing the trench plates in FY 23/24 is justified on the basis that the trench plates will pay for themselves in by FY 25/26 at most, saving the District at least \$73,000 per year there-after.

**PROJECT LOCATION**

This piece of equipment is used in all areas of the Elk Grove Water District.



★ Project Location

**SCHEDULE & STATUS**

This equipment is scheduled for purchase in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Trench Plate Purchase	130	0	0	0	0	130
with inflation (5%)	130	0	0	0	0	130

*Expenditure breakdown: 100% purchase*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	130
<b>Total</b>	<b>130</b>

**OPERATING COST IMPACTS**

The purchase of this equipment is estimated to decrease annual operating costs by at least \$73,000 by no longer requiring the equipment to be rented by a 3<sup>rd</sup> party vendor.

**USEFUL LIFE:** 25 years

<b>Project</b>	<b>Backhoe Loader</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	2 (Scoresheet - Pg. 170)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

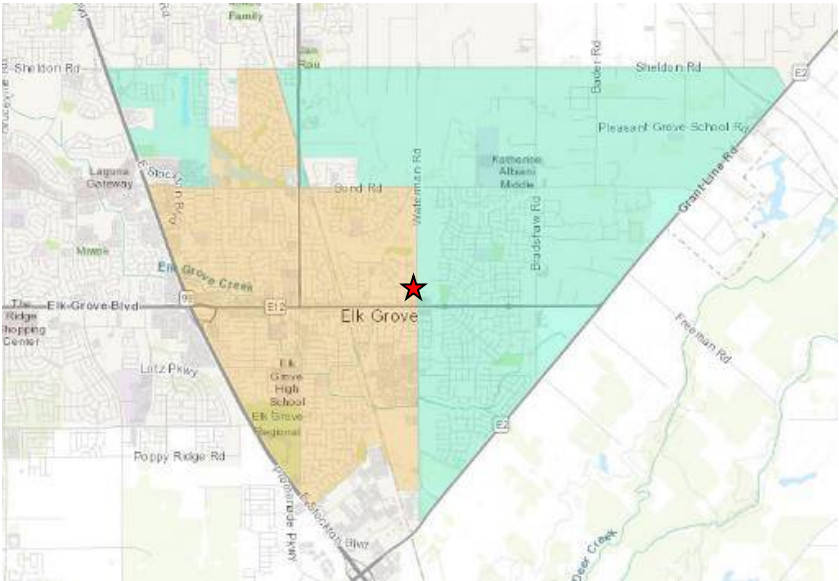
This project purchases an additional backhoe loader so that the District will have two (2) in its fleet.

**JUSTIFICATION**

The District currently has a 2006 Caterpillar model 420E backhoe loader in its fleet. This backhoe is primarily dedicated to the Utility crew for water main replacement projects. As a result, the Distribution crew must borrow the backhoe from the Utility crew when it needs to perform repair and maintenance work. Based on the average of water main and service line leaks for the past four years, the Distribution crew requires the backhoe for 236.25 hours per year to repair leaks. When the Distribution crew has the backhoe, the Utility crew loses production at an estimated 70% rate of time. This lost production time amounts to \$32,385 per year. In addition, for two (2) weeks out of the year, a backhoe must be rented at a cost of \$3,200 so the District’s backhoe may be serviced and/or repaired. Using these costs and a backhoe purchase price of \$210,000, the payback period on the purchase of the backhoe is 5.9 years. This is a reasonable payback period and the purchase of the backhoe is justified on this basis.

**PROJECT LOCATION**

This piece of equipment is used in all areas of the Elk Grove Water District.



★ Project Location

## SCHEDULE & STATUS

This equipment is scheduled for purchase in FY 23/24.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Backhoe Loader	210	0	0	0	0	210
with inflation (5%)	210	0	0	0	0	210

*Expenditure breakdown: 100% purchase*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	210
<b>Total</b>	<b>210</b>

## OPERATING COST IMPACTS

The purchase of this equipment is estimated to increase annual operating costs by \$500 to perform basic maintenance on the additional backhoe.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Network Switch Replacements</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	2 (Scoresheet - Pg. 172)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project purchases and replaces a total of 19 network switches that are currently in use. 7 – 7x24 port and 12 – 12x8 port Cisco CBS350 Series switches are planned to be purchased and installed.

**JUSTIFICATION**

The existing switches were purchased in new condition in 2011. These switches will reach end-of-life in October 2023 after which they will no longer be supported in terms of technical support or software and security firmware updates. Having a reliable series of switches for network traffic is critical to the districts Information Technology operations. Without such a network in place no operations are possible (customer service, customers being able to pay their water bill, human resources, financial services, SCADA – nothing). After October 2023, these switches will be marked as vulnerable for all security audits, and based on the fact that ALL network data flows through these switches, it becomes necessary to replace them, to maintain security compliance with various standards and governing bodies.

**PROJECT LOCATION**

Railroad Water Treatment Plant (9715 Railroad St., Elk Grove, CA. 95624; APN 13400500810000) and District Admin. Building (9829 Waterman Rd., Elk Grove, CA. 95624; APN 13401101230000)



★ Project Location

**SCHEDULE & STATUS**

Nineteen (19) network switches are planned for purchase and installation in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Network Switch Replacements	0	20	0	0	0	20
with inflation (5%, 4%)	0	22	0	0	0	22

*Expenditure breakdown: 100% Purchase Cost*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	22
<b>Total</b>	<b>22</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 12 - 15 years.



<b>Project</b>	<b>Truck Mounted Compressor</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 174)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

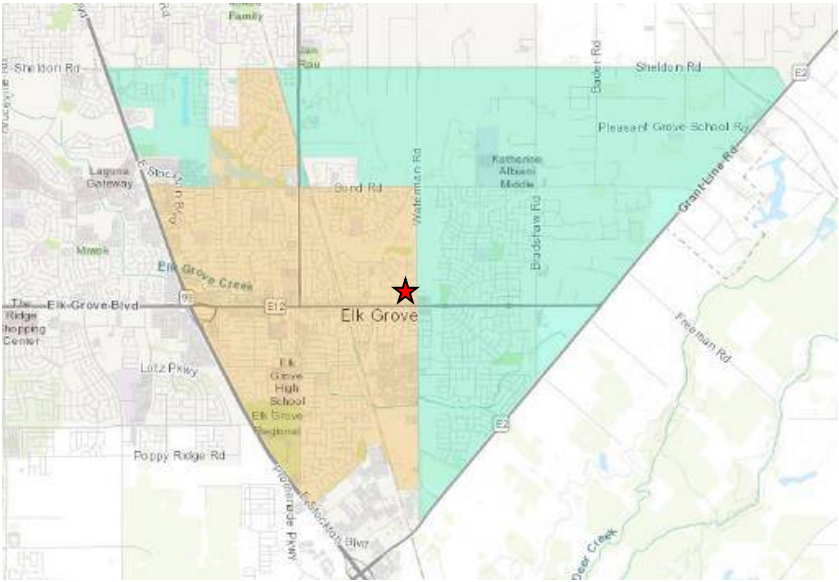
This project purchases and installs a truck mounted air compressor on Truck 419 (2017 Ford F-450).

**JUSTIFICATION**

The District’s distribution crew requires an air compressor to be able to run pneumatic tools. The Distribution crew requires the use of a 90 psi jackhammer on a daily basis to be able to remove asphalt and/or concrete in order to maintain water mains and service lines. Currently, the only compressor that is capable of running a 90 psi jackhammer is attached to a truck that is assigned to the utility department, and must be borrowed from the utility department when needed. The distribution crew needs an equivalent truck mounted compressor to be able to effectively and efficiently do the work the District requires of the distribution crew.

**PROJECT LOCATION**

This piece of equipment is used in all areas of the Elk Grove Water District.



★ Project Location

## SCHEDULE & STATUS

This equipment is scheduled for purchase in FY 23/24.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Truck Mounted Compressor	35	0	0	0	0	35
with inflation (5%)	35	0	0	0	0	35

*Expenditure breakdown: 100% purchase and installation*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	35
<b>Total</b>	<b>35</b>

## OPERATING COST IMPACTS

The purchase of this equipment is estimated to increase annual operating costs by \$250 to perform basic maintenance on the additional compressor.

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>Truck Replacements</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 176)
<b>Project No.</b>	401



**PROJECT DESCRIPTION**

This project replaces aging work vehicles with new vehicles.

**JUSTIFICATION**

Because distances traveled by work trucks are relatively short within the EGWD boundary, the replacement of vehicles in the EGWD truck fleet is primarily predicated on wear and age, and not mileage. EGWD typically keeps trucks for 10 to 12 years. The following are trucks planned for replacement over the next five years.

FY 23/24  
Truck 418 – 2017 Ford F250 (35,000 Miles) Totaled in accident.....Replace w/Ford F350 (diesel) - \$66K

FY 24/25  
Truck 410 – 2009 Ford F550 (32,792 Miles).....Replace w/Ford F550 w/crane and boxes - \$210K

FY 25/26  
Truck 403 – 2007 Chevy Tahoe (52,368 Miles).....Replace w/SUV - \$45K  
Truck 411 – 2009 Ford F250 Truck (87,886 Miles).....Replace w/Ford F350 (gas) - \$55K

FY 26/27  
Truck 404 – 2008 Ford Escape, Blue (39,961 Miles).....Replace w/SUV - \$35K  
Truck 409 – 2009 Ford F650 Dump Truck (38,298 Miles).....Replace w/Ford F650 Dump Truck- \$110K

FY 27/28  
Truck 412 – 2011 Ford F150 (31,482 Miles).....Replace w/Ford F150 - \$50K  
Truck 405 – 2007 Ford F550 Dump Truck (30,484 Miles).....Replace w/Ford F650 Dump Truck - \$110K

**PROJECT LOCATION**

These work vehicles cover all areas of the Elk Grove Water District.

**SCHEDULE & STATUS**

Refer to the Justification section above for vehicle replacement schedule.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Truck Replacements	66	210	100	145	160	681
with inflation (5%, 4%, 3%, 3%, 3%)	66	229	112	168	191	767

*Expenditure breakdown: no design, 100% purchase***FUNDING SOURCES**

(in thousands \$)

## USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	767
<b>Total</b>	<b>767</b>

**OPERATING COST IMPACTS**

It is anticipated that the purchase of the replacement trucks will decrease maintenance costs by \$2,500 per year by lowering the incidence of repairs needed to keep older trucks operational.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Administration Bldg. Drainage Improvements</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet – Pg. 178)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project constructs drainage improvements to the Elk Grove Water District’s new administration parking lot to alleviate storm water drainage issues.

**JUSTIFICATION**

The District’s new administration building has a parking lot that was not improved during the building improvements. After moving in, staff found that the drainage in the back corner of the parking lot is not sufficient and causes severe ponding. As little as 0.25 inches of rain can create a pond in the corner of the parking lot that makes 5-6 parking spaces unusable. District staff has already worked with a consultant to have improvement plans created that detail the asphalt, concrete and grading improvements that would be needed to convey the ponded stormwater away from the parking lot.

**PROJECT LOCATION**

The address for the Administration Building is 9829 Waterman Road, Elk Grove, California. The assessor’s parcel number is APN 13401101230000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled to be completed in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Administration Bldg. Drainage Improvements	95	0	0	0	0	95
with inflation (5%)	95	0	0	0	0	95

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	95
<b>Total</b>	<b>95</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>Computer Replacements</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 180)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project purchases and installs 30 computers for District staff.

**JUSTIFICATION**

District staff currently have computers that run on the Microsoft Windows 10 operating system. Windows 11 was released in 2021 and is currently Microsoft’s flagship operating system that will be supported for the foreseeable future. The Windows 10 operating system will be un-supported by Microsoft starting in October 2025, meaning that it will not be receiving updates by Microsoft that will keep the system security and operational feature current. Therefore, a migration to the Windows 11 operating system is needed before October of 2025 to ensure the District’s computer systems are protected by using the most current and supported operating system by Microsoft. However, Windows 11 requires features native to newer hardware components that the current computers do not have. It is therefore necessary to upgrade computer hardware at the same time the District migrates to the Windows 11 operating system.

**PROJECT LOCATION**

Railroad Water Treatment Plant (9715 Railroad St., Elk Grove, CA. 95624; APN 13400500810000.) and District Admin. Building (9829 Waterman Rd., Elk Grove, CA. 95624; APN 13401101230000)



★ Project Location

**SCHEDULE & STATUS**

Thirty (30) computers are planned for purchase and installation in FY 25/26.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Computer Replacements	0	0	31	0	0	31
with inflation (5%, 4%, 3%)	0	0	35	0	0	35

*Expenditure breakdown: 100% Purchase and Installation Cost*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	35
<b>Total</b>	<b>35</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years



<b>Project</b>	<b>Vector Trailer Replacement</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 182)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

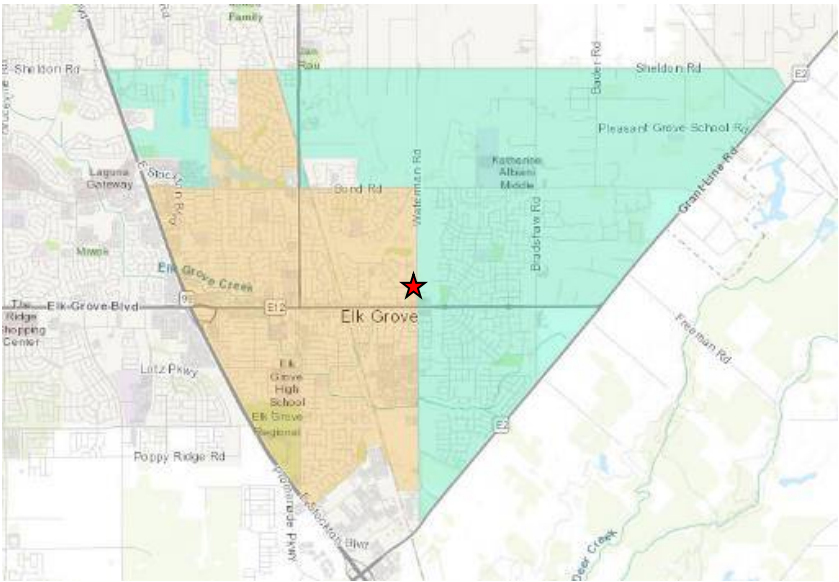
This project purchases a replacement vacuum excavator (vector) for the utility crew.

**JUSTIFICATION**

The District’s utility crew uses a Vermeer V500 vacuum excavator that was purchased in 2007 in new condition and is a heavily used piece of equipment that is required for almost every job district field staff do where excavation is required. This equipment has a 15-year useful life and was therefore up for replacement in 2022. The utility crew has kept up with the required maintenance to keep it in operation up to and beyond it’s useful life, but expensive and time consuming repair is becoming more frequent and more impactful to district operations. Replacing this piece of equipment is necessary to keep the utility operating efficiently.

**PROJECT LOCATION**

This piece of equipment is used in all areas of the Elk Grove Water District.



★ Project Location

**SCHEDULE & STATUS**

This equipment is scheduled for purchase in FY 24/25.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Vactor Trailer Replacement	0	137	0	0	0	137
with inflation (5%, 4%)	0	150	0	0	0	150

*Expenditure breakdown: 100% purchase*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	150
<b>Total</b>	<b>150</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>ERP System</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 184)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project upgrades the District to a new Enterprise Resource Planning (ERP) system, replacing an existing system which utilizes “best of breed” software solutions for each department but do not integrate and interface. This project includes the cost of implementation and the first-year subscription.

**JUSTIFICATION**

The District uses a host of separate systems and software packages to do financial reporting, utility billing and customer service, payroll, human resources management and enterprise asset management. Although each software package functions as the “best of breed” for the respective department utilizing the software, these software do not integrate and interface with each other, requiring extensive manual effort to get data from one system to another. Often times, because these systems do not integrate or interface, it requires the use of manual paper processes to complete tasks and/or transfer information. Upgrading to a new ERP would bring all the functions previously described onto an individual software platform that can provide the functionality to integrate and interface all the functions seamlessly, allowing the District to operate more efficiently.

**PROJECT LOCATION**

The address for the Administration Building is 9829 Waterman Rd, Elk Grove, California. The assessor’s parcel number is APN 13401101230000.



★ Project Location

## SCHEDULE & STATUS

This equipment is scheduled for purchase and installation in FY 23/24.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
ERP System	520	0	0	0	0	520
with inflation (5%)	520	0	0	0	0	520

*Expenditure breakdown: 100% purchase and installation*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	520
<b>Total</b>	<b>520</b>

## OPERATING COST IMPACTS

The completion of this project is expected to decrease operating costs as the project will consolidate all functions onto a single software platform, reducing future software subscription costs as well as future hardware costs for all the different software solutions currently being utilized.

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>Pavement Repair &amp; Seal Coat - RRWTP</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3 (Scoresheet - Pg. 186)
<b>Project No.</b>	TBD



### PROJECT DESCRIPTION

This project makes repairs to the asphalt pavement of the Railroad Water Treatment Plant (RRWTP) by filling in cracks with an elastomer product and applying a seal coat to the entire pavement area.

### JUSTIFICATION

The asphalt pavement in the RRWTP yard receives high traffic and heavy use. The pavement is in good condition; however, preventative maintenance is necessary to keep it in good condition. Regular maintenance at an interval of every three (3) years is justified on this basis.

### PROJECT LOCATION

The address for RRWTP is 9715 Railroad Street, Elk Grove, California. The assessor’s parcel number is APN 13400500810000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 25/26.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Pavement Repair & Seal Coat – RRWTP	0	0	23	0	0	23
with inflation (3%)	0	0	25	0	0	25

*Expenditure breakdown: no design, \$25,000 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	25
<b>Total</b>	<b>25</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs.

**USEFUL LIFE:** 3 years

<b>Project</b>	<b>Plotter for Tech. Services</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	4 (Scoresheet - Pg. 188)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project purchases and replaces the HP Plotter used to print plans for the Technical Services Department.

**JUSTIFICATION**

The existing HP plotter has been in operation at the District for at least 12 years. The plotter is having more technical issues lately and has been down for extended periods of time. Since the software is no longer supported by HP it is difficult to troubleshoot solutions. The Technical Services department routinely uses the plotter to print plan sets for the Utility Department and when assisting developers. If the plotter is not functioning there is no way for staff to print large plan sets (24"x36" or larger) in-house.

**PROJECT LOCATION**

District Admin. Building (9829 Waterman Rd., Elk Grove, CA. 95624; APN 13401101230000)



★ Project Location

**SCHEDULE & STATUS**

A new plotter is planned for purchase in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Plotter for Tech. Services	10	0	0	0	0	10
with inflation (5%)	10	0	0	0	0	10

*Expenditure breakdown: 100% Purchase Cost*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	10
<b>Total</b>	<b>10</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs. If the plotter has a scanner that can scan large plan sets (24"x36" or larger) the District will not have to hire out scanning services to digitize large plan sets. Otherwise, the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 10 years.



<b>Project</b>	<b>Pavement Repair &amp; Seal Coat – Admin. Bldg.</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	4 (Scoresheet - Pg. 190)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project makes repairs to the asphalt pavement of Administration Building Parking Lot by filling in cracks with an elastomer product and applying a seal coat to the entire pavement area.

**JUSTIFICATION**

The asphalt pavement in the Administration Building parking lot receives moderate traffic and use. The pavement is in good condition; however, preventative maintenance is necessary to keep it in good condition. Regular maintenance at an interval of every five (5) years is justified on this basis.

**PROJECT LOCATION**

The address for the Administration Building is 9829 Waterman Rd, Elk Grove, California. The assessor’s parcel number is APN 13401101230000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 27/28.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Pavement Repair & Seal Coat – Admin. Bldg	0	0	0	0	25	25
with inflation (5%, 4%, 3%, 3%, 3%)	0	0	0	0	30	30

*Expenditure breakdown: no design, \$30,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	30
<b>Total</b>	<b>30</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs.

**USEFUL LIFE:** 5 years

<b>Project</b>	<b>Administration Storage Bldg. Improvements</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	4 (Scoresheet – Pg. 192)
<b>Project No.</b>	TBD



### PROJECT DESCRIPTION

This project repairs the roof of the storage building behind the Elk Grove Water District’s administration building staff parking lot.

### JUSTIFICATION

The District’s new administration building came with an additional out-building/storage shed in the back on the property outside of the staff parking lot. The building is in bad repair and has not been upkeep, there are holes in the roof, mold/mildew inside, and severe water damage inside. The District would like to utilize this building as an on-site storage building and stop renting storage space at a commercial facility. In order to safely use it as a storage building weather proofing and repairs must be made. The cost of repairs will pay for itself in roughly 2-years by reducing the amount of rented storage space.

### PROJECT LOCATION

The address for the Administration Building is 9829 Waterman Road, Elk Grove, California. The assessor’s parcel number is APN 13401101230000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled to be completed in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Administration Storage Bldg. Improvements	20	0	0	0	0	20
with inflation (5%)	20	0	0	0	0	20

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	20
<b>Total</b>	<b>20</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs as the project will allow the District to reduce the number of storage units that are currently rented at a rate of approximately \$1,000 per month.

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>AC Roller Replacement</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	4 (Scoresheet - Pg. 194)
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

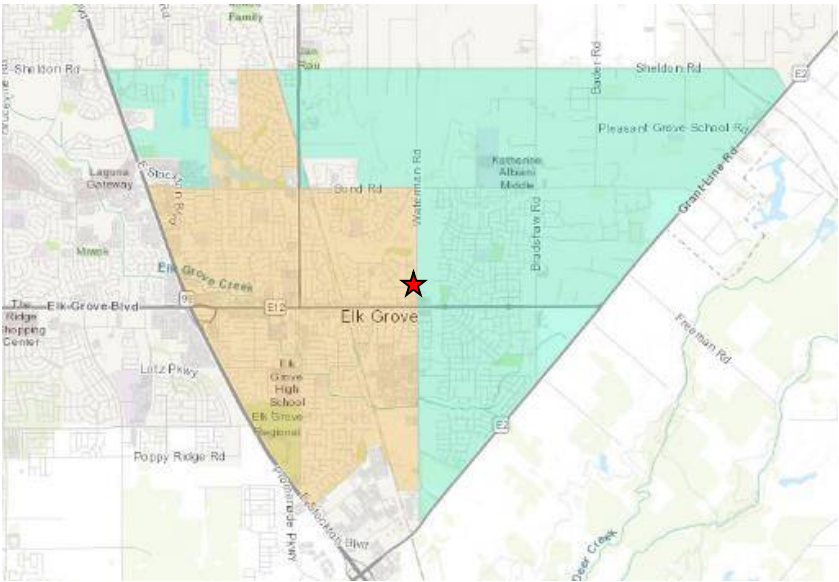
This project purchases a replacement asphalt concrete (AC) roller for the utility crew.

**JUSTIFICATION**

The District’s utility crew uses a 35” AC roller that was purchased in 2006 to compact temporary hot-mix asphalt over the trench following a water main replacements. The existing AC roller is reaching the end of useful life in FY 26/27 and should be replaced. The AC roller has been heavily used by the utility crew since it was purchased and requires routine maintenance to keep operational. If the existing AC roller fails the District would be forced to rent a replacement at approximately \$700/week for two weeks every month. The rental cost would be approximately \$16,800 per year. Using this rental estimate, a new AC roller would pay for itself in just over 2 years.

**PROJECT LOCATION**

This piece of equipment is used in all areas of the Elk Grove Water District.



★ Project Location

**SCHEDULE & STATUS**

This equipment is scheduled for purchase in FY 25/26.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
AC Roller Replacement	0	0	31	0	0	31
with inflation (5%, 4%, 3%)	0	0	35	0	0	35

*Expenditure breakdown: 100% purchase*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	35
<b>Total</b>	<b>35</b>

**OPERATING COST IMPACTS**

The completion of this project is not anticipated to increase or decrease operating costs as the project does not significantly alter the existing facilities or modes of operation.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Unforeseen Capital Projects</b>
<b>Funding Type</b>	Unforeseen Capital Projects Funds
<b>Program</b>	Unforeseen Capital Projects
<b>Priority</b>	N/A
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

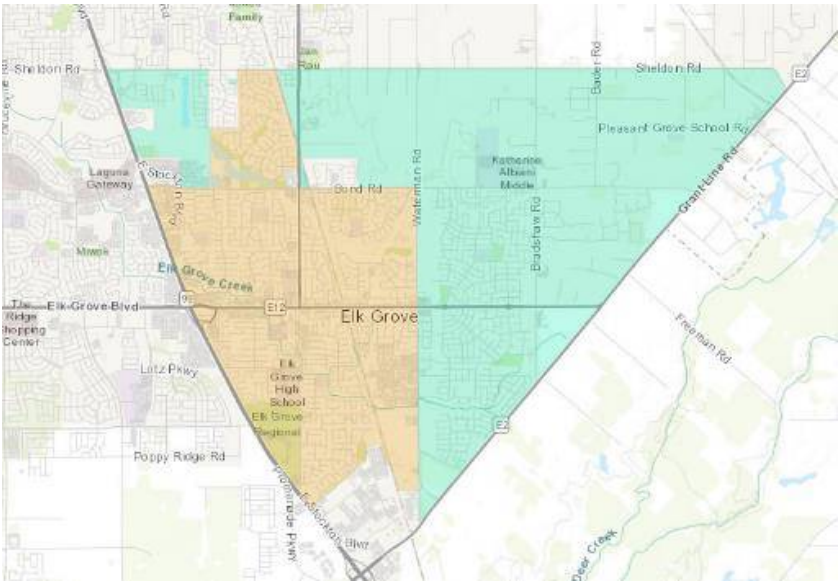
This project provides reserve funds for unforeseen future capital projects.

**JUSTIFICATION**

The purpose of the capital improvement program is to plan and fund capital projects in advance of the projects’ needed design and construction date. The unforeseen capital projects program provides the Elk Grove Water District with a safety net for funding future capital projects that are not included in the CIP planning process. In some cases, these unforeseen capital projects may be the result of emergencies that have occurred in the district.

**PROJECT LOCATION**

Project locations are unknown at this time and therefore not shown.



## SCHEDULE & STATUS

Engineering, design, and construction associated with the unforeseen capital projects program are unknown.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28	
Unforeseen Capital Projects	100	100	100	100	100	500
no inflation used	100	100	100	100	100	500

*Expenditure breakdown: \$50,000 design, \$450,000 construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Unforeseen Capital Projects Funds	
▪ Unforeseen Capital Projects	500
<b>Total</b>	<b>500</b>

## OPERATING COST IMPACTS

It is not known if the completion of projects associated with the unforeseen capital projects program will increase or decrease operating costs.

**USEFUL LIFE:** Unknown



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## APPENDIX A – PROJECT LIST BY PRIORITY

Priority	PROJECT NAME	Priority Score
1	AMI Metering Technology <i>pg. 10 *</i>	92
1	Well Rehabilitation Program <i>pg. 12</i>	91
1	Derr St. Water Main Looping <i>pg. 14</i>	91
1	School St./Locust Water Main <i>pg.16</i>	91
1	Locust St./Elk Grove Blvd. Alley/Water Main <i>pg. 18 **</i>	90
1	New Well Construction <i>pg.20 ***</i>	88
2	Locust St./Summit St. Alley/ Water Main <i>pg. 22 ****</i>	84
2	Elk Grove Shopping Center Water Main Looping <i>pg.24</i>	82
2	Locust St./Elk Grove Blvd. Water Main Looping <i>pg. 26</i>	82
2	2nd Ave./Mazatlan Way Water Main <i>pg. 28</i>	79
3	Grove St. Water Main <i>pg. 30</i>	74
3	Elk Grove Florin-Frontage Rd. Water Main <i>pg. 32</i>	74
3	Plaza Park Dr. Water Main <i>pg. 34</i>	74
3	Lark St. Water Main <i>pg. 36</i>	73
3	Bond Rd. Water Main Relocation Project <i>pg..38</i>	68
3	Mazatlan Way Water Main <i>pg. 40</i>	68
3	Webb St. Water Main <i>pg. 42</i>	68
3	Sierra St. Water Main <i>pg. 44</i>	68
4	Grove St./Elk Grove Blvd. Water Main <i>pg. 46</i>	57
4	Halverson Dr. Water Main <i>pg. 48</i>	57
4	Railroad Corridor Water Line <i>pg. 50</i>	55
4	Cadura Circle Water Main Looping <i>pg. 52</i>	54
4	Transmission Main Brinkman Ct. (Cost Share) <i>pg. 54</i>	50
1	Dosing Pumps & ChlorTec System Installation <i>pg. 56</i>	94
2	PLC - RRWTP Main & Filter Panel <i>pg. 58</i>	82
2	Storage Tank Coating Repairs <i>pg. 60</i>	75
2	Storage Tank Interior Repairs <i>pg. 62</i>	75
3	Media Replacement - HVWTP Filter Vessels <i>pg. 64</i>	71
3	Media Replacement - RRWTP Filter Vessels <i>pg. 66</i>	71
3	Chlorine Analyzers Shallow Wells <i>pg. 68</i>	70
3	Well 11D VFD Replacement <i>pg. 70</i>	62
1	Trench Plate Purchase <i>pg. 72</i>	86
2	Backhoe Loader <i>pg. 74</i>	75
2	Network Switch Replacements <i>pg. 76</i>	75
3	Truck Mounted Compressor <i>pg. 78</i>	74
3	Truck Replacements <i>pg. 80 ****</i>	71
3	Administration Bldg. Drainage Improvements <i>pg. 82</i>	68
3	Computer Replacements <i>pg. 84</i>	67
3	Vactor Trailer Replacement <i>pg. 86</i>	66
3	ERP System <i>pg. 88</i>	68
3	Pavement Repair & Seal Coat - RRWTP <i>pg. 90</i>	61
4	Plotter for Tech. Services <i>pg. 92</i>	52
4	Pavement Repair & Seal Coat - Admin. <i>pg. 94</i>	42
4	Admin. Storage Bldg. Improvements <i>pg. 96</i>	41
4	AC Roller Replacement <i>pg. 98</i>	36

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▪ **FY 2024-28 WATER SUPPLY / TREATMENT IMPROVEMENT PROJECTS**

- AMI Metering Technology
- Well Rehabilitation Program
- Derr St. Water Main Looping
- School St. /Locust Water Main
- Locust St./Elk Grove Blvd. Alley/ Water Main
- New Well Construction
- Locust St. /Summit St. Alley/Water Main
- Elk Grove Shopping Center Water Main Looping
- Locust St./Elk Grove Blvd. Water Main Looping
- 2<sup>nd</sup> Ave./ Mazatlan Way Water Main
- Grove St. Water Main
- Elk Grove Florin-Frontage Rd. Water Main
- Plaza Park Dr. Water Main
- Lark St. Water Main
- Bond Rd. Water Main Relocation Project
- Mazatlan Way Water Main
- Webb St. Water Main
- Sierra St. Water Main
- Grove St./Elk Grove Blvd. Water Main
- Halverson Dr. Water Main
- Railroad Corridor Water Line
- Cadura Circle Water Main Looping
- Transmission Main Brinkman Ct. (Cost Share)
- Dosing Pumps & ChlorTec System Installation
- PLC – RRWTP Main & Filter Panel
- Storage Tank Coating Repairs
- Storage Tank Interior Repairs
- Media Replacement – HWWTP Filter Vessels
- Media Replacement – RRWTP Filter Vessels
- Chlorine Analyzers Shallow Wells
- Well 11D VFD Replacement

▪ **FY 2024-28 BUILDING & SITE IMPROVEMENT/VEHICLES PROJECTS**

- Trench Plate Purchase
- Backhoe Loader
- Network Switch Replacements
- Truck Mounted Compressor
- Truck Replacements
- Administration Bldg. Drainage Improvements
- Computer Replacements
- Vactor Trailer Replacement
- ERP System
- Pavement Repair & Seal Coat – RRWTP
- Plotter for Tech. Services
- Pavement Repair & Seal Coat – Admin
- Admin. Storage Bldg. Improvements
- AC Roller Replacement

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 92**  
**RAW SCORE = 74**

### AMI Metering Technology

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">65.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>H</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">3.75</span></p> <p><input type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input checked="" type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">2.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input checked="" type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

## AMI Metering Technology

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

### Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

#### Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *AMS alleviates manual meter reading*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

#### Criterion B: Improving Existing Assets

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance]

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers ← *Affects Service Area 1 & 2*

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers *ffff*

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

#### Criterion C: Project Urgency

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. ←

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 91**

**RAW SCORE = 73**

### Well Rehabilitation Program

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">68.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Well Rehabilitation Program**

PRIORITY SCORE =  
RAW SCORE = 100

	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> &lt;-- Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																							
<p><b>WATER SUPPLY OBJECTIVE</b> (75% of Raw Score)</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">High</th> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;">                     H+ 65                 </div> </td> <td style="text-align: center;">                     H- 42                 </td> <td style="text-align: center;">                     M+ 30                 </td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Med.</th> <td style="text-align: center;">                     H- 42                 </td> <td style="text-align: center;">                     M+ 30                 </td> <td style="text-align: center;">                     M- 17                 </td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Low</th> <td style="text-align: center;">                     M+ 30                 </td> <td style="text-align: center;">                     M- 17                 </td> <td style="text-align: center;">                     L 5.5                 </td> </tr> </tbody> </table> <p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> - Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. <i>Well rehabs important to maintain production and water quality compliant w/c DPH req.</i>  <u>Medium</u> - Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup.  <u>Low</u> - Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of Impact occurring:</b>  <u>High</u> - Likely to almost certain 65% - 100% <i>Prod. &amp; water quality will decline w/o rehabs.</i>  <u>Medium</u> - Possible 35% - 65%  <u>Low</u> - Unlikely or rare 0% - 35%</p> <p><input checked="" type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>			Probability					High	Med.	Low	Impact	High	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     H+ 65                 </div>	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
			Probability																					
			High	Med.	Low																			
	Impact	High	<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     H+ 65                 </div>	H- 42	M+ 30																			
Med.		H- 42	M+ 30	M- 17																				
Low		M+ 30	M- 17	L 5.5																				
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> - Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> - Provides benefits for 10,000 to 30,000 customers. <i>Affects Service Area 1 customers.</i>  <u>Low (L)</u> - Provides benefits for less than 10,000 customers.</p> <p><input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																								
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> - Project is needed to meet current demands or regulations within the next three (3) years. <i>→</i>  <u>Short-Term Need (S)</u> - Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <u>Long-Term Need (L)</u> - Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																								



## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 91**

Derr St. Water Main Looping

**RAW SCORE = 73**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">68.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Derr St. Water Main Looping**

PRIORITY SCORE =  
RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">H+</span> 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

4" Mains undersized for fire protection's close to end of useful life



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

← Service Area 1



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **91**

School/Locust Water Main

RAW SCORE = **73**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">68.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **School/Locust St. Water Main**

PRIORITY SCORE =  
RAW SCORE =

	<b>Water Supply (E 2)</b>	Impact =	Probability =																							
<b>WATER SUPPLY OBJECTIVE</b> (75% of Raw Score)  <i>This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</i>	Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure																									
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	<table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th colspan="2"></th> <th colspan="3">Probability</th> </tr> <tr> <th colspan="2"></th> <th>High</th> <th>Med.</th> <th>Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th>High</th> <td style="text-align: left;">                     H+ 55                 </td> <td style="text-align: left;">                     H- 42                 </td> <td style="text-align: left;">                     M+ 30                 </td> </tr> <tr> <th>Med.</th> <td style="text-align: left;">                     H- 42                 </td> <td style="text-align: left;">                     M+ 30                 </td> <td style="text-align: left;">                     M- 17                 </td> </tr> <tr> <th>Low</th> <td style="text-align: left;">                     M+ 30                 </td> <td style="text-align: left;">                     M- 17                 </td> <td style="text-align: left;">                     L 5.5                 </td> </tr> </tbody> </table>					Probability					High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
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<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.																										
<b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".																										
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<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.																										
<b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".																										
<b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.																										
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<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.																										

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 90**

Locust St.-Elk Grove Blvd. Alley Water Main

**RAW SCORE = 72**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">58.50</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input checked="" type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

Project Name Here **Locust St.-Elk Grove Blvd. Alley Water M**

PRIORITY SCORE =

RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score, thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *4" ACP main undersized for fire protection and nearing end of useful life.*

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers

Low (L) – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **88**

Well Rehabilitation Program

RAW SCORE = **71**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">60.00</span></p> <p>A <input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input checked="" type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">2.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input checked="" type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

## New Well Construction

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

### Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

#### Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">H+</span> 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. *Handwritten: New well needed to meet demand as old wells are retired.*

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100% ←

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

#### Criterion B: Improving Existing Assets

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers. ← Affects Service Area 1

Low (L) – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

#### Criterion C: Project Urgency

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.



## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **84**

Locust/Summit Alley Water Main

RAW SCORE = **67**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">58.50</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Locust St./Summet Alley Water Mains**

PRIORITY SCORE =  
RAW SCORE =

	<p><b>Water Supply (E 2)</b> Impact = ; Probability =</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>	<p>← Totals for</p>																
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">WATER SUPPLY OBJECTIVE (75% of Raw Score)</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p>																	
	<p><b>Probability</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>High</th> <th>Med.</th> <th>Low</th> </tr> </thead> <tbody> <tr> <th>High</th> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <th>Med.</th> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <th>Low</th> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table>		High	Med.	Low	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5	<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <b>High</b> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  <b>Medium</b> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup <i>4" Mains are undersized for fire protection</i>  <b>Low</b> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <b>High</b> – Likely to almost certain 65% – 100% ←  <b>Medium</b> – Possible 35% – 65%  <b>Low</b> – Unlikely or rare 0% – 35%</p>
		High	Med.	Low														
	High	H+ 55	H- 42	M+ 30														
	Med.	H- 42	M+ 30	M- 17														
Low	M+ 30	M- 17	L 5.5															
<p><input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>																		
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <b>High (H)</b> – Provides benefits for more than 30,000 customers.  <b>Medium (M)</b> – Provides benefits for 10,000 to 30,000 customers. ← <i>Service Area 1</i>  <b>Low (L)</b> – Provides benefits for less than 10,000 customers.</p>																		
<p><input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																		
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <b>Immediate Need (I)</b> – Project is needed to meet current demands or regulations within the next three (3) years. ←  <b>Short-Term Need (S)</b> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <b>Long-Term Need (L)</b> – Project is needed to meet demands beyond the next five (5) years.</p>																		
<p><input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																		

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 82**  
**RAW SCORE = 65**

Elk Grove Shopping Center Water Main Looping

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		58.50
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4) - Check all that apply</b>			
<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features		
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Elk Grove Shopping Center Water Main Looping

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	<b>H-</b> 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. *Project must be completed*

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup. *in order to abandon aging water main w/in Backup and to provide looped service*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65% *←*

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Affects Service Area 1*

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. *←*

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **82**

Locust St./Elk Grove Blvd. Water Main Looping

RAW SCORE = **65**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">58.50</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Project Name Here **Locust St./Elk Grove Blvd. Water Main**

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. *Looping needed for fire protection redundancy in this area*

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Service Area 1*

**Low (L)** – Provides benefits for less than 10,000 customers.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. *←*

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 79**  
**RAW SCORE = 63**

2nd Ave./Mazatlan Way Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		58.50
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features		
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

Project Name Here **2nd Ave./Mazatlan Way Water Main**

PRIORITY SCORE =  
RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

*8" ACP Main is water logged & nearing the end of useful life*

**A-** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

*← Service Area I*

**M** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

**I** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.



## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **74**

Grove St. Water Main

RAW SCORE = **59**

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right; border: 1px solid black; padding: 2px;">50.25</span> A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b> <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span> <input checked="" type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4) - Check all that apply</b> <input checked="" type="checkbox"/> With the Community <input type="checkbox"/> With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2) - Check all that apply</b> <input checked="" type="checkbox"/> Promotes water use efficiency <input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b> <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies - Check One</b> <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Grove St. Water Main**

Impact = ; Probability = 75.00 <-- Totals from

**Water Supply (E 2)**  
Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**  
**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  
**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *4" mains are undersized for fire protection*  
**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**  
**High** – Likely to almost certain 65% – 100% ←  
**Medium** – Possible 35% – 65%  
**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**  
Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**  
**High (H)** – Provides benefits for more than 30,000 customers.  
**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1*  
**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**  
Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**  
**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.  
**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←  
**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 74**  
**RAW SCORE = 59**

Elk Grove-Florin Frontage Rd. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right;">50.25</span></p> <p>A <input type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Project Name Here **Elk Grove-Florin Frontage Rd. Water Main**

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *6" Main is undersized & Located in backyard on private property, difficult to access for leaks and maintenance.*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

*New main to be installed in right-of-way mitigating access issues.*

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

*Affects Service Area 1*

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 74**  
**RAW SCORE = 59**

Plaza Park Dr. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">50.25</span></p> <p>A <input type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Plaza Park Dr. Water Main**

**PRIORITY SCORE =**  
**RAW SCORE = 100**

**Water Supply (E 2)**

Impact = ; Probability = 7 500 <-- Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1*

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 73**  
**RAW SCORE = 58**

Lark St. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		50.25
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input checked="" type="checkbox"/> Promotes water use efficiency		<input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here **Lark St. Water Main**

Impact = ; Probability = 75.00 <-- Totals from

**Water Supply (E 2)**  
Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	<span style="border: 2px solid red; border-radius: 50%; padding: 2px;">H- 42</span>	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100% ←

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1*

Low (L) – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

*pipe wall.*



## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **68**

Bond Rd. Water Main Relocation Project

RAW SCORE = **55**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">49.50</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Bond Rd. Water Main Relocation Project

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

*City of Elk Grove Storm Drain installation project requires water main relocation*



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event, improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers

Low (L) – Provides benefits for less than 10,000 customers.

*Affects Service Area 1*



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 68**  
**RAW SCORE = 55**

Mazatlan Way Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		50.25
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features		
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

**WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

Project Name Here **Mazatlan Way Water Main**

PRIORITY SCORE =  
RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

*6" Main is water logged and poses a threat to water quality if failure occurs*

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

*Service Area 1*

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 68**

Webb St. Water Main

**RAW SCORE = 55**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">50.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Webb St. Water Main**

PRIORITY SCORE =

RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *6" Main near end of useful life*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% *←*

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Service Area I*

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. *←*

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 68**  
**RAW SCORE = 55**

Sierra St. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		50.25
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/>	With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Sierra St. Water Main

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

*6" ACP main is near the end of its useful life. Ex. service lines must be upgraded to poly 1" lines*



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

*Affects Service Area 1*



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.



**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 57**  
**RAW SCORE = 46**

Grove St./Elk Grove Blvd. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		41.25
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4) - Check all that apply</b>			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features		
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Grove St./Elk Grove Blvd. Water Main**

PRIORITY SCORE =  
RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

*4" Main is shallow, undersized, and hard to access for maintenance*



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

*Service Area 1*



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 57**  
**RAW SCORE = 46**

Halverson Dr. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		41.25
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4) - Check all that apply</b>			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features		
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Halverson Dr. Water Main**

PRIORITY SCORE =  
RAW SCORE =

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below.

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	<b>M+ 30</b>	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup. *6" Main nearing end of useful life*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65% ←

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← *Service Area 1*

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 55**  
**RAW SCORE = 44**

Railroad Corridor Water Line

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = H</span>		32.63
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
	C	<input checked="" type="checkbox"/> <b>L</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>	
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		7.50
	<input checked="" type="checkbox"/> Promotes Emergency Recovery		
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		3.75
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
	<input type="checkbox"/> Promotes water use efficiency	<input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
	<input type="checkbox"/> Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here **Railroad Corridor Water Line**

Impact = ; Probability = 75.00 <-- Totals from

**Water Supply (E 2)**

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

*Installs a major T-junction between RRWTF & Hampton allowing much greater redundancy in FCWD dist sys.*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65% ←

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *Impacts Service Area Primarily*

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years. ←

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Cadura Circle Water Main Looping

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		34.50
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
<b>Positive Interaction (E 4) - Check all that apply</b>			
<input checked="" type="checkbox"/> With the Community		<input checked="" type="checkbox"/> With other agencies	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		3.75
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/> Promotes water use efficiency		<input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/> Promotes groundwater basin management			
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
<input type="checkbox"/> 26% to 50% of project costs available from other agencies			
<input type="checkbox"/> Up to 25% of project costs available from other agencies			

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here **Cadura Circle Water Main**

**PRIORITY SCORE =**  
**RAW SCORE = 100**

**Water Supply (E 2)**

Impact = ; Probability = 75.00 <-- Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.



**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 50**  
**RAW SCORE = 40**

Transmission Main Brinkman Ct. (Cost Share)

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">33.00</span>	
	A	<input checked="" type="checkbox"/> <b>M-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>
	B	<input checked="" type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>
C	<input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>	
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span>	
	<input type="checkbox"/> Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Positive Interaction (E 4)</b> - Check all that apply	
	<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">1.88</span>	
<input checked="" type="checkbox"/> Promotes drinking water quality		
<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/> Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span>	
	<input type="checkbox"/> Annual cost savings of more than \$50,000	
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/> Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One	
	<input type="checkbox"/> Over 50% of project costs available from other agencies	
<input type="checkbox"/> 26% to 50% of project costs available from other agencies		
<input type="checkbox"/> Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here *Transmission Main Brinkman Ct. (Cost Share)*

PRIORITY SCORE =  
RAW SCORE = 100

	<b>Water Supply (E 2)</b>	Impact =	Probability =	75.00	<-- Totals from				
<p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>									
<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p>									
<p><b>Probability</b></p> <table style="margin: auto;"> <tr> <td></td> <td style="text-align: center;">High</td> <td style="text-align: center;">Med.</td> <td style="text-align: center;">Low</td> </tr> </table>							High	Med.	Low
	High	Med.	Low						
Impact	High	<table border="1" style="width: 100px; height: 100px;"> <tr> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> </table>	H+ 55	H- 42	M+ 30	<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <b>High</b> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.</p> <p><b>Medium</b> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but <u>will be operating at a higher level of risk</u>, potentially relying on manual operation or an existing backup</p> <p><b>Low</b> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p>			
	H+ 55	H- 42	M+ 30						
	Med.	<table border="1" style="width: 100px; height: 100px;"> <tr> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> </table>	H- 42	M+ 30	M- 17	<p><b>Probability of impact occurring:</b>  <b>High</b> – Likely to almost certain 65% – 100%</p> <p><b>Medium</b> – Possible 35% – 65%</p> <p><b>Low</b> – Unlikely or rare 0% – 35% ←</p>			
H- 42	M+ 30	M- 17							
Low	<table border="1" style="width: 100px; height: 100px;"> <tr> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </table>	M+ 30	M- 17	L 5.5					
M+ 30	M- 17	L 5.5							
<p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>									
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <b>High (H)</b> – Provides benefits for more than 30,000 customers.  <b>Medium (M)</b> – Provides benefits for 10,000 to 30,000 customers.  <b>Low (L)</b> – Provides benefits for less than 10,000 customers. ←</p>									
<p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>									
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <b>Immediate Need (I)</b> – Project is needed to meet current demands or regulations within the next three (3) years. ←  <b>Short-Term Need (S)</b> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <b>Long-Term Need (L)</b> – Project is needed to meet demands beyond the next five (5) years.</p>									
<p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>									

WATER SUPPLY OBJECTIVE  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 94**  
**RAW SCORE = 75**

**Dosing Pumps & Chlortec System Installation**

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		68.25
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b>		5.00
	<input checked="" type="checkbox"/>	Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2) - Check if applicable</b>		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

## Dosing Pumps & ChlorTec System Installation

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)

This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points: with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">H+</span> 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. *Chlorine dosing system is vital to*

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup. *meeting regulatory compliance and supplying safe drinking water*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← Affects Service Area 1

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. ←

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 82**

PLC - RRWTP Main & Filter Panel

RAW SCORE = 65

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">58.50</span>	
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>	
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span>	
	<input type="checkbox"/> Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Positive Interaction (E 4) - Check all that apply</b>	
	<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span>	
<input checked="" type="checkbox"/> Promotes drinking water quality		
<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		
<input type="checkbox"/> Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/> Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span>	
	<input type="checkbox"/> Annual cost savings of more than \$50,000	
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/> Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>	
	<input type="checkbox"/> Over 50% of project costs available from other agencies	
<input type="checkbox"/> 26% to 50% of project costs available from other agencies		
<input type="checkbox"/> Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

PLC - RRWTP Main & Filter Panel

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup.

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← Affects Service Area 1

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. ←

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 75**  
**RAW SCORE = 60**

### Storage Tank Coating Repairs

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right;">50.25</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">7.50</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here *Storage Tank Coating Repairs*

PRIORITY SCORE =  
RAW SCORE = 100

	Water Supply (E 2)	Impact =	Probability =	75.00	←-- Totals from																					
WATER SUPPLY OBJECTIVE (75% of Raw Score)  This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.	Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure																									
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**FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 75**  
**RAW SCORE = 60**

**Storage Tank Interior Repairs**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right;">58.50</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input type="checkbox"/> With the Community <span style="margin-left: 150px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

**FY 2022-2027 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

PRIORITY SCORE =

RAW SCORE =

Project Name Here **Storage Tank Interior Repairs**

0.00

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

WATER SUPPLY OBJECTIVE

(75% of Raw Score)

This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

# FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

**PRIORITY SCORE = 71**

**RAW SCORE = 57**

### Media Replacement - HVWTP Filter Vessels

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">50.25</span></p> <p>A <input type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Media Replacement - HVWTP Filter Vessels**

75.00 ← Totals from

**Water Supply (E 2)**

Impact =

Probability =

75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← Service Area 1

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

WATER SUPPLY OBJECTIVE (75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = 71

Media Replacement - RRWTP Filter Vessels

RAW SCORE = 57

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">50.25</span></p> <p>A <input type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Media Replacement - RRWTP Filter Vessels**

75.00 ← Totals from

**Water Supply (E 2)**

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← Service Area 1

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 70**  
**RAW SCORE = 56**

### Chlorine Analyzers Shallow Wells

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">49.50</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 150px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

Project Name Here **Chlorine Analyzers Shallow Wells**

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Water Supply (E 2) Impact = ; Probability = 75.00 <-- Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65% ←

**Low** – Unlikely or rare 0% – 35%

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← Service Area 1

**Low (L)** – Provides benefits for less than 10,000 customers.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. ←

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.



## FY 2024-2028 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 62**

Well 11D VFD Replacement

RAW SCORE = 49

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">41.25</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor - Check if applicable</b> <span style="float: right;">2.50</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4) - Check all that apply</b></p> <p><input type="checkbox"/> With the Community <span style="margin-left: 150px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2) - Check if applicable</b> <span style="float: right;">5.63</span></p> <p><input type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2) - Check all that apply</b></p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 150px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input checked="" type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Well 11D VFD Replacement

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)

This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact =      ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup.

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

*Without a VFD, well motor will operate in an on/off mode only instead of variable. would also lose autonomous SCADA functionality*

*Affects Service Area 2*

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 86**

Trench Plate Purchase

**RAW SCORE = 69**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		56.40
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>M</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		1.25
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		7.50
	<input checked="" type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS GROUNDS PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Trench Plate Purchase

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =	; Probability =																
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.																		
	<b>Criterion A: Protect Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:																		
	Probability <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;">High</td> <td style="text-align: center;">Med.</td> <td style="text-align: center;">Low</td> </tr> <tr> <td style="text-align: center;">High</td> <td style="text-align: center;">                     H+ 55                 </td> <td style="text-align: center;">                     H- 44                 </td> <td style="text-align: center;">                     M+ 33                 </td> </tr> <tr> <td style="text-align: center;">Med.</td> <td style="text-align: center;">                     H- 44                 </td> <td style="text-align: center;">                     M+ 33                 </td> <td style="text-align: center;">                     M- 19.3                 </td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">                     M+ 33                 </td> <td style="text-align: center;">                     M- 19.3                 </td> <td style="text-align: center;">                     L 5.5                 </td> </tr> </table>		High	Med.	Low	High	H+ 55	H- 44	M+ 33	Med.	H- 44	M+ 33	M- 19.3	Low	M+ 33	M- 19.3	L 5.5	<b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.  <b>Impact:</b> <u>High</u> – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.  <b>Probability of impact occurring:</b> <u>High</u> – Likely to almost certain 65% – 100% <u>Medium</u> – Possible 35% – 65% <u>Low</u> – Unlikely or rare 0% – 35%	
	High	Med.	Low																
High	H+ 55	H- 44	M+ 33																
Med.	H- 44	M+ 33	M- 19.3																
Low	M+ 33	M- 19.3	L 5.5																

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

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**Criterion B: Enhancement of Existing Assets**  
 Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
 Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public.  
Medium (M) – Provides benefits for between 10 to all employees.  
Low (L) – Provides benefits for below 10 employees.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

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**Criterion C: Addressing Future Space Needs**  
 Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
 Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future.  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

M Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 75**

Backhoe Loader

**RAW SCORE = 60**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		53.40
	A	<input checked="" type="checkbox"/> H- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> H Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> H Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Backhoe Loader**

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>		Impact = ; Probability =	60.00
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.			
	<b>Criterion A: Protect Existing Assets</b>			
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:			
<b>Impact</b>	<b>Probability</b>			<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work <i>Critical/ piece of equipment used in operations.</i>  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65% ←  <u>Low</u> – Unlikely or rare 0% – 35%</p>
	High	Med.	Low	
	High	Med.	Low	
	High	Med.	Low	
High	H+ 55	H- 44	M+ 33	
Med.	H- 44	M+ 33	M- 19.3	
Low	M+ 33	M- 19.3	L 5.5	
<input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.				
<b>Criterion B: Enhancement of Existing Assets</b>				
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".				
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.				
<b>Effect of Project Impact:</b>				
<u>High (H)</u> – Provides benefits for all employees or the public. ←				
<u>Medium (M)</u> – Provides benefits for between 10 to all employees.				
<u>Low (L)</u> – Provides benefits for below 10 employees.				
<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.				
<b>Criterion C: Addressing Future Space Needs</b>				
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".				
<b>Definition:</b> Project positions the District to meet projected future space needs.				
<b>Effect of Project Impact:</b>				
<u>High (H)</u> – Meet projected demand 10 years in the future. ←				
<u>Medium (M)</u> – Meet projected demand 10 to 20 years in the future.				
<u>Low (L)</u> – Meet projected demand beyond 20 years in the future.				
<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.				

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 75**

Network Switch Replacements

**RAW SCORE = 60**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		60.00
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		0.00
	<input type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

### Network Switch Replacements

**Buildings and Grounds (EL 3.4)**

Impact = ; Probability =

Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	(H+) 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

**Impact:**

**High** – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public. *Failed network switches means no access to any digital files or billing information*

**Medium** – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.

**Low** – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**

Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**

Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**

**High (H)** – Provides benefits for all employees or the public. ←

**Medium (M)** – Provides benefits for between 10 to all employees.

**Low (L)** – Provides benefits for below 10 employees.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**

Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**

Project positions the District to meet projected future space needs.

**Effect of Project Impact:**

**High (H)** – Meet projected demand 10 years in the future. ←

**Medium (M)** – Meet projected demand 10 to 20 years in the future.

**Low (L)** – Meet projected demand beyond 20 years in the future.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)



**FY 2024-2028 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 74**

Truck Mounted Compressor

**RAW SCORE = 59**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		52.80
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>M</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
	<input type="checkbox"/>		<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Truck Mounted Compressor

BUILDINGS & GROUNDS OBJECTIVE Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>		Impact =	; Probability =																			
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.																						
	<b>Criterion A: Protect Existing Assets</b>																						
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:																						
			<b>Probability</b>																				
			High	Med.	Low																		
	<b>Impact</b>	High	<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr> <td style="text-align: center; vertical-align: middle;">H+</td> <td style="text-align: center; vertical-align: middle;">H-</td> <td style="text-align: center; vertical-align: middle;">M+</td> </tr> <tr> <td style="text-align: center;">55</td> <td style="text-align: center;">44</td> <td style="text-align: center;">33</td> </tr> </table>	H+	H-	M+	55	44	33	<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr> <td style="text-align: center; vertical-align: middle;">H-</td> <td style="text-align: center; vertical-align: middle;">M+</td> <td style="text-align: center; vertical-align: middle;">M-</td> </tr> <tr> <td style="text-align: center;">44</td> <td style="text-align: center;">33</td> <td style="text-align: center;">19.3</td> </tr> </table>	H-	M+	M-	44	33	19.3	<table border="1" style="border-collapse: collapse; width: 100px; height: 100px;"> <tr> <td style="text-align: center; vertical-align: middle;">M+</td> <td style="text-align: center; vertical-align: middle;">M-</td> <td style="text-align: center; vertical-align: middle;">L</td> </tr> <tr> <td style="text-align: center;">33</td> <td style="text-align: center;">19.3</td> <td style="text-align: center;">5.5</td> </tr> </table>	M+	M-	L	33	19.3	5.5
		H+	H-	M+																			
		55	44	33																			
	H-	M+	M-																				
44	33	19.3																					
M+	M-	L																					
33	19.3	5.5																					
Med.																							
Low																							
<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public. <i>Has to borrow compressor from Utility Dept.</i>  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100% ←  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%</p>																							
<input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.																							
<b>Criterion B: Enhancement of Existing Assets</b>																							
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".																							
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.																							
<b>Effect of Project Impact:</b> <u>High (H)</u> – Provides benefits for all employees or the public. <u>Medium (M)</u> – Provides benefits for between 10 to all employees. ← <u>Low (L)</u> – Provides benefits for below 10 employees.																							
<input type="checkbox"/> M Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.																							
<b>Criterion C: Addressing Future Space Needs</b>																							
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".																							
<b>Definition:</b> Project positions the District to meet projected future space needs.																							
<b>Effect of Project Impact:</b> <u>High (H)</u> – Meet projected demand 10 years in the future. ← <u>Medium (M)</u> – Meet projected demand 10 to 20 years in the future. <u>Low (L)</u> – Meet projected demand beyond 20 years in the future.																							
<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.																							

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 71**

Truck Replacements

**RAW SCORE = 57**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		<b>53.40</b>
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		<b>2.00</b>
		<input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span>	
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/> Graffiti removal or Prevention Features		
	<input type="checkbox"/> Trash removal features (vortex weirs)		
	<input type="checkbox"/> Improves esthetics of project location		
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		<b>1.25</b>
	<input checked="" type="checkbox"/> Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized	
	<input type="checkbox"/> Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management	
	<input type="checkbox"/> Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste	
	<input type="checkbox"/> Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production	
	<input type="checkbox"/> Use of Recycled or Alternative Building Materials		
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/> Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation	
	<input type="checkbox"/> Provides/Improves Bicycle Commute Route		
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		<b>0.00</b>
	<input type="checkbox"/> Annual cost savings of more than \$50,000		
	<input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000		
	<input type="checkbox"/> Annual cost savings of less than \$10,000		
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/> Over 50% of project costs available from other agencies		
	<input type="checkbox"/> 26% to 50% of project costs available from other agencies		
	<input type="checkbox"/> Up to 25% of project costs available from other agencies		

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Truck Replacements**

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =	Probability =	60.00	
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.				
	<b>Criterion A: Protect Existing Assets</b>				
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:				
<b>Impact</b>	<b>Probability</b>			<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. <i>Broken down equipment will result in this.</i>  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100% <i>← Due to age, miskeage and general conditions of equipment.</i>  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%</p>	
	High	Med.	Low		
	High	Med.	Low		
	H+ 55	H- 44	M+ 33		
	H- 44	M+ 33	M- 19.3		
	M+ 33	M- 19.3	L 5.5		
<input type="checkbox"/> <b>H+</b> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.					
<b>Criterion B: Enhancement of Existing Assets</b>					
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".					
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.					
<b>Effect of Project Impact:</b>					
<u>High</u> (H) – Provides benefits for all employees or the public. <i>← Impacts the public</i>					
<u>Medium</u> (M) – Provides benefits for between 10 to all employees.					
<u>Low</u> (L) – Provides benefits for below 10 employees.					
<input type="checkbox"/> <b>H</b> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.					
<b>Criterion C: Addressing Future Space Needs</b>					
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".					
<b>Definition:</b> Project positions the District to meet projected future space needs.					
<b>Effect of Project Impact:</b>					
<u>High</u> (H) – Meet projected demand 10 years in the future. <i>←</i>					
<u>Medium</u> (M) – Meet projected demand 10 to 20 years in the future.					
<u>Low</u> (L) – Meet projected demand beyond 20 years in the future.					
<input type="checkbox"/> <b>H</b> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.					

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 68**

Admin. Drainage Improvements

**RAW SCORE = 54**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		49.80
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>M</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		2.00
	<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input checked="" type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input checked="" type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Admin. Drainage Improvements

**Buildings and Grounds (EL 3.4)**

Impact = ; Probability =

Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

**Impact:**

**High** – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.

**Medium** – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. *Floods Parking lot when*

*It rains more than 0.25". Loses 5-6 Parking Spaces*  
**Low** – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100% ←

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**

Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**

Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**

**High (H)** – Provides benefits for all employees or the public ←

**Medium (M)** – Provides benefits for between 10 to all employees.

**Low (L)** – Provides benefits for below 10 employees.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**

Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**

Project positions the District to meet projected future space needs.

**Effect of Project Impact:**

**High (H)** – Meet projected demand 10 years in the future.

**Medium (M)** – Meet projected demand 10 to 20 years in the future. ←

**Low (L)** – Meet projected demand beyond 20 years in the future.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

BUILDINGS & GROUNDS OBJECTIVE  
Clean (60% of Raw Score)

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 67**

Computer Replacemtns

**RAW SCORE = 53**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		53.40
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		0.00
	<input type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
<b>GREENER OBJECTIVE (15%)</b>	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Reduce Solid Waste Production
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
<b>LEANER OBJECTIVE (15%)</b>	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

### Computer Replacements

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	Buildings and Grounds (EL 3.4) <span style="float: right;">Impact = ; Probability =</span>																							
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.																							
	<b>Criterion A: Protect Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:																							
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2"></td> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <td colspan="2"></td> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="text-align: center;">High</th> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 44</td> <td style="text-align: center;">M+ 33</td> </tr> <tr> <th style="text-align: center;">Med.</th> <td style="text-align: center;">H- 44</td> <td style="text-align: center;">M+ 33</td> <td style="text-align: center;">M- 19.3</td> </tr> <tr> <th style="text-align: center;">Low</th> <td style="text-align: center;">M+ 33</td> <td style="text-align: center;">M- 19.3</td> <td style="text-align: center;">L 5.5</td> </tr> </table>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 44	M+ 33	Med.	H- 44	M+ 33	M- 19.3	Low	M+ 33	M- 19.3	L 5.5
			Probability																					
			High	Med.	Low																			
	Impact	High	H+ 55	H- 44	M+ 33																			
		Med.	H- 44	M+ 33	M- 19.3																			
		Low	M+ 33	M- 19.3	L 5.5																			
	<b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.																							
<b>Impact:</b> High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public. <i>Network security at risk when Windows 10 is retired/unsupported</i> Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.																								
<b>Probability of impact occurring:</b> High – Likely to almost certain 65% – 100% Medium – Possible 35% – 65% ← Low – Unlikely or rare 0% – 35%																								
<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.																								
<b>Criterion B: Enhancement of Existing Assets</b> Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".																								
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.																								
<b>Effect of Project Impact:</b> High (H) – Provides benefits for all employees or the public. ← Medium (M) – Provides benefits for between 10 to all employees. Low (L) – Provides benefits for below 10 employees.																								
<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.																								
<b>Criterion C: Addressing Future Space Needs</b> Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".																								
<b>Definition:</b> Project positions the District to meet projected future space needs.																								
<b>Effect of Project Impact:</b> High (H) – Meet projected demand 10 years in the future. ← Medium (M) – Meet projected demand 10 to 20 years in the future. Low (L) – Meet projected demand beyond 20 years in the future.																								
<input type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.																								



**FY 2024-2028 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 66**

Factor Replacement

**RAW SCORE = 53**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		46.20
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>M</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
	<input type="checkbox"/>		<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS GROUNDS PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Factor Trailer Replacement

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)

**Buildings and Grounds (EL 3.4)** Impact = ; Probability =  
Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

**Impact:**  
High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  
Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  
Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**  
High – Likely to almost certain 65% – 100% ←  
Medium – Possible 35% – 65%  
Low – Unlikely or rare 0% – 35%

**A-** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public.  
Medium (M) – Provides benefits for between 10 to all employees. ←  
Low (L) – Provides benefits for below 10 employees.

**M** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future. ←  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

**H** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 65**

ERP System

**RAW SCORE = 52**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		46.80
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		1.25
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input checked="" type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

ERP System

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =      ; Probability =							
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.								
	<b>Criterion A: Protect Existing Assets</b>								
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:								
	Probability	<b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.							
		High      Med.      Low	<b>Impact:</b> High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.						
	High	<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">H+</td> <td style="padding: 5px;">H-</td> <td style="padding: 5px;">M+</td> </tr> <tr> <td style="padding: 5px;">55</td> <td style="padding: 5px;">44</td> <td style="padding: 5px;">33</td> </tr> </table>	H+	H-	M+	55	44	33	Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. <i>Provides increased efficiency in operations &amp; communication between departments</i>
	H+	H-	M+						
	55	44	33						
	Med.	<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">H-</td> <td style="padding: 5px;">M+</td> <td style="padding: 5px;">M-</td> </tr> <tr> <td style="padding: 5px;">44</td> <td style="padding: 5px;">33</td> <td style="padding: 5px;">19.3</td> </tr> </table>	H-	M+	M-	44	33	19.3	Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.
H-	M+	M-							
44	33	19.3							
Low	<table border="1" style="margin: auto;"> <tr> <td style="padding: 5px;">M+</td> <td style="padding: 5px;">M-</td> <td style="padding: 5px;">L</td> </tr> <tr> <td style="padding: 5px;">33</td> <td style="padding: 5px;">19.3</td> <td style="padding: 5px;">5.5</td> </tr> </table>	M+	M-	L	33	19.3	5.5	<b>Probability of impact occurring:</b> High – Likely to almost certain 65% – 100%  Medium – Possible 35% – 65% ←  Low – Unlikely or rare 0% – 35%	
M+	M-	L							
33	19.3	5.5							
<input type="checkbox"/> M+	Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.								
<b>Criterion B: Enhancement of Existing Assets</b>									
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".									
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.									
<b>Effect of Project Impact:</b> High (H) – Provides benefits for all employees or the public. ←  Medium (M) – Provides benefits for between 10 to all employees.  Low (L) – Provides benefits for below 10 employees.									
<input type="checkbox"/> H	Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.								
<b>Criterion C: Addressing Future Space Needs</b>									
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".									
<b>Definition:</b> Project positions the District to meet projected future space needs.									
<b>Effect of Project Impact:</b> High (H) – Meet projected demand 10 years in the future. ←  Medium (M) – Meet projected demand 10 to 20 years in the future.  Low (L) – Meet projected demand beyond 20 years in the future.									
<input type="checkbox"/> H	Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.								

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 61**

Pavement Repair & Seal Coat - RRWTP

**RAW SCORE = 49**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		46.80
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		2.00
	<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here **Pavement Repair & Seal Coat - RRWTP**

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)

**Buildings and Grounds (EL 3.4)** Impact = ; Probability = 60.00  
Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability			
		High	Med.	Low	
Impact	High	H+ 55	H- 44	M+ 33	<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%</p>
	Med.	H- 44	M+ 33	M- 19.3	
	Low	M+ 33	M- 19.3	L 5.5	

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

- Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public.  
Medium (M) – Provides benefits for between 10 to all employees.  
Low (L) – Provides benefits for below 10 employees.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

- Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future.  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 52**

Plotter Replacement

**RAW SCORE = 41**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		37.20
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> <b>L</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

Plotter Replacement

BUILDINGS & GROUNDS OBJECTIVE Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>		Impact =	; Probability =		
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.					
	<b>Criterion A: Protect Existing Assets</b>					
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:					
			<b>Probability</b>			<b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.  <b>Impact:</b> <u>High</u> – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  <u>Medium</u> – Without the project, <u>District staff likely can only perform their normal daily work in a restricted manner</u> for a limited duration and <u>with work-arounds</u> .  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.  <b>Probability of impact occurring:</b> <u>High</u> – Likely to almost certain 65% – 100% ←  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%
			High	Med.	Low	
	High	H+ 55	H- 44	M+ 33		
	Med.	H 44	M+ 33	M- 19.3		
	Low	M+ 33	M- 19.3	L 5.5		
	<input checked="" type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.					
<b>Criterion B: Enhancement of Existing Assets</b>						
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".						
<b>Definition:</b> Project enhances building infrastructure to address treatment of staff issues.						
<b>Effect of Project Impact:</b> <u>High (H)</u> – Provides benefits for all employees or the public. <u>Medium (M)</u> – Provides benefits for between 10 to all employees. <u>Low (L)</u> – Provides benefits for below 10 employees. ←						
<input checked="" type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.						
<b>Criterion C: Addressing Future Space Needs</b>						
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".						
<b>Definition:</b> Project positions the District to meet projected future space needs.						
<b>Effect of Project Impact:</b> <u>High (H)</u> – Meet projected demand 10 years in the future. ← <u>Medium (M)</u> – Meet projected demand 10 to 20 years in the future. <u>Low (L)</u> – Meet projected demand beyond 20 years in the future.						
<input checked="" type="checkbox"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.						



**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 42**

Pavement Repair & Seal Coat - Admin.

**RAW SCORE = 34**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		29.58
	A	<input type="checkbox"/> M- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> H Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> M- Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/> X	With the Community	<input checked="" type="checkbox"/> X With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Pavement Repair & Seal Coat - Admin.

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =	; Probability =		
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.				
	<b>Criterion A: Protect Existing Assets</b>				
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:				
			<b>Probability</b> High      Med.      Low		
	<b>Impact</b>  High  Med.  Low	High	H+ 55	H- 44	M+ 33
		Med.	H- 44	M+ 33	M- 19.3
		Low	M+ 33	M- 19.3	L 5.5
	<b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.				
	<b>Impact:</b> High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.				
<b>Probability of impact occurring:</b> High – Likely to almost certain 65% – 100% Medium – Possible 35% – 65% ← Low – Unlikely or rare 0% – 35%					
Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.					
<b>Criterion B: Enhancement of Existing Assets</b>					
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".					
<b>Definition:</b>					
Project enhances building infrastructure to address treatment of staff issues.					
<b>Effect of Project Impact:</b>					
High (H) – Provides benefits for all employees or the public. ←					
Medium (M) – Provides benefits for between 10 to all employees.					
Low (L) – Provides benefits for below 10 employees.					
Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.					
<b>Criterion C: Addressing Future Space Needs</b>					
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".					
<b>Definition:</b>					
Project positions the District to meet projected future space needs.					
<b>Effect of Project Impact:</b>					
High (H) – Meet projected demand 10 years in the future.					
Medium (M) – Meet projected demand 10 to 20 years in the future. ←					
Low (L) – Meet projected demand beyond 20 years in the future.					
Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.					

**FY 2024-2028 BUILDING SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 41**

Admin. Storage Building Improvements

**RAW SCORE = 33**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		27.78
	A	<input checked="" type="checkbox"/> M- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> M Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> M Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		2.00
		<input checked="" type="checkbox"/> With the Community <input type="checkbox"/> With other agencies	
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		3.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input checked="" type="checkbox"/> X	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & GROUNDS PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE =

Admin. Storage Building Improvements

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)

**Buildings and Grounds (EL 3.4)**

Impact = ; Probability =

Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

**Impact:**

High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.

Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.

Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65% ←

Low – Unlikely or rare 0% – 35%



Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**

Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**

Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**

High (H) – Provides benefits for all employees or the public.

Medium (M) – Provides benefits for between 10 to all employees. ←

Low (L) – Provides benefits for below 10 employees.



Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**

Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**

Project positions the District to meet projected future space needs.

**Effect of Project Impact:**

High (H) – Meet projected demand 10 years in the future.

Medium (M) – Meet projected demand 10 to 20 years in the future. ←

Low (L) – Meet projected demand beyond 20 years in the future.



Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2024-2028 BUILDING & SITE / VEHICLES PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 36**

AC Roller Replacement

**RAW SCORE = 29**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		22.38
	A	<input checked="" type="checkbox"/> M- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> L Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> H Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS GROUNDS PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE =

AC Roller Replacement

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =      ; Probability =																							
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.																								
	<b>Criterion A: Protect Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:																								
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="text-align: center;">High</th> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 44</td> <td style="text-align: center;">M+ 33</td> </tr> <tr> <th style="text-align: center;">Med.</th> <td style="text-align: center;">H- 44</td> <td style="text-align: center;">M+ 33</td> <td style="text-align: center;">M- 19.3</td> </tr> <tr> <th style="text-align: center;">Low</th> <td style="text-align: center;">M+ 33</td> <td style="text-align: center;">M- 19.3</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 44	M+ 33	Med.	H- 44	M+ 33	M- 19.3	Low	M+ 33	M- 19.3	L 5.5	<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <b>High</b> – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  <b>Medium</b> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <b>Low</b> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <b>High</b> – Likely to almost certain 65% – 100%  <b>Medium</b> – Possible 35% – 65% <span style="color: red;">←</span>  <b>Low</b> – Unlikely or rare 0% – 35%</p>
		Probability																							
		High	Med.	Low																					
Impact	High	H+ 55	H- 44	M+ 33																					
	Med.	H- 44	M+ 33	M- 19.3																					
	Low	M+ 33	M- 19.3	L 5.5																					

M- Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Enhancement of Existing Assets**  
 Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
 Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
**High (H)** – Provides benefits for all employees or the public.  
**Medium (M)** – Provides benefits for between 10 to all employees.  
**Low (L)** – Provides benefits for below 10 employees. ←

L Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

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**Criterion C: Addressing Future Space Needs**  
 Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
 Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
**High (H)** – Meet projected demand 10 years in the future. ←  
**Medium (M)** – Meet projected demand 10 to 20 years in the future.  
**Low (L)** – Meet projected demand beyond 20 years in the future.

H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Treasurer

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT/ELK GROVE WATER DISTRICT DRAFT FISCAL YEAR 2023-24 PROPOSED OPERATING BUDGET**

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### **RECOMMENDATION**

Review and discuss the draft Florin Resource Conservation District/Elk Grove Water District Fiscal Year 2023-24 Proposed Operating Budget.

### **SUMMARY**

Each year staff develops the operating budget worksheet of projected revenues and estimated expenses and presents the document to the Florin Resource Conservation District/Elk Grove Water District (District) Board of Directors (Board) for review and comment. The worksheet along with the FY 2023-24 departmental goals and objectives were presented to the Board during the April 18, 2023 regular board meeting. Staff is now bringing to the Board the District Draft FY 2023-24 Proposed Operating Budget (Attachment 1) for review and discussion prior to advancing to the Board for adoption in June.

### **DISCUSSION**

#### **Background**

On April 18, 2023, staff presented to the Board the District's FY 2023-24 operating budget worksheet and the departmental goals and objectives. The FY 2023-24 operating budget worksheet projects total operating revenues of approximately \$16.397 million and total expenses of approximately \$18.492 million including Capital Improvement and Capital Repair & Replacement Reserve contributions of approximately \$3.175 million. The projected expenses in excess of revenues are approximately \$2.095 million, which would be funded from reserves carried over from prior years.

Staff has used the operating budget worksheet and the departmental goals and objectives to prepare the District's Draft FY 2023-24 Proposed Operating Budget, which is being presented to the Board for review and discussion. Once all comments are received, staff will incorporate the information into a final budget document, which will be brought to the Board for adoption in June.

**FLORIN RESOURCE CONSERVATION DISTRICT/ELK GROVE WATER DISTRICT  
DRAFT FISCAL YEAR 2023-24 PROPOSED OPERATING BUDGET**

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Page 2

Present Situation

The District's Draft FY 2023-24 Proposed Operating Budget reflects the following changes since the budget development worksheet was presented to the Board during the April 18, 2023, regular board meeting:

1. A decrease in salaries and benefits of \$9,509.84 or -0.18% due to:
  - a. The April 2023 CPI-U for the average of the U.S. City Average, West and San Francisco index coming in at 4.67%, resulting in a decrease in salaries and benefits of \$13,049.33.
  - b. Adjustments to medical premium projections based on updated information from ACWA/JPIA. HMO plan premiums are estimated to increase by 6.0%, PPO plan premiums are estimated to increase by 10.0% and Kaiser plan premiums are estimated to increase by 15%. This resulted in an increase in medical premiums of \$3,539.49.
2. An increase in Office and Operational of \$2,500 for upgrades to the Board Secretary table in the Board room.
3. An increase in Equipment, Rent Taxes and Utilities of \$6,000 for lease costs for the Administrative copier/printer. The District missed the deadline to submit a letter of intent to not renew the current administrative copier/printer.

The District's Draft FY 2023-24 Proposed Operating Budget includes a transmittal letter, history of the District, financial policies, proposed rates effective January 1, 2024, the FY 2023-24 salary schedule and various other information to provide readers of the document an understanding of the District, its operations, and its financial outlook.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.



May 16, 2023

**FLORIN RESOURCE CONSERVATION DISTRICT/ELK GROVE WATER DISTRICT  
DRAFT FISCAL YEAR 2023-24 PROPOSED OPERATING BUDGET**

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Page 3

**STRATEGIC PLAN CONFORMITY**

This item, and all other budget related activities, conforms to the FRCD/EGWD's 2020-25 Strategic Plan. Adoption of an annual balanced budget is specifically identified as a goal in the Fiscal Responsibility section of the Strategic Plan.

**FINANCIAL SUMMARY**

The District's Draft FY 2023-24 Proposed Operating Budget projects total operating revenues of approximately \$16.397 million and total expenses of approximately \$18.492 million including Capital Improvement and Capital Repair & Replacement Reserve contributions of approximately \$3.175 million. The projected expenses in excess of revenues are approximately \$2.095 million, which would be funded from reserves carried over from prior years.

Respectfully submitted,



PATRICK LEE  
FINANCE MANAGER/TREASURER

Attachment



# **Fiscal Year 2023-24 Operating Budget**



**Florin Resource Conservation District/Elk Grove Water District**

9829 Waterman Road  
Elk Grove, CA 95624  
(916) 685-3556  
[www.egwd.org](http://www.egwd.org)

**Board of Directors**

Tom Nelson, Chair  
Paul Lindsay, Vice-Chair  
Lisa Medina, Director  
Elliot Mulberg, Director  
Sophia Scherman, Director

**Appointed Official**

Bruce Kamilos, General Manager

**Leadership Team**

Stefani Phillips, Human Resources Administrator/Board Secretary  
Patrick Lee, Finance Manager/Board Treasurer  
Donella Murillo, Finance Supervisor  
Travis Franklin, Program Manager  
Ben Voelz, Associate Engineer  
Steve Shaw, Water Treatment Supervisor  
Sean Hinton, Water Distribution Supervisor  
Alan Aragon, Water Distribution Supervisor

## GOVERNING VALUES

Board members and employees of the Florin Resource Conservation District and Elk Grove Water District commit to the following values:

- ) **Transparency:** We recognize that transparency is the foundation of good governance. We are committed to openness and accountability in all District endeavors.
- ) **Leadership:** We are a team. The community is supported through mutual cooperation and respect. Great ideas come from many sources, and we listen with an open mind.
- ) **Caring:** We care about the quality of our water; we care about our customers' satisfaction, and we care about the quality of the working environment.
- ) **Integrity:** We are honest with one another, with our customers and with our industry partners. We maintain a quality operation that is fiscally sound and forthright. We want the trust and respect of our community and ratepayers.
- ) **Professionalism:** We are committed to standards of excellence, accuracy, and superior conduct.
- ) **Vision:** We recognize that decisions we make today impact the future of this District and our community. We value our community's natural resources and actively seek ways to improve our services through local control and stewardship.



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Fiscal Year 2023-24 Operating Budget**

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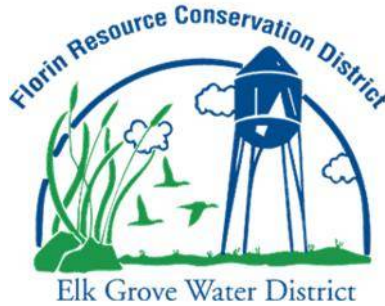
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**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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**To:** Florin Resource Conservation District Board of Directors

**From:** Bruce Kamilos, General Manager

**Date:** June 20, 2023

**Subject:** **FLORIN RESOURCE CONSERVATION DISTRICT/ELK GROVE WATER DISTRICT  
FY 2023-24 PROPOSED OPERATING BUDGET**

For your consideration, I respectfully submit the annual Florin Resource Conservation District/Elk Grove Water District (District) Proposed Operating Budget for the fiscal year beginning July 1, 2023. This proposed operating budget reflects a collaborative effort between staff and the Board of Directors, as well as allowing for input from the public during several meetings.

As the District prepares for Fiscal Year (FY) 2023-24, economic conditions prove to be challenging as the District continues to deal with the increase in operating and capital costs as a result of high inflation. District staff continues to prudently manage the District's finances by implementing cost cutting measures resulting in only a 2.0% revenue rate increase, out of an approved maximum of 3.0%, beginning January 1, 2024.

For the past six months, the District has been conducting a Water Rate and Connection Fee Study. The District does this every five years to ensure that revenues collected are sufficient to cover ongoing operating, capital, and debt service costs. The District formed a Community Advisory Committee (CAC) consisting of ten customers to help guide the study. The CAC has been instrumental in helping staff and the District's consultant work through the study's details. The District plans to hold a public hearing on the study during its regular Board meeting on July 18, 2023.

With an increase in the general cost of living and the financial struggle fallout as part of the COVID-19 pandemic, the District continues to do what it can to assist its customers with water affordability. The District continues to conduct outreach and participate in the Low-Income Housing Water Assistance Program (LIHWAP) administered by the California Department of Community Services and Development to provide customers who are income qualified with payment assistance.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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The District's Operations Department has been fully engaged in performing necessary system maintenance and the replacement of aging infrastructure. The District is projecting a total of 2,500 linear feet of water mains will be replaced by the end of FY 2023. The District's long-term water main replacement program will replace aging water mains before they reach the end of their useful life of 75 years.

Looking forward into next year, the District will be faced with State Legislation SB 606 and AB 1668 which establishes water use efficiency standards. These standards establish water conservation as a way of life in California and are designed to lower water usage statewide over the next ten years. In the short term, the District is meeting these efficiency standards but as these standards continue to lower use, the District will need to encourage more efficient water use across the board. This increase in efficiency will lower water demand for the District and potentially affect the amount of water revenue generated annually.

Lastly, the District is excited to announce that it has completed the tenant improvements to its new Administration building located at 9829 Waterman Road in Elk Grove, California. The District worked aggressively to value-engineer all aspects of design and construction to ensure cost efficiency while ensuring that the improvements also meet necessary building and safety codes. I am pleased to announce that the project came in under budget. The District has completed the move into its new "home" and held a grand opening on October 7, 2022. I would like to invite you all to stop by to see our new home and say "hi" to the Administrative team. Our Customer Service department welcomes you with warm smiles.

I would like to thank staff for their conscientious efforts in prudently managing the District's resources to meet the demands of great customer service and responsible facilities maintenance. I also want to thank the Board of Directors for their leadership and continued interest in prudent fiscal management.

In summary, the District will continue to maintain financial discipline during FY 2023-24, and this reflects a concerted effort by the Board of Directors and staff to maintain our customer rates and charges as low as possible.



BRUCE KAMILOS, P.E.  
GENERAL MANAGER



## **ABOUT THE FLORIN RESOURCE CONSERVATION DISTRICT**

In the spring of 1950, the Florin Farm Center Committee for Organization of a Soil Conservation District, a committee of Florin farmers, submitted a proposal for the formation of the Florin Soil Conservation District to the Sacramento County Board of Supervisors, requesting approval and submission of that proposal to the State Soil Conservation Commission. The specific intents of the new soil conservation district would be efficient use of irrigation water, improved drainage, flood control and other land improvements. With the necessary approvals, the committee met with other agricultural interests and local landowners until they had thoroughly identified all properties wanting to be within the District boundaries.

On June 23, 1953, a public election determined the establishment of the Florin Soil Conservation District (FSCD) and its first five-member board of directors. The very first work plan, written in 1953, identified the importance of wise irrigation use and the necessity in not depleting the area's underground water supplies. In 1954, the board executed a Memorandum of Understanding with the USDA, beginning a long and productive partnership.

California Resource Conservation Districts are authorized by Division 9 of the California Public Resources Code. Chapter 3, Article 9 of Division 9 details the general powers of a district. An expansion of those powers was the impetus in changing the names of the Soil Conservation District to Resource Conservation Districts in 1971, resulting in the Florin Resource Conservation District (FRCD).

## **ABOUT THE ELK GROVE WATER DISTRICT**

In 1893, after several fires threatened the small town of Elk Grove, CA, local residents banded together and founded the Elk Grove Water Company. The water company began business with twelve owners and 10 customers. The Jones family later purchased the water company in the early 1900's and operated the utility as a private company known as the Elk Grove Water Works. The FRCD acquired the Elk Grove Water Works in 1999 from the Jones family and created the Elk Grove Water District (EGWD), which is a Department of the FRCD. This acquisition changed the governance of the water utility from private ownership to a publicly owned and operated agency. The EGWD is structured as an enterprise fund of the FRCD.

The FRCD (District) is governed by an elected five-member Board. Board members serve four-year, staggered terms. The Board of Directors delegate the daily operations of District to the General Manager, who supervises the work of 30 staff members.

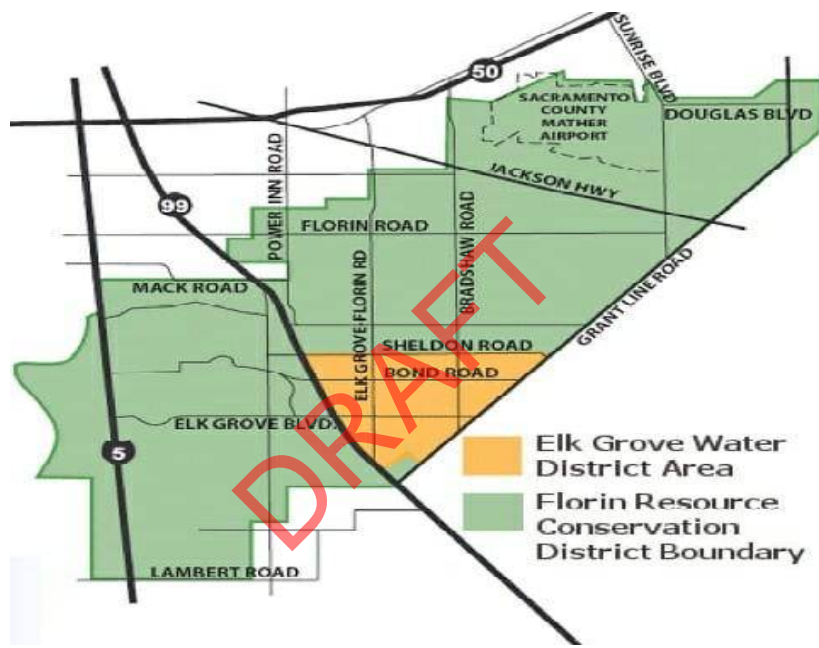
Although recent efforts by the District have primarily focused on managing the water utility (EGWD), it has also performed other activities including creek cleanups, tire recycling,

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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technical assistance, and conservation education. To remedy some of the financial pressures of the District, on April 18, 2018, the Board made the decision by Resolution No. 04.18.18.01 to limit all future activities to “water related activities that benefit, or otherwise serve, the EGWD ratepayers.” This decision was made after years of deliberation, multiple public meetings, in-depth engagement with legal counsel, and even consideration of integration with other water agencies. The decision to limit District activities to benefit EGWD ratepayers protects the District from financial uncertainty, maintains stability for EGWD customers, and leaves the FRCD boundaries intact.

**Elk Grove Water District Service Area**



The EGWD service area covers 13 sq. miles with a population of approximately 47,000 people, providing water to over 13,000 homes and businesses in Elk Grove. Much of the water supplied is produced by wells located throughout Elk Grove, the treatment and storage facility at the Railroad Water Treatment Facility (RRWTF) on Railroad Street and the treatment facility on Hampton Drive. EGWD produces over 1.3 billion gallons of water each year, providing supply to approximately two-thirds of the EGWD service area. The remaining area is supplied with water purchased from the Sacramento County Water Agency (SCWA) under a long-term agreement.

## **MISSION**

*“WE ARE COMMITTED TO SUPPLYING OUR CUSTOMERS WITH HIGH QUALITY, SAFE WATER ALONG WITH OUTSTANDING CUSTOMER SERVICE FOR CURRENT AND FUTURE GENERATION.”*

## STRATEGIC GOALS

The District's five-year Strategic Plan (Plan) was developed through a collaborative process that spanned over a year and included a series of workshops to solicit input from the public, individual interviews with both staff and Board members and multiple debriefing sessions. Through a consultant, District staff established the parameters and foundation for how the Plan would be developed. A framework was developed, and input was solicited from the public, staff, and Board members on where the District positioned itself currently, obstacles and challenges the District faced and goals to achieve to advance the District forward into the future.

District staff and Board members also worked through the District's core values and how those values should be reflected and incorporated into the Plan. This process led to the core value of "Transparency" being added to exemplify the District's strong belief that openness and transparency contribute to a culture of trust and accountability with all partners and customers.

The Plan was adopted by the District's Board of Directors on February 18, 2020 and includes seven strategic goals and associated objectives that encompasses the District's core values and provides a five-year vision and roadmap to ensure staff and the Board continue to best serve District customers now and into the future. This Plan continues to be referenced by the Board, staff and District stakeholders when allocating resources and determining courses of action for the District. The Strategic goals and objectives are as follows:

**STRATEGIC GOAL #1: GOVERNANCE AND CUSTOMER ENGAGEMENT** – Conduct public affairs and manage public resources in an effective, efficient, and transparent manner.

- Objectives:
- Conduct a review of the District's bylaws every two years.
  - Conduct biennial Board member orientations to review policies and procedures.
  - Provide opportunities for public involvement and participation.
  - Conduct all Board meetings in accordance with the Brown Act with emphasis on transparency.
  - Maintain a District website allowing easy access to all Board meeting materials and governing documents.
  - Continue to demonstrate operational transparency based on the guidelines established by the Special District Leadership Foundation (SDLF) District Transparency Certificate of Excellence.
  - Conduct District business in an ongoing manner to achieve the SDLF District of Distinction Accreditation.
  - Continue to review operational procedures and structures for improvements to District operations.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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- Monitor, review, and update District policies to adhere to changes in operational, environmental, and legislative requirements.

**STRATEGIC GOAL #2: FISCAL RESPONSIBILITY** – Make financial decisions that benefit District customers.

- Objectives:
- Conduct a water study to set rates for calendar years 2024 through 2028.
  - Continuous achievement in sound accounting practice based on the GFOA Certificate of Achievement for Excellence in Financial Reporting Award.
  - Manage water rates to be regionally competitive.
  - Develop a funding plan to increase funded ratio of retirement and other post-employment benefits.
  - Develop annual financial plans to align CIP projects with the approved rate structure (pay as you go).
  - Establish bill payment consolidation services to increase payments by automated clearing house (ACH).
  - Develop annual budgets that are balanced through cost saving measures or transfers from operating reserves.

**STRATEGIC GOAL #3: PLANNING AND OPERATIONAL EFFICIENCY** – Practice ongoing infrastructure renewal and organizational improvement through planning and increased operational efficiency.

- Objectives:
- Update the District’s Urban Water Management Plan, including the development of a new Water Shortage Contingency Plan.
  - Develop Master Plan for aging water mains.
  - Develop and update standard operating procedures.
  - Update the District’s Standard Construction Specifications and Drawings.
  - Explore the potential for implementing automated metering infrastructure technology.
  - Implement a regulatory tracking system.
  - Review and update the District’s Asset Management Plan.

**STRATEGIC GOAL #4: PROTECTION OF PUBLIC AND ENVIRONMENTAL HEALTH** – Provide a safe, abundant, and reliable water supply.

- Objectives:
- Comply with all State and Federal Drinking Water Standards.
  - Investigate the potential for groundwater recharge projects.
  - Complete Risk and Resilience Plan.
  - Update the District’s Emergency Response Plan.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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- Complete a risk assessment of water system infrastructure around critical facilities including schools, daycares, and senior living centers.
- Perform Districtwide unidirectional flushing.

**STRATEGIC GOAL #5: COMMUNITY RELATIONS** – Increase engagement with the customers and community to provide superior customer service and increase public awareness of the water industry and the District.

- Objectives:
- Establish a Communications Plan annually.
  - Explore development of a water education program with the Elk Grove Unified School District.
  - Develop new marketing media to tell the story of the District and convey the value of water.
  - Acquire a new administrative facility.
  - Explore the potential for offering a low-income and senior assistance program.
  - Explore the potential to utilize social media.
  - Develop a customer service survey program to periodically solicit feedback on District services and customer satisfaction.

**STRATEGIC GOAL #6: EMPLOYER OF CHOICE** – Attract and retain skilled employees. The District remains a driven, supportive, and family-oriented work environment.

- Objectives:
- Continue to provide competitive salaries and benefits.
  - Maintain control of employee medical benefit contributions.
  - Develop and refine employee succession planning.
  - Create a comprehensive training program for operators.
  - Maintain a commitment to develop a comprehensive safety program designed to reduce risk and comply with all regulatory requirements.

**STRATEGIC GOAL #7: WATER INDUSTRY LEADERSHIP** – Demonstrate water industry leadership through partnerships and active participation in regional and statewide water efforts.

- Objectives:
- Participate and actively engage in local and regional water associations, agencies, and committees to address regional and statewide water efforts.
  - Advocate for and develop legislation that benefit water agencies regionally and statewide.
  - Partner with agencies and organizations to develop plans and projects that improve California’s water resilience.

## INDUSTRY ANALYSIS AND CURRENT STATUS

**Issues Currently Affecting the Water Industry.** The American Water Works Association (AWWA) 2022 State of the Water Industry Report has identified the top five challenges facing the water industry as: 1) renewal and replacement of aging infrastructure; 2) financing for capital improvements; 3) long-term drinking water supply availability; 4) aging workforce and anticipated retirements; and 5) public understanding of the value of water systems and services.

The District is proactively addressing these top five issues identified by AWWA. As part of its five-year CIP, the District continues to manage the replacement of its aging infrastructure such as old water mains each year. In addition, the District, through its Asset Management Plan, annually assesses the condition of all of its assets to determine when projects should be undertaken to replace assets.

Financing for capital improvements is addressed by the District's current policy to fund replacement of aging infrastructure on a pay-as-you-go basis. Ensuring that water rates will generate enough revenues to cover operating, capital and debt services needs annually will minimize the need to issue additional debt in the future to fund these replacement projects.

To address long-term drinking water supply availability, the District prepares an urban water management plan every five years as required by law that verifies its ability to meet long-term water demands. The District is a member of the Sacramento Central Groundwater Authority (SCGA). The SCGA is comprised of 16 board members that represent water agencies, land use authorities, agricultural interests, agricultural-residential interests, and environmental interests in the region. The District serves as one of the board members. The sole function of the SCGA is to ensure the sustainability of the groundwater basin that our region relies on for water supply.

A critical element to providing long-term water supply in our region is conjunctive use. Conjunctive use is the practice of serving surface water for urban use when surface water supplies are plentiful. This allows the groundwater basin to naturally recharge and recover. During dry years when surface water availability is low, conjunctive use returns to groundwater pumping for urban use. This practice keeps surface water and groundwater supplies in balance and ensures water supply availability during variable and extreme weather events. Of particular importance, the SCGA as a Groundwater Sustainability Agency, was required to submit a Groundwater Sustainability Plan (GSP) to the California Department of Water Resources. The GSP serves as a blueprint to ensure the sustainable operation of the groundwater basin over the long term.

In addition to succession planning, to address aging workforce and anticipated retirements, the District completed a compensation study in 2023 to compare the salaries and benefits

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offered by the District against 10 other comparable agencies to ensure that the District is continuing to offer competitive pay to retain and attract a qualified workforce as it continues to plan for attrition.

To improve public understanding of the value of water, water systems and services, the District periodically issues a newsletter to its customers and participates in two large annual events where people in our community gather. The information communicated in the newsletter and at these events include educating customers on what it takes to pump and treat water, what the District is currently doing to ensure the continued delivery of quality water and what the District is doing to keep costs as low as possible.

In addition to the top 5 challenges identified by AWWA described above, the District is faced with its own challenges as it continues to provide its customers with high quality and safe and affordable drinking water. The issues are listed below in no specific order:

**Changing Water Demands.** The industry continues to see a change in water demand as water efficient appliances and drought resistant landscaping continue to be pushed. Although more efficient use of water is a major goal of the industry, slow or nonexistent customer growth can lead to declining water use, which can decrease operating revenue and affect how costs are recovered through rates and charges.

The District has experienced gradual decreases in water consumption from 2014 to 2016 due to the drought starting in 2014. In 2017, when the emergency drought declaration was lifted by the Governor, the District started to experience gradual increases in water consumption. This gradual increase, however, did not bring the District back to pre-2014 water demand levels, as the District had become more conservation minded with customers installing water efficient appliances and landscaping, resulting in long-term water use reductions.

In 2018, State legislatures passed SB 606 and AB 1668 stating that water use efficiency standards would be established. These standards establish water conservation as a way of life in California. These standards are designed to lower water usage statewide over the next ten years. In the short term the District is meeting these efficiency standards but as these standards continue to lower use, the District will need to encourage more efficient water use across the board. This increase in efficiency will lower water demand for the District and potentially affect the amount of water revenue generated annually.

**Cost Recovery and Affordability.** Faced with increasing capital needs and potential funding shortfalls, many utilities must increase the rates they charge for water services in the immediate future. The affordability of water has become a significant issue for low-income households and a higher priority for water utilities that struggle to reconcile the need to adequately fund infrastructure while not overburdening those who cannot afford rate increases.

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The District is currently completing a 5-year water rate study to determine the funding sufficiency for operating, capital and debt service needs for calendar years 2024 through 2028. This study, although not yet approved by the District's Board, will be subject to the receipt and consideration of any protests and comments received before and during a public hearing conducted in compliance with Proposition 218. The preliminary results of the study show a 4.50% annual water rate adjustment for the next 5 years. Due to the current inflationary state of the economy, these proposed water rate adjustments will be needed to fund the operation of the District. However, staff will continue to proactively and prudently manage the District's finances to ensure that annual water rate adjustments are minimized to only what is required to maintain sufficient funding, to meet minimum reserve requirements and to ensure continued compliance with the District's bond covenant requirements.

In addition to the prudently managing the District's finances, in 2022 and 2023, the District applied for and was granted the opportunity to participate in the Sacramento Emergency Rental Assistance (SERA) program administered by the Sacramento Housing and Redevelopment Agency, the California Water and Wastewater Arrearages Payment Program administered by the State Water Resources Control Board and the Low Income Housing Water Assistance Program (LIHWAP) administered by the California Department of Community Services and Development. All three of these programs provided direct assistance to income qualified customers of the District to help pay for past due balances due to financial hardship.

**Regulatory Compliance.** The importance of regulatory compliance, whether associated with water quality or water supply sustainability, continues to be a main concern of the water industry. New regulatory compliance requirements challenge the ability of water utilities to meet such requirements financially and operationally while continuing to maintain affordability to customers.

On March 14, 2023, the U.S. Environmental Protection Agency proposed new primary drinking water regulations for six of the most common per- and polyfluoroalkyl substances (PFAS). PFAS have been in the news a lot. They have been dubbed "forever chemicals" because it takes a long length of time for the chemicals to break down. PFAS have been used widely in all kinds of products such as nonstick cookware, water-repellent clothing, some cosmetics, and some firefighting foams to name a few. The effect of PFAS on human health is still being studied to be more fully understood. In 2020, the Elk Grove Water District (District) tested all its active water wells for PFAS. The results of the tests for PFAS were below the EPA's proposed limits. Should the EPA lower the contamination limits even further, the District would have to retest to confirm water from its wells is below any new lowered standard. The results could have financial and operational impacts on the District.



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The District is also tracking the California Water Board's activities that might alter regulations governing manganese, arsenic, and hexavalent chromium. Manganese is a naturally occurring metal that exists in the groundwater table. Presently, state regulations list manganese as a secondary contaminant meaning that it has no health consequences, and that its occurrence only is an aesthetic or cosmetic concern. The District treats its water for manganese so that the drinking water delivered to its customers is well below the current maximum contaminant level (MCL) of 50 parts per billion (ppb). The California Water Board is considering lowering the MCL to 20 ppb. Based on the District's current treatment processes, achieving an MCL of 20 ppb manganese should be achievable without incurring additional operating costs.

Similarly, the California Water Board is looking into lowering the arsenic MCL in drinking water. Arsenic is regulated as a primary contaminant meaning that there are health consequences related to arsenic. The current allowable arsenic level is 10 ppb. The District has two wells that produce water just over the allowable arsenic level. The District treats this water so that the drinking water delivered to its customers is well below the 10 ppb MCL for arsenic. Should the California Water Board lower the arsenic MCL further, this could result in other water wells the District operates being above the allowable contaminant level. In that case, the District would have to add treatment to those wells or deem the wells inactive. The results of these actions would have financial and operational impacts on the District.

Finally, the California Water Board currently regulates hexavalent chromium in drinking water under the total chromium state of 50 ppb MCL. Chronic or long-term exposure to hexavalent chromium may result in health effects. The District currently is under the required total chromium MCL of 50 ppb. The state is proposing a new regulation for hexavalent chromium of 10 ppb MCL. This proposed lowered standard could result in financial and operational impacts on the District.

## Financial Policies

### Basis of Accounting

The District operates on a fiscal year that runs from July 1, through June 30. Accounting records are maintained using the full accrual basis of accounting (GAAP). The District is a governmental entity which reports all activities related to the water operation as an enterprise fund where revenues are recognized when they are earned, and the expenses are recognized when they are incurred. The budget does not include amounts for depreciation, pension expense in accordance with Government Accounts Standards Board (GASB) Statement No. 68, or retiree medical expenses in accordance with GASB Statement No. 75. Principle payments on long-term debt are applied to the outstanding liability on a GAAP basis, as opposed to being expensed on a Budget basis. Therefore, the budget is not prepared in the same manner as the Annual Comprehensive Financial Report. The budget detailed in this document is used as a management tool for projecting and measuring revenues and expenses.

### Accounting Systems and Controls

The District uses Sage 100 as its financial accounting system to record its financial transactions. Management has established a system of internal controls that provide a reasonable basis for protecting the District's assets from fraud, waste and abuse and compile sufficient reliable information for the preparation of the District's financial statements. At the end of the year, the District prepares an Annual Comprehensive Financial Report consisting of management's representations concerning the District's finances. An independent auditing firm audits this report and examines the District's internal controls and provides an opinion on the financial reporting and suggestions on ways to improve the internal control processes of the District.

### Budgetary Control

Since the budget is an estimate, from time to time, it may be necessary to make adjustments to fine tune budget line items within expenditure categories. Various levels of budgetary control have been established to maintain the Budget's integrity. The levels of budgetary control are as follows: The General Manager controls the budget at the operating level and budgets are monitored by each respective department head. The General Manager has the authority to transfer balances between budget lines within an expenditure category. Any transfers between expenditure categories or increases in appropriations require approval by the Board of Directors. Budget to actual reports are prepared by the Finance Department and presented to the Board of Directors on a monthly basis.

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**Reserve Policy**

It is the policy of the District that all funds held in reserve be designated to specific uses. The District holds reserves for special projects and operations. Such reserves are not considered 'surplus' and shall not be made available for other uses without the express authorization of the Board of Directors.

The adequacy of the target reserve balance and/or annual contributions will be reviewed annually during the budgeting and planning process and may be revised accordingly as necessary. The following District reserve fund categories are to be established:

- ) Operating Reserve Fund – Used to ensure resources are available to fund daily administration, operations, and customer services. Target Balance is 120 days of the annual operations and maintenance budget.
- ) Capital Improvement Reserve Fund – Used to fund the new assets needed for the operations of the District that enhance or increase capacity. Target Balance is equal to the annual Capital Improvement Program (CIP) Budget.
- ) Capital Replacement Reserve Fund – Used to fund replacement of existing assets. Target Balance is equal to the annual Capital Replacement Budget.
- ) Elections and Special Studies Reserve Fund – Used to fund various special studies, as needs arise such as election cost, Board expense, etc. The Target funding balance is based on the amount as approved in the annual budget.
- ) Future Years Capital Improvement Reserve Fund – Used to fund future assets needed for the operations of the District that enhance or increase capacity in future years not yet identified in the annual CIP. Target Balance is 75% of the balance of the Unrestricted Net Position not allocated to the Operating Reserve Fund, Capital Improvement Reserve Fund, Capital Replacement Reserve Fund and the Elections Special Studies Reserve Fund upon conclusion of the annual audit.
- ) Future Years Capital Replacement Reserve Fund – Used to fund the replacement of existing assets in future years not yet identified in the annual CIP. Target Balance is 25% of the balance of the Unrestricted Net Position not allocated to the Operating Reserve Fund, Capital Improvement Reserve Fund, Capital Replacement Reserve Fund and the Elections Special Studies Reserve Fund upon conclusion of the annual audit.

### **Investment Policy**

It is the policy of the District to invest public funds in a manner which will provide the highest investment return with the maximum security while meeting the daily cash flow demands of the District and conforming to all state and local statutes governing the investment of public funds. In accordance with section 53600 et. seq. of the Government Code of the State of California, the authority to invest public funds is expressly delegated to the Board of Directors for subsequent re-delegation to the Finance Manager/District Treasurer.

Investments by the Finance Manager are limited to those instruments specifically described in the District's investment policy. The Finance Manager submits monthly reports to the Board of Directors detailing all investment holdings. In order of importance, the following three fundamental criteria are followed in the investment program: 1) safety of principal; 2) liquidity; and 3) return on investment.

### **Procurement Policy**

The District's procurement policies create uniform procedures for acquiring general goods and services, professional services, public construction contracts and the acquisition of real property. The primary purpose of the policies are to provide for the purchase of materials and trade services with the objective that they will be available at the proper time, place, quantity and at the best available price, consistent with the needs of the District. Each specific policy sets forth the dollar threshold, bidding and contracting requirements, and level of approval for each type of procurement.

### **Capital Improvement Program**

The District's annual Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects in upcoming fiscal years. The CIP is reviewed and updated on an annual basis and is a key component of the District's overall Strategic Plan. The CIP is an important document for performing water rate studies and for managing the District's operations. The CIP also provides a basis to align District plans with other local agency plans so that an integrated approach may be applied to projects within the community at large.

The District currently funds its capital expenditures on a pay-as-you-go basis. A projection of the anticipated future capital projects and associated funding needs of those projects are included in the 2024-2028 Water Rate Study currently under way when analyzing total revenue requirements to maintain operational and capital needs. The study will recommend the appropriate user charges and annual water rate increases to ensure revenue requirements are met for both operational and capital needs. Based on the inclusion of capital funding needs into the 2024-2028 Water Rate Study, and all recurring and nonrecurring capital expenditures being funded on a pay-as-you-go basis, the only effect of

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**Fiscal Year 2023-24 Operating Budget**

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capital projects on the annual budget will be an overall decrease in operating and maintenance costs due to the replacement of aging infrastructure with new material resulting in a decrease potential for infrastructure failure.

**Long-Term Financial Planning**

The District is currently conducting a 5-year water rate study, the 2024-2028 Water Rate Study (Study) that will provide for the stable funding of operations, capital projects and debt service. At the time of development of this budget, the Study was subject to approval by the District's Board and subject to the receipt and consideration of any protests and comments received before and during a public hearing conducted in compliance with Proposition 218. The District restructured approximately \$32.3 million of outstanding bonded indebtedness in December 2014 and \$16.4 million in June 2016 to provide an average annual savings of \$194,000 over the remaining term of the debt. It should be noted that the District contributed \$1.5 million of reserve funds in order to reduce the remaining term of the debt by 13 years and maintain annual debt service savings on the refinanced bonds. The District has no legal debt limit and does not intend to issue any additional debt.

This, along with continued prudent financial management, has allowed the District to implement no rate adjustments in 2019 and 2020; to defer the 3.0% rate adjustment scheduled in 2021 and 2022; and to implement only a 2.0% revenue rate adjustment out of a maximum of 3.0% in 2023. The District's current Study is proposing annual revenue rate adjustments of 4.5% beginning January 1, 2024 and commencing every January 1 through January 1, 2028. Staff will continue to review revenues and expenditures annually to minimize the required revenue adjustments as proposed by the 2024-2028 Water Rate Study.

These proposed annual water rate increases will ensure that the Districts revenues will be sufficient to cover operating, debt service and capital costs while adhering to the Districts reserve policy and complying with major bond covenants for the years 2024-2028.

The District defines a balanced budget as one where total projected revenues equal total projected expenses, including capital and debt service. When there is a shortfall in the projected revenues to cover total projected expenses, the District will make the necessary transfer from excess reserves carried over from prior years. This will allow the District to "balance" the budget. For this reason, the District deems the FY 2023-24 budget as balanced.

## Budget Process

The District adopts an annual operating budget and an annual CIP to ensure the adequacy of resources to meet District needs and to accomplish the District's mission.

The District's budget process begins with a Leadership Team Budget Kickoff Workshop to discuss timeline and identify departmental goals and objectives. Each department head is then responsible for developing their departmental operating budget for submission to the Finance Department. The Human Resources Department is responsible for the development of personnel budget and the Finance Department is responsible for the preparation of revenue estimates. Once all departmental operating budgets, personnel budget and the revenue estimates are completed, the Finance Department will compile the information into the budget document.

As required by certain debt covenants, the annual operating budget is evaluated to ensure that net revenues, as defined by the debt covenant, are equal to or exceed a minimum of 115 percent of the anticipated debt service for the budget year.

The preliminary budget is presented to the Board of Directors through a series of public meetings to solicit feedback and input from the Board and the public. This provides the Board and public with the chance to address budget proposals and comment on significant budget issues. Once all feedback and comments received have been considered and incorporated as appropriate, the final budget is presented to the Board of Directors for adoption during a public meeting prior to each fiscal year end.

During the course of a fiscal year, situations arise that require the adopted budget to change. These include unexpected increases or decreases in revenue and expenses or re-budgeting of capital projects. Any changes to the adopted budget resulting in an increase or decrease in revenues and expenses or transfers of budget across expense categories are brought to the Board for approval.

### Budget Assumptions

A budget is an estimate of revenues and expenditures for a set period of time. The creation of estimates involves a set of assumptions. It is important that the reader of this budget understands the assumptions used in preparing the revenue and expenditures estimates contained herein. Listed below are the primary assumptions used in the creation of this budget:

- ) A proposed 4.5% revenue rate adjustment effective January 1, 2024. This revenue rate adjustment is pending approval from the Board and subject to the receipt and

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- consideration of any protests and comments before and during a public hearing in compliance with Proposition 218 as part of the District’s 2024-2028 Water Rate Study.
- ) A 5.0% contingency factor that decreases residential consumption revenue due to the unknown nature of usage conditions for FY 2023-24.
  - ) Estimated 4.58% rate increase in Purchased Water cost from the SCWA.
  - ) An update to the District’s salary schedule based on the results of the District’s 2023 Compensation Study Report as accepted and filed by the Board on March 21, 2023.
  - ) An estimated 6.0% to 15.0% increase in medical premiums depending on medical plans for employees who have not yet reached the medical subsidy cap. An estimated 2.0% increase for all employees who have met the District’s medical subsidy cap.
  - ) Salary increases based on a COLA of 4.67%.

## EGWD by the Numbers

MAXIMUM DAILY WATER SUPPLY CAPACITY	11.4 MGD
NUMBER OF TREATMENT FACILITIES	2
AGGREGATE TREATMENT FACILITY CAPACITY	13.0 MGD
NUMBER OF WELLS	7
MILES OF WATER MAINS	153.7
NUMBER OF BOOSTER PUMPS	10
NUMBER OF ACTIVE SERVICE CONNECTIONS	13,041
NUMBER OF BOND ISSUES OUTSTANDING	2
NUMBER OF CERTIFIED WATER DISTRIBUTION OPERATORS	17
NUMBER OF CERTIFIED WATER TREATMENT OPERATORS	17
NUMBER OF PUBLIC FIRE HYDRANTS	1,700
EGWD SERVICE AREA POPULATION	47,006

## Budget Timeline

- March 27 Leadership Team Budget Kick-Off.
- March 30 All District key objectives and department goals and accomplishments are due to the FM.
- April 07 All department initial budget requests are due to the FM.
- April 11 **\*Infrastructure Committee Meeting** - discuss 1<sup>st</sup> draft of the FY 2024-28 CIP.
- April 13 FM submits budget development worksheet to the GM for first review.
- April 18 **\*Regular Board Meeting** - present to the Board the 3<sup>rd</sup> quarter financial report and 1<sup>st</sup> draft of budget development worksheet and departmental goals and objectives.
- April 19 GM to provide first round comments and revisions on budget development worksheet to FM.
- April 25 **\*Infrastructure Committee Meeting** – discuss 2<sup>nd</sup> draft of the CIP (if necessary).
- April 25 **\*Special Board Meeting** - to discuss the 2<sup>nd</sup> draft of budget development worksheet and District specific key objectives and department goals and objectives (if necessary).
- May 16 **\*Regular Board Meeting** - review and discuss the 1<sup>st</sup> draft of budget document.
- May 17 Issue revised budget to Board (if necessary).
- May 30 **\*Special Board Meeting** (if necessary).
- June 02 Issue revised budget to Board (if necessary).
- June 06 **\*Special Board Meeting** (if necessary).
- June 15 Final Budget and staff report due for Board Packet inclusion.
- June 20 **\*Regular Board Meeting** – budget adoption.

\* - denotes public meetings to discuss and solicit feedback from Board members and the public.



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The Government Finance Officers Association of the United States and Canada (GFOA) presented a Distinguished Budget Presentation Award to the Florin Resource Conservation District, California, for its Annual Budget for the fiscal year beginning July 01, 2022. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as a financial plan, as an operations guide, and as a communications device.

This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to the GFOA to determine its eligibility for another award.

**FISCAL YEAR 2023-24  
BUDGET OVERVIEW**

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**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## SUMMARY OF REVENUES AND EXPENDITURES

<b>Elk Grove Water District</b>								
<b>Budgeted Revenues and Expenditures by Category</b>								
<b>For the Fiscal Year ending June 30, 2024</b>								
Expenditure	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected	FY 2023-24 Budget		
	%	%	%	%	%	%		
Total Revenues	\$ 16,418,371	\$ 16,666,067	\$ 16,030,316	\$ 15,873,385	\$ 16,167,282	\$ 16,396,705	Change in Budget \$ 523,319	3.30%
<b>Operational Expenditures</b>								
Salaries and Benefits	4,091,441	4,464,584	1,303,775	4,847,546	4,508,744	5,400,398	552,851	11.40%
Seminars, Conventions and Travel	30,413	6,778	16,887	40,393	33,513	45,695	5,302	13.13%
Office and Operational	989,374	1,146,128	1,147,471	1,402,320	1,302,997	1,483,551	81,231	5.79%
Purchased Water	2,965,638	3,243,299	3,159,853	3,455,261	3,289,536	3,466,025	10,765	0.31%
Outside Services	939,456	958,876	879,328	1,077,032	908,806	1,110,124	33,092	3.07%
Equipment Rent, Taxes and Utilities	458,451	499,767	520,293	499,674	633,503	599,200	99,526	19.92%
Subtotal Operational Expenditures	9,474,773	10,319,431	7,027,606	11,322,226	10,677,099	12,104,993	782,767	6.91%
Less: Capitalized Labor	(273,456)	(292,028)	(500,178)	(459,089)	(316,911)	(435,189) *	23,900	-5.21%
Total Operational Expenses	9,201,317	10,027,403	6,527,428	10,863,137	10,360,188	11,669,804	806,667	7.43%
Non-Operating Expenditures/ (Income)	3,440,331	3,533,334	4,192,266	3,845,099	3,432,325	3,646,994	(198,105)	-5.15%
Capital Equipment and Expenditures	1,138,639	2,959,796	2,484,290	3,179,653	3,179,653	3,175,000	(4,653)	-0.15%
Total Net Expenditures	13,780,287	16,520,533	13,203,985	17,887,889	16,972,166	18,491,798	603,909	3.38%
<b>Revenues In Excess of Expenditures,</b>								
Principal Retirement and Capitalized Labor	\$ 2,638,084	\$ 145,534	\$ 2,826,332	\$ (2,014,504)	\$ (804,883)	\$ (2,095,093)	\$ (80,590)	4.00%
Transfers (to)/from Reserves	(2,638,084)	(145,534)	(2,826,332)	4,310,590	804,883	2,095,093	80,590	1.87%
Net Budget Excess/(Deficiency)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%

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Fiscal Year 2023-24 Operating Budget**

## SUMMARY OF NET POSITION ACTIVITY

**Elk Grove Water District  
Summary of Net Position Activity  
For the Fiscal Year Ending June 30, 2024**

	FY 22-23 Budget	FY 22-23 Projected	FY 2023-24 Budget
<b>Beginning Net Position</b>	\$ 66,822,119	\$ 66,822,119	\$ 66,017,236
<b>Estimated Revenues</b>	<u>15,873,385</u>	<u>16,167,282</u>	<u>16,396,705</u>
<b>Estimated Operational Expenditures</b>			
Salaries and Benefits	4,847,546	4,508,744	5,400,398
Seminars, Conventions and Travel	40,393	33,513	45,695
Office and Operational	1,402,320	1,302,997	1,483,551
Purchased Water	3,455,261	3,289,536	3,466,025
Outside Services	1,077,032	908,806	1,110,124
Equipment Rent, Taxes and Utilities	499,674	633,503	599,200
Total Operational Expenditures	<u>11,322,226</u>	<u>10,677,099</u>	<u>12,104,993</u>
<b>Estimated Nonoperational Expenditures</b>			
Capitalized Labor	(459,089)	(316,911)	(435,189)
Non-Operating Expenditures (Income)	3,845,099	3,432,325	3,646,994
Capital Equipment and Expenditures	<u>3,179,653</u>	<u>3,179,653</u>	<u>3,175,000</u>
Total Nonoperational Expenditures	<u>6,565,663</u>	<u>6,295,067</u>	<u>6,386,805</u>
<b>Revenues in Excess of Expenditures</b>	<u>(2,014,504)</u>	<u>(804,883)</u>	<u>(2,095,093)</u>
<b>Estimated Ending Net Position</b>	<u>\$ 64,807,615</u>	<u>\$ 66,017,236</u>	<u>\$ 63,922,143</u>

\*Net Position represents the difference between the District's assets plus deferred outflows of resources and the District's liabilities plus deferred inflows of resources.

## BUDGET HIGHLIGHTS

### FISCAL YEAR 2023-24

The District's proposed budget for FY 2023-24 projects total operating revenues of approximately \$16.397 million and total expenses of approximately \$18.492 million including Capital Improvement and Capital Repair & Replacement Reserve contributions of approximately \$3.175 million. The projected expenses in excess of revenues are approximately \$2.095 million, which would be funded from reserves carried over from prior years.

Despite many non-discretionary cost increases and inflation, staff undertook efforts to find cost reductions to minimize increases and these are reflected in the FY 2023-24 budget. The budget has an increase in total expenditures of \$603,909 (3.38%) from the adopted budget for FY 2022-23. The major highlights are listed below, and comparisons made are against the budgeted amounts for FY 2022-23:

- ) Revenues for FY 2023-24 are budgeted at \$16.397 million, an increase of \$523,319 (3.30%) from prior year's budget based on the following assumptions:
  - o A cost-of-service analysis was completed to reallocate service costs to the District's different customer classes based on usage characteristics and peaking factors, resulting in an overall average 4.5% revenue rate adjustment effective January 1, 2024. This revenue rate adjustment is pending approval from the Board and subject to the receipt and consideration of any protests and comments before and during a public hearing in compliance with Proposition 218.
  - o Consumption levels calculated based on an analysis using historical demand averages to determine "normal year usage" conditions, taking into consideration current weather conditions and the requirement for conservation.
  - o An increase in the number of accounts based on the review of development projects in the District's service area and a projection of the number of units to be fully built within the fiscal year.
  - o A 5.0% contingency factor that decreases residential consumption revenue due to the unknown nature of usage conditions for FY 2023-24.
  
- ) Salaries and Benefits are budgeted at \$5.400 million, an increase of \$552,851 (11.40%) from prior year's budget mainly due to:

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- An update to the District's salary schedule based on the results of the District's 2023 Compensation Study Report as accepted and filed by the Board on March 21, 2023.
  - Merit increases and promotions for eligible employees.
  - An estimated 6.0% to 15.0% increase in medical premiums depending on medical plans for employees who have not yet reached the medical subsidy cap. An estimated 2.0% increase for all employees who have met the District's medical subsidy cap.
  - A COLA increase based on the April CPI-U for the average of the U.S. City Average, West and San Francisco index of 4.67%.
- ) Seminars, Conventions and Travel are budgeted at \$45,695, an increase of \$5,302 (13.13%) from prior year's budget due to an increase in the number of Board members attending the ACWA Conferences in FY 2023-24.
- ) Office and Operational costs are budgeted at \$1.484 million, an increase of \$81,231 (5.79%) from prior year's budget mainly due to:
- An increase in insurance premiums of \$28,500 (22.67%) as projected by JPIA for all programs.
  - An increase in non-CIP related Materials of \$68,150 (71.74%) due to an increase in the cost of materials due to inflation.
  - A decrease in Meters of \$36,000 (-26.47%) due to an increased number of meters in inventory from prior year purchases due to anticipated supply chain issues.
- ) Purchased Water is budgeted at \$3.466 million, an increase of \$10,765 (0.31%) from prior year's budget due mainly to an estimated 2.40% rate increase offset by the use of more accurate demand data calculated based on an analysis using historical demand averages to determine "normal year usage" conditions, taking into consideration current weather conditions and the requirement for conservation.
- ) Outside Services costs are budgeted at \$1.110 million, an increase of \$33,092 (3.07%) from prior year's budget due mainly to:
- An increase in banking charges of \$25,200 (13.58%) due to the District anticipating an increase in the number of customers who will be utilizing recurring credit card payment option now available.
  - An increase in Legal Services of \$75,000 (51.72%) due to the District retaining new general counsel services starting in FY 2024.



**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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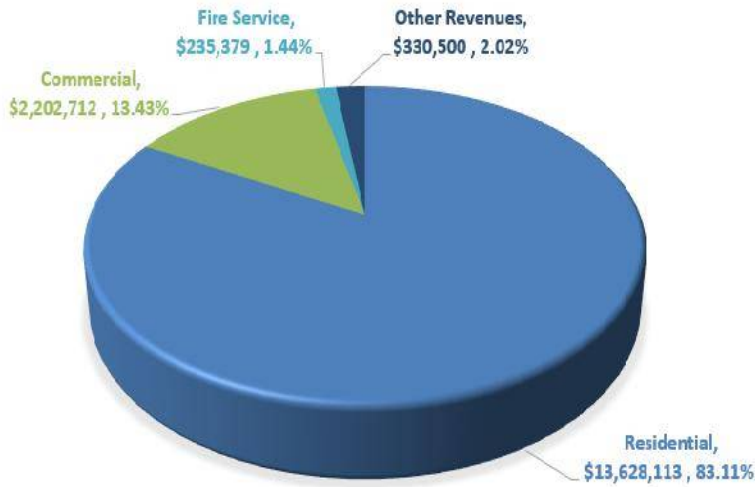
- A decrease in contracted services of \$54,544 (-10.81%) due to the completion of the 2023 Compensation Study and the 2024-2028 Water Rate and Connection Fee Study in FY 2023.
  
- ) Equipment Rent, Taxes and Utilities are budgeted at \$599,200, an increase of \$99,526 (19.92%) from prior year's budget due mainly to an increase in the cost of electricity used for pumping. Overall, SMUD electricity rate increased year over year by 29.10%.
  
- ) Capital Improvement Funding includes contributions to the Repair & Replacement Reserve and the Capital Improvement Reserve for a total of \$3.175 million. This represents a decrease of \$4,653 (-0.15%) from prior year's budget.
  
- ) Bond interest expenses will decrease by \$111,210 (-8.40%) while bond principal retirements will increase by \$115,000 (4.49%).
  
- ) There are no anticipated elections in FY 2024. Therefore, the District has not budgeted elections costs.
  
- ) This budget anticipates capitalizing \$435,189 of Salaries and Benefits for capital improvements constructed by the Utility Division. Capitalized labor costs are reduced from regular salaries and benefits and are included in the total funded amounts in the Five-Year Capital Improvement Program. Capitalized labor is estimated at 60% of the total salaries and benefits of the Utility Division.
  
- ) The budget, as recommended, will meet bond covenant requirements as follows:
  - Covenant: 1.22 (1.15 required)
  
- ) The Board will adopt a Five-Year Capital Improvement Program (CIP) which only appropriates funding for the CIP projects scheduled in FY 2023-24.
  
- ) The District will receive American Rescue Plan Act funds from the City of Elk Grove in the amount of \$215,000 for the Locust Street/Elk Grove Blvd Alley Water Main project in FY 2024.

# REVENUE SECTION

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**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## BUDGETED REVENUES BY CATEGORY



Other Revenues include:

- ) Meter/Plan Check/Water Capacity Fees
- ) Door Hanger Fees
- ) New Account Fees
- ) NSF Fees
- ) Backflow Prevention Installations

Commercial Revenues Include:

- ) Non-Residential Revenue
- ) Irrigation Revenue

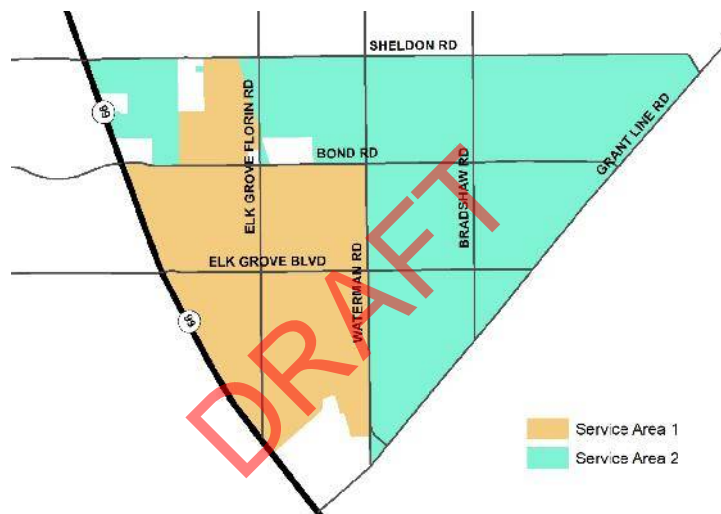
Note: Residential Revenue in this chart is net of customer refunds.

## TOTAL REVENUES FISCAL YEARS 2019-20 THROUGH 2023-24



## MAJOR REVENUE SOURCES

Approximately 98% of the District’s revenues are derived from recurring water revenues related to water consumption and availability charges. The FY 2024 budget reflects a 4.5% revenue rate adjustment effective January 1, 2024 that is subject to approval by the Board and subject to the receipt and consideration of any protests and comments before and during a public hearing in compliance with Proposition 218 as part of the District’s 2024-2028 Water Rate Study. In addition, the District derives revenues from new connection fees for development within Service Area 1 of its two service areas. Connection fees for development within Service Area 2 of the EGWD’s service area are paid to the SCWA.



Revenue projections are developed using a fee/rate-based projection, taking into account consumption levels calculated based on an analysis using historical demand averages to determine “normal year usage” conditions and the projected increase in the number of accounts based on the review of development projects in the District’s service area and the number of units to be fully built within the fiscal year. Depending on drought conditions, revenue projections are adjusted by what the District deems to be an appropriate conservation factor and/or anticipated increase in water consumption as a result of the lifted drought restrictions.

### Revenue Rate Increase Projections

Utility rate setting is subject to the provisions of Proposition 218 wherein customers are provided information on proposed rate changes and are invited to attend a public hearing on the proposed changes. Proposed rate changes can be denied if a majority of ratepayers submit written protests opposing them. If a majority of ratepayers do not protest, the Board

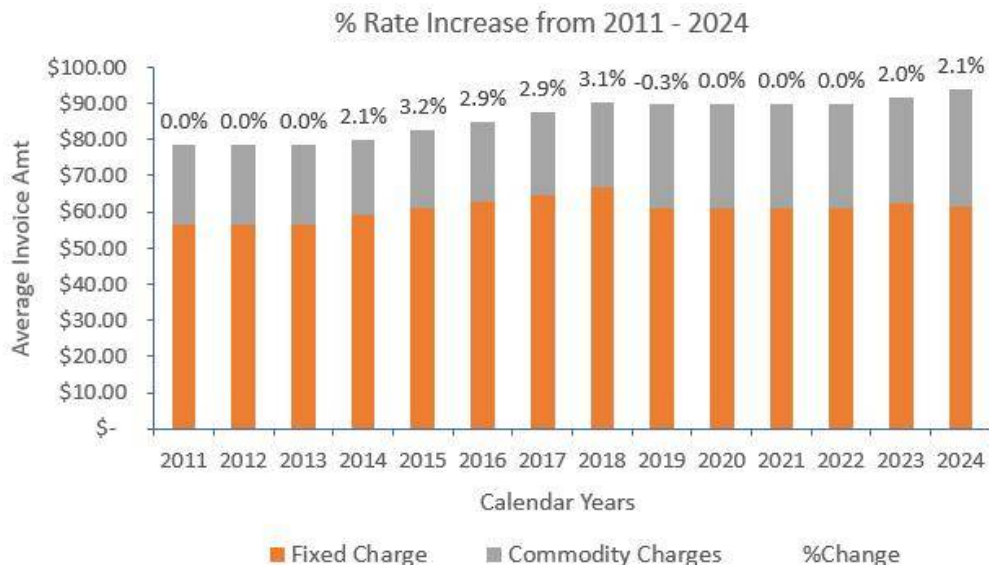
**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

of Directors vote on the proposed rate changes and set the effective date for any proposed and approved changes. Revenue rate adjustments are necessary to fund various projects and to pay for increased operating cost, primarily due to inflation. At the time of development of this budget, the District was currently conducting its 2024-2028 Water Rate Study which proposes annual water rate adjustments as follows:

- ) January 1, 2024 – 4.50%
- ) January 1, 2025 – 4.50%
- ) January 1, 2026 – 4.50%
- ) January 1, 2027 – 4.50%
- ) January 1, 2028 – 4.50%

The proposed water rate adjustments of the 2024-2028 Water Rate Study are subject to approval by the Board and subject to the receipt and consideration of any protests and comments before and during a public hearing in compliance with Proposition 218. It is anticipated that the public hearing will take place in July of 2023. Although not yet approved, the revenue projection in this section reflect the proposed 4.50% water rate adjustment effective January 1, 2024.

The chart below shows the average revenue rate adjustment each calendar year since 2011 in relation to an average bill, assuming the customer is a single-family residential service customer with a 1” meter consuming 15 CCF’s of water. As can be seen, the increases in rates have been very consistent and relatively minimal. For the years with a rate increase, the increase is approximately equal to the average inflation rate. This is all made possible through prudent financial management and budgeting; however, future revenue adjustments will be necessary to fund various capital projects and to pay for increased operating cost, primarily due to inflation.



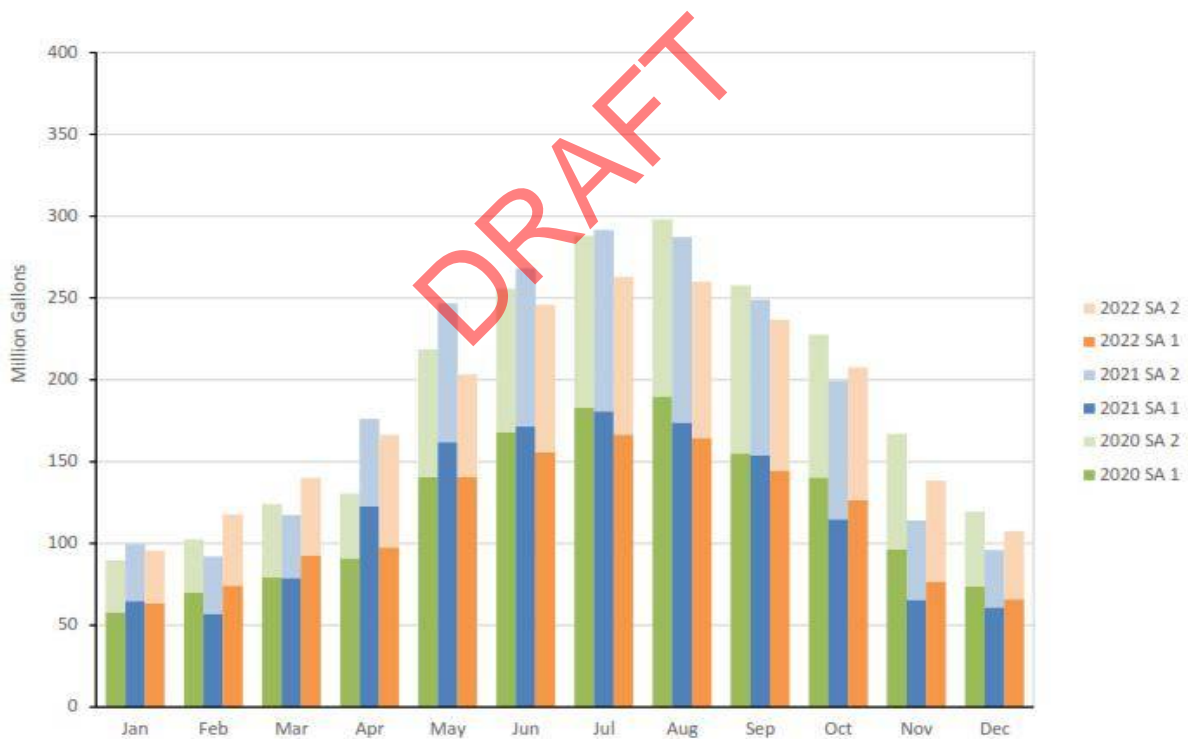
**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**WATER DEMAND TREND**

Water revenues are driven by two primary factors, the amount of water sold and the rate per unit, with increases in water consumption generating more revenues to offset the increased costs of operations. The graph below shows the demand trends for the prior three calendar years. The graph also shows the correlation between the annual seasonal change and overall water demand, with the highest level of demand occurring during the summer months.

As can be seen in the chart below, the District has experienced gradual increases in water demand in 2020 and 2021, however, the total level of water demand in 2022 decreased due to dryer weather conditions and the Governor’s statewide request for voluntary conservation. Due to continued dryer weather conditions, conservation has become a way of life, with many residents practicing certain water conservation efforts, such as installing water efficient appliances and landscaping, resulting in long-term water use reductions.



**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

<b>Elk Grove Water District Budgeted Revenue Accounts Detail For the Fiscal Year ending June 30, 2024</b>							
<u>Account#</u>	<u>Description</u>	<u>FY 19-20 Actual</u>	<u>FY 20-21 Actual</u>	<u>FY 21-22 Actual</u>	<u>FY 22-23 Budget</u>	<u>FY 22-23 Projected</u>	<u>FY 2023-24 Requested Budget</u>
4100	Water Payment Revenues - Residential	\$13,479,404	\$14,045,721	\$13,517,122	\$13,427,749	\$13,820,412	\$ 13,629,113
4110	Water Payment Revenues - Commercial	2,040,936	2,121,459	2,051,246	1,912,041	1,783,725	2,202,712
4120	Water Payment Revenues - Fire Service	196,357	196,456	204,588	205,595	215,031	235,379
4200	Meter Fees/Plan Check/Water Capacity	511,774	203,091	155,739	126,000	117,133	126,000
4201	Backflow Install EGWD	6,626	24,071	19,476	10,000	20,371	15,000
4202	Backflow Testing Fee	-	-	2,470	-	16,799	2,500
4300	Fire Protection	-	1,560	1,404	-	422	-
4520	Door Hanger Fees	106,400	-	45,800	115,000	112,478	115,000
4530	Meter Testing Fee	-	-	47	-	-	-
4540	New Account Fees	30,420	31,440	26,340	25,000	16,725	20,000
4550	NSF Fees	2,660	1,645	1,645	3,000	2,652	2,000
4560	Fees and Penalties	-	-	4,494	-	17,407	-
4570	Shut-off Fees	38,800	-	28,000	50,000	69,415	50,000
4580	Restoration Fees	-	-	225	-	135	-
4590	Credit Card Fees	6,050	-	-	-	-	-
4585	Admin Citations	300	1,282	1,115	-	595	-
4591	Release of Lien Fee	1,407	3,920	(1,620)	-	(731)	-
4700	Rental Income	-	34,546	16,668	-	-	-
4800	Other Income	-	-	1,154	-	793	-
4900	Customer Refunds	(2,763)	878	(45,596)	(1,000)	(26,148)	(1,000)
<b>Total Revenues</b>		<b>\$16,418,371</b>	<b>\$16,666,067</b>	<b>\$16,030,316</b>	<b>\$15,873,385</b>	<b>\$16,167,215</b>	<b>\$ 16,396,705</b>

# EXPENDITURE SECTION

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## BUDGETED EXPENDITURES BY CATEGORY



Note: Total Salaries and Benefits Expenditures are net of capitalized labor costs of \$435,189, which is included in total Capital Equipment and Expenditures.

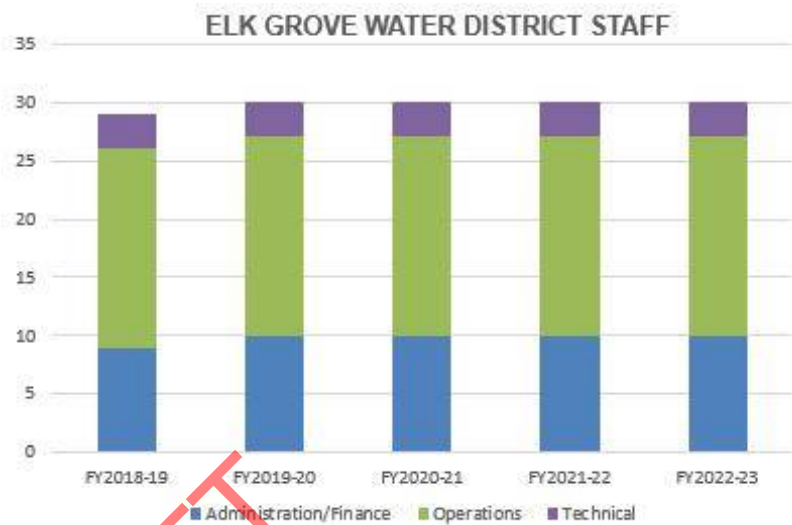
## TOTAL NET EXPENDITURES FISCAL YEARS 2019-20 THROUGH 2023-24



## SALARIES AND BENEFITS

### FISCAL YEARS 2019-20 THROUGH 2023-24

Aside from the cost of water purchased from the SCWA for the EGWD’s Service Area 2 and debt service payments, Salaries and Benefits represent the largest expense of the District. Staffing levels at the District has remained relatively unchanged with 11 FTE in Administration and Finance, 2 FTE in Technical Services and 17 FTE in Operations. In 2023, the District completed a compensation study, comparing the salaries and



benefits of the District to 10 other comparable agencies. The results of this study revealed that certain job classifications at the District were underpaid. Based on this, the District’s Board approved an update to the District’s salary schedule to reflect the results of the study. In addition to the update to the District’s salary schedule, the District’s Employee Policy Manual prescribes that annual Cost of Living Adjustments (COLAs) are made at the Board’s discretion and is based on the average of the All-Cities CPI – U, Western CPI – U, and San Francisco CPI – U indices. The COLA for FY 2023-24 is 4.67%.

#### **Pension and other Post-Employment benefits**

The District provides retirement benefits for its employees through a Public Agency Cost-Sharing Multiple-Employer Defined Benefit Pension Plan (Plan) administered by the California Public Employees Retirement System (CalPERS). Employees with at least 5 years of service are eligible to retire at age 55 with statutorily reduced benefits. In addition to the required employer contributions to the plan, the District currently contributes one percent of classic employees’ tax-deferred member contributions to the system while PEPR employees contribute their entire share of member contributions.

The District also provides post-employment healthcare benefits to retirees and their dependents. Six retired employees receive these benefits, which are financed on a pay-as-go basis. The District pays the medical, dental, and vision insurance premiums for eligible retired employees (and qualified spouse) that are enrolled in the health insurance plan. The current requirements for eligibility are: attaining age 55; having at least fifteen years of continuous service; and retiring from the District.

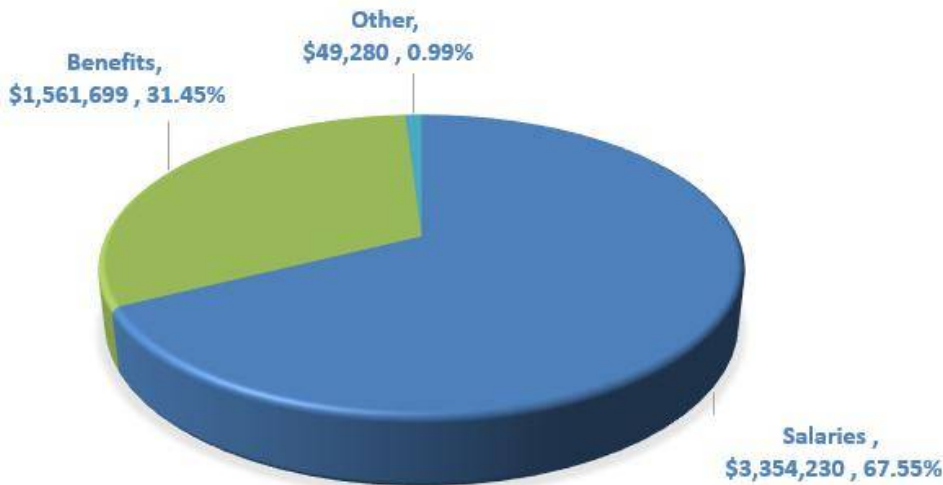
**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

The following tables show the trend in salaries and benefits in comparison to prior years, as well as the breakout of the current proposed budgeted salaries and related components.

**SALARIES AND BENEFITS**



**NET SALARIES AND BENEFITS \$4,965,209\***



The Other Expenditure Categories include:  
 ) Employee Training  
 ) Employee Recognition  
 ) Meetings

\*The total Salaries and Benefits are net of capitalized labor costs of \$435,189 for capital improvements constructed by the Distribution and Utility Departments.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**Elk Grove Water District  
Budgeted Salaries and Benefits Accounts Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 2023-24
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5100	Executive Salary	\$ 182,615	\$ 158,710	\$ 187,483	\$ 207,527	\$ 209,613	\$ 258,417
5110	Exempt Salaries	566,577	571,941	510,983	634,842	621,485	727,395
5120	Non-Exempt Salaries	1,365,198	1,626,875	1,623,296	1,957,845	1,821,501	2,231,561
5130	Overtime Compensation	33,784	26,986	34,810	45,000	31,244	45,000
5140	On Call Pay	23,446	24,864	30,940	31,025	31,025	31,025
5150	Holiday Pay	113,792	117,739	128,498	137,977	132,629	170,801
5160	Vacation Pay	184,761	56,922	185,785	161,804	190,410	188,579
5170	Personal Time Pay	91,616	238,090	129,164	118,715	123,042	136,641
5200	Medical Benefits	585,087	559,389	596,916	781,483	655,715	696,569
5195	EAP	928	807	816	874	871	911
5201	EGWD Contribution H.S.A	21,092	23,700	21,100	23,700	23,500	25,000
5210	Dental/Vision/Life Insurance	55,654	51,985	58,825	60,730	61,173	61,585
5220	Retirement Benefits	524,173	572,169	(2,568,235)	287,851	287,851	354,798
5225	Retirement Benefits - Post Employment	185,417	276,278	205,578	186,234	186,234	280,719
5230	Medical Tax, Social Security and SUI	49,764	52,174	51,342	67,060	55,720	73,318
5240	Worker's Compensation Insurance	85,222	88,506	85,606	96,600	57,702	68,799
5250	Education Assistance	-	-	-	2,500	-	2,500
5260	Employee Training	19,085	15,066	19,326	41,700	10,810	36,200
5270	Employee Recognition	2,383	2,385	1,542	2,880	8,220	2,880
5280	Meetings	847	-	-	1,200	-	7,700
	Less Capitalized Labor	(273,456)	(292,028)	(500,178)	(459,089)	(316,911)	(435,189)
		<u>\$3,817,985</u>	<u>\$4,172,556</u>	<u>\$ 803,597</u>	<u>\$4,388,457</u>	<u>\$4,191,833</u>	<u>\$ 4,965,209</u>

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## SEMINARS, CONVENTIONS AND TRAVEL FISCAL YEARS 2019-20 THROUGH 2023-24

Seminars, Conventions and Travel expenditures are budgeted based on the anticipated travel to and from various conferences and seminars. It is in the best interest of the District to invest in the employees to allow them to stay current and educated about activities, developments, and professional trends affecting their ability to provide high-quality job performance, which includes external and internal customer service.



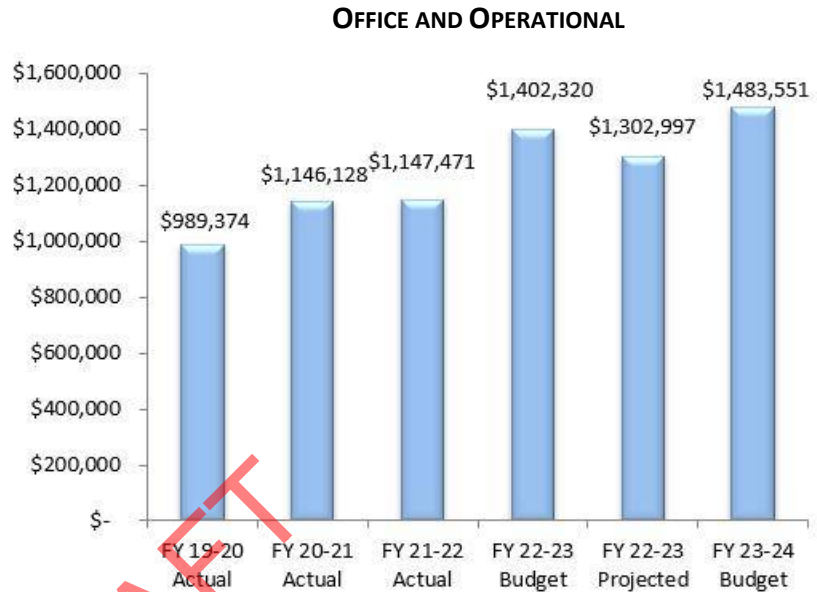
As such, travelling to attend hearings, meetings, conferences, or other gatherings is of value to the District. The two major conferences that District staff attend are the semi-annual Association of California Water Associations (ACWA) conferences and the annual California Society of Municipal Finance Officers (CSMFO) conference.

**Elk Grove Water District  
Budgeted Seminars, Conventions and Travel Accounts Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 2023-24
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5300	Airfare	\$ 2,928	\$ (39)	\$ 218	\$ 4,550	\$ 2,043	\$ 4,600
5310	Hotels	7,366	-	1,908	12,100	10,795	12,600
5320	Meals	2,741	1,094	908	5,638	4,814	6,790
5330	Auto Rental	63	(102)	156	1,500	-	1,300
5340	Seminars & Conferences	10,256	(300)	7,614	9,125	8,827	12,575
5350	Mileage Reimbursement, Parking, Tolls	989	(20)	155	1,480	1,035	1,830
5375	Auto Allowance	6,070	6,145	5,928	6,000	6,000	6,000
		<b>\$ 30,413</b>	<b>\$ 6,778</b>	<b>\$ 16,887</b>	<b>\$ 40,393</b>	<b>\$ 33,513</b>	<b>\$ 45,695</b>

## OFFICE AND OPERATIONAL AND PURCHASED WATER FISCAL YEARS 2019-20 THROUGH 2023-24

Office and Operational expenditures are budgeted to cover administrative costs such as insurance premiums, repairs and maintenance of equipment, buildings, and computers, purchases of chemicals for water treatment, postage, printing, and association dues. These costs allow the District to continue to operate and maintain the water system and to continue to provide water services to its ratepayers. As can be seen by the chart to the right, office and operational expenditures have remained relatively consistent from year to year and only expected to increase by approximately \$81,231 or 5.79% in FY 2023-24 as compared to the FY 2022-23 budgeted amount.



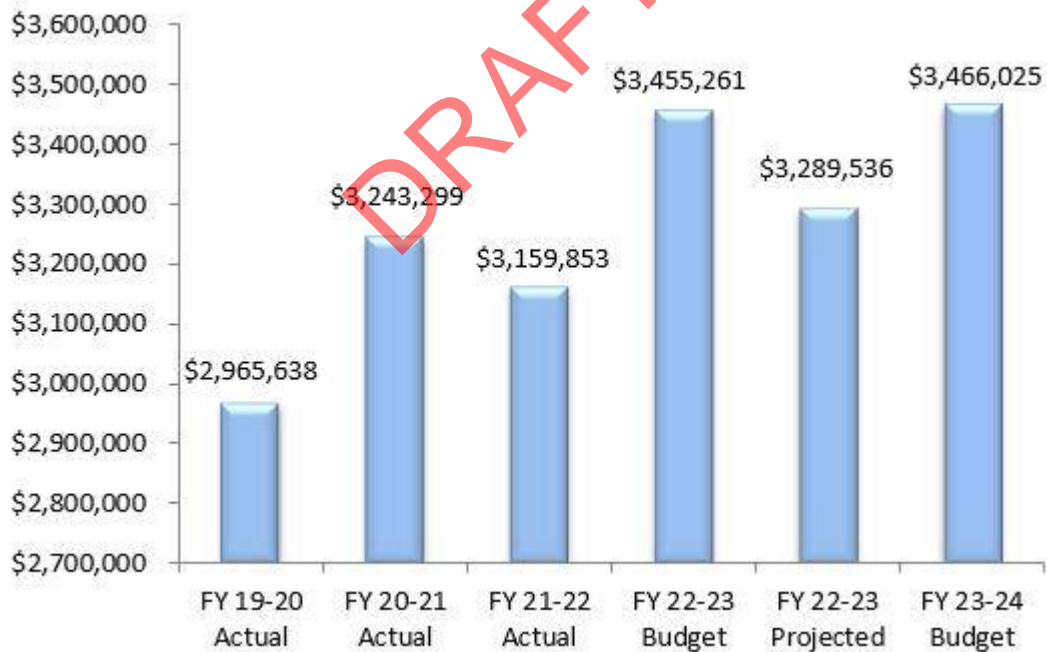
Through the First Amended and Restated Master Water Agreement between Sacramento County Water Agency and Florin Resource Conservation District/Elk Grove Water District, entered into on June 28<sup>th</sup>, 2002, the District has agreed to purchase, on a wholesale basis, potable water supply from the SCWA. The purchased water from the SCWA is used to supply the EGWD Service Area 2 ratepayers with their water source. Under the general terms of the agreement, the cost of the wholesale purchased water supply is based on a rate as determined by the actual cost of procurement, extraction, diversion, treatment, and conveyance of potable water actually delivered to the District. The table on the next page shows the trend in the wholesale purchase water rate for the last 10 years. The change in the wholesale purchase water rate is a direct correlation to the conservation efforts during the drought in FY 2013-14. As drought restrictions from FY 2013-16 resulted in less water delivered to the District but operational and maintenance costs continued to increase, there was an overall increase to the wholesale purchase water rate. When drought restrictions were lifted in FY 2016-17, the gradual increase in water consumption resulted in an increase of purchased water delivered to the District. This resulted in a decrease to the wholesale purchased water rate in FY 2017-18. As consumption trends start to normalize and operating costs continue to increase, the District expects the wholesale purchased water rate to gradually increase as well without the major swings experienced during the drought.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**WHOLESALE WATER RATE TREND**



**PURCHASED WATER COST**



The chart above shows the total annual purchased water costs since FY 2019-20. Purchased water cost has continued to increase slightly from year to year as drought restrictions have been lifted. For FY 2023-24, the District expects to see water consumption and delivery continue to increase slightly due to the continued residential development in the EGWD's Service Area 2.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**Elk Grove Water District  
Budgeted Office and Operational Accounts Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 2023-24
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5410	Advertising	\$ 5,200	\$ 15,660	\$ 14,404	\$ 17,200	\$ 11,592	\$ 17,200
5415	Association Dues	118,649	150,003	124,103	134,359	126,552	132,870
5420	Insurance	91,118	100,008	99,889	125,700	132,643	154,200
5425	Licenses, Certifications, Fees	8,304	4,530	4,843	3,800	4,548	3,650
5430	Repairs & Maintenance - Automotive	33,476	34,544	25,965	35,500	23,895	36,500
5432	Repairs & Maintenance - Building	45,258	46,975	62,492	84,820	69,175	93,520
5434	Repairs & Maintenance - Computers	20,927	4,422	12,500	20,650	29,555	21,650
5435	Repairs & Maintenance - Equipment	114,022	108,307	117,926	147,100	158,393	160,500
5438	Fuel	34,343	33,622	51,644	67,220	49,075	56,720
5440	Materials	12,239	180,257	105,295	95,000	168,902	163,150
5445	Chemicals	42,547	37,126	49,148	55,000	51,128	65,000
5450	Meter Repairs	129,363	123,132	60,523	136,000	88,890	100,000
5453	Permits	56,416	49,677	84,860	90,000	86,462	95,000
5455	Postage	60,709	61,230	64,535	77,275	76,576	82,325
5460	Printing	7,022	9,255	6,308	23,300	10,871	26,850
5465	Safety Equipment	19,620	9,771	8,496	25,000	12,498	18,000
5470	Software Programs & Updates	115,622	104,412	179,112	146,256	100,368	141,196
5475	Supplies	26,796	17,844	21,086	36,420	29,940	29,520
5480	Telephone	25,996	26,189	20,750	28,020	30,885	33,500
5485	Tools	7,857	12,709	15,083	15,000	16,393	19,500
5490	Clothing Allowance	2,713	3,809	6,501	7,700	7,700	7,700
5491	EGWD - Other Clothing	11,177	12,647	10,515	13,000	10,422	13,000
5493	Water Conservation Materials	-	-	1,494	18,000	6,535	12,000
		989,374	1,146,128	1,147,471	1,402,320	1,302,997	1,483,551
5495	Purchased Water	\$2,965,638	\$3,243,299	\$3,159,853	\$3,455,261	\$3,289,536	\$ 3,466,025

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**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## OUTSIDE SERVICES FISCAL YEARS 2019-20 THROUGH 2023-24

Outside Services expenditures consist mostly of professional services, such as banking services, engineering services, contracted services, pre-employment medical services and legal services. The District utilizes specialized outside service firms and professionals to assist in the development of various technical studies and projects. An example of such a technical study would be the use of a professional consulting firm to complete the 2024-2028 Water Rate and Connection Fee Study, setting forth the planned revenue rate increases for the next 5 years. The District expects outside services to remain relatively stable and consistent with prior year.



**Elk Grove Water District  
Budgeted Outside Services Accounts Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected	FY 2023-24 Requested Budget
5505	Administration Services	\$ 6,419	\$ 6,239	\$ 4,359	\$ 4,100	\$ 2,511	\$ 4,700
5510	Bank Charges	168,810	166,475	176,673	185,600	196,964	210,800
5515	Billing Services	20,869	24,328	21,377	25,500	27,563	25,500
5520	Contracted Services	351,356	479,176	482,605	504,410	539,301	449,866
5523	Water Conservation Services	-	-	-	-	-	-
5525	Accounting Services	28,514	26,960	27,444	30,000	30,000	30,000
5530	Engineering	174,660	96,828	55,825	50,000	5,494	50,000
5532	Special Projects	-	-	-	-	-	-
5535	Legal Services	94,361	63,310	33,919	145,000	19,974	220,000
5540	Financial Consultants	1,750	(955)	-	-	188	-
5545	Community Relations	7,650	0	1,131	10,700	1,544	5,200
5552	Misc. Medical	1,174	3,338	2,919	2,000	2,436	2,000
5550	Pre-employment	1,185	493	613	1,000	-	1,000
5555	Janitorial	14,753	26,874	22,356	21,200	19,125	22,200
5560	Bond Administration	5,770	7,890	3,500	7,050	5,773	6,550
5570	Security	21,691	20,916	23,571	31,972	31,044	32,308
5575	Sampling	40,494	37,003	23,037	58,500	26,889	50,000
		<u>\$ 939,456</u>	<u>\$ 958,876</u>	<u>\$ 879,328</u>	<u>\$1,077,032</u>	<u>\$ 908,806</u>	<u>\$ 1,110,124</u>

## EQUIPMENT RENT, TAXES AND UTILITIES FISCAL YEARS 2019-20 THROUGH 2023-24

Equipment Rent, Taxes and Utilities are budgeted to cover the cost of utilities to extract, treat and pump the water supply to ratepayers. With the rising cost for most utilities and the expected gradual increase in water consumption, the District is expecting to see an increase in this expenditure category. However, to assist in improving or maintaining operational efficiencies and keep operating costs low, the District has installed a series of variable frequency drives (VFD) on the booster pumps that deliver treated drinking water to our customers. The VFD provides energy savings by matching pump motor load to the work needed for water delivery instead of always running the pump at peak load. The District also has an ongoing well rehabilitation program where it monitors the efficiencies of each water well. Over time, well screens plug up, making well pumping operations inefficient. The District rehabilitates its water wells when certain inefficient thresholds are reached, thereby returning the wells to efficient operations.



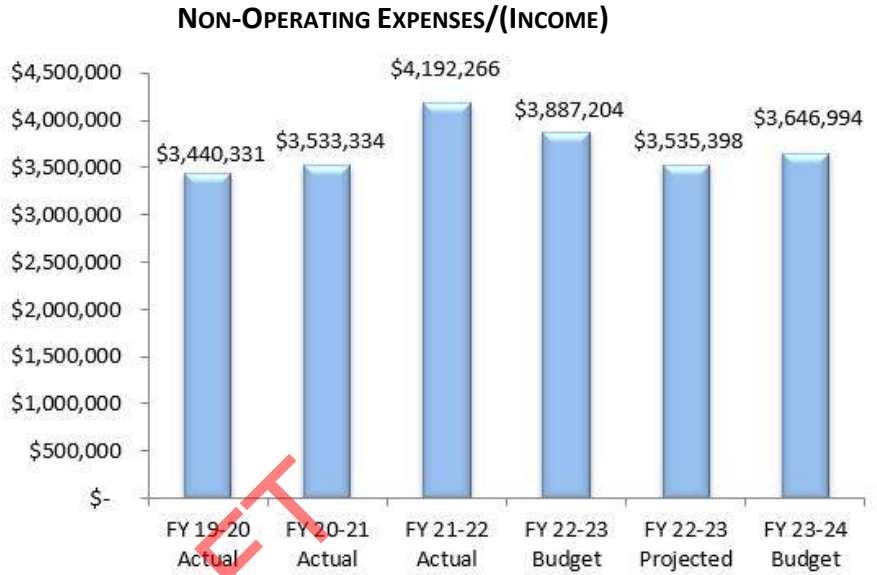
**Elk Grove Water District**  
**Budgeted Rents, Taxes and Utilities Accounts Detail**  
**For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected	FY 2023-24 Requested Budget
5610	Occupancy	\$ -	\$ 17,000	\$ 72,000	\$ 6,000	\$ 18,000	\$ -
5620	Equipment Rental	21,236	23,727	33,803	30,074	39,513	32,600
5710	Property Taxes	995	967	2,918	4,000	3,277	4,000
5740	Electricity	402,747	409,242	360,247	410,200	516,148	510,800
5750	Natural Gas	725	903	1,352	2,000	5,237	6,000
5760	Sewer & Garbage	32,748	47,928	49,972	47,400	51,329	45,800
		<u>\$ 458,451</u>	<u>\$ 499,767</u>	<u>\$ 520,293</u>	<u>\$ 499,674</u>	<u>\$ 633,503</u>	<u>\$ 599,200</u>

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## NON-OPERATING EXPENSES (REVENUES) FISCAL YEARS 2019-20 THROUGH 2023-24

Non-Operating Expenditures /(Revenues) account for debt service interest and principal payments, elections costs and any interest earned on investments. The District anticipates receiving approximately \$215,000 from the City of Elk Grove through the American Rescue Plan Act for certain watermain improvements projects in FY 2024. The District does not anticipate any elections costs for FY 2024. The District expects all future non-operating (income)/expenses to be consistent.



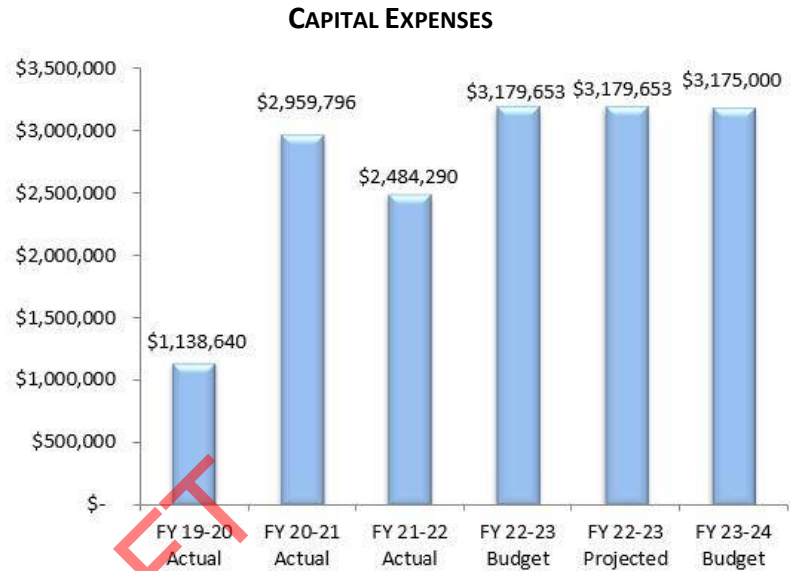
**Elk Grove Water District  
Budgeted Non Operating Activity Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20	FY 20-21	FY 21-22	FY 22-23	FY 22-23	FY 2023-24
		Actual	Actual	Actual	Budget	Projected	Requested Budget
2500	Bond Retirement	\$2,165,000	\$2,300,000	\$2,440,000	\$ 2,560,000	\$ 2,560,000	\$ 2,675,000
7300	Debt Service (Bond Interest Expense)	1,627,405	1,466,868	1,442,499	1,323,204	1,323,204	1,211,994
9700	Capital Grants	-	-	-	(221,000)	(221,000)	(215,000)
9920	Other Expenses (Income)	(40,580)	(165,572)	(24,998)	-	-	-
9910	Interest Earned	(221,048)	(88,328)	(56,182)	(25,000)	(57,990)	(25,000)
9911	Unrealized Gains and Losses	(90,446)	18,479	390,948	-	(70,703)	-
9950	Election Costs	-	1,887	-	250,000	1,887	-
		<u>\$3,440,331</u>	<u>\$3,533,334</u>	<u>\$4,192,266</u>	<u>\$ 3,887,204</u>	<u>\$ 3,535,398</u>	<u>\$ 3,646,994</u>

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## CAPITAL EXPENSES FISCAL YEARS 2019-20 THROUGH 2023-24

Fiscal year 2023-24 Capital Expenses consist of funding for Repair & Replacement and Long-term Capital Improvement based on the District 5-year Capital Improvement Plan (FY 2024-28 CIP). The CIP is developed by staff in parallel to the budget and is a key component of the District's Strategic Plan. Annually, Staff will meet to review the District's Asset Management Program (AMP) to identify the District's infrastructure and assets that are due for replacement or improvements. These projects are then rated in terms of priority, with 1 being high priority and 4 being low priority. The scoring determines the projects to be included in the District's CIP for the subsequent year. Each project is defined in the CIP and summarized by a brief description and justification and is detailed by location, timing, expense schedule, funding source, useful life, and impact on operating costs. Before the CIP is completed, it is reviewed to ensure the financial elements are consistent with the District's financial policies. Since all of the District's capital projects are deemed to be nonrecurring, the affect the projects will have on the operating budget will be an overall decrease in repair and maintenance costs as aged assets are replaced with new assets.



**Elk Grove Water District  
Budgeted Capital Expenses Detail  
For the Fiscal Year ending June 30, 2024**

Account#	Description	FY 19-20 Actual	FY 20-21 Actual	FY 21-22 Actual	FY 22-23 Budget	FY 22-23 Projected	FY 2023-24 Requested Budget
3560	Repair & Replacement Reserve	\$ 778,658	\$2,340,867	\$1,869,360	\$ 1,648,000	\$ 1,648,000	\$ 2,335,000
3565	L-T Capital Improvement Reserve	359,981	618,929	614,930	1,531,653	1,531,653	840,000
		<u>\$1,138,640</u>	<u>\$2,959,796</u>	<u>\$2,484,290</u>	<u>\$ 3,179,653</u>	<u>\$ 3,179,653</u>	<u>\$ 3,175,000</u>

The principle sources of revenue for the District come from water usage charges and developer connections fees. These revenues are organized into four fund sources: 1) unrestricted reserves; 2) capital improvements; 3) capital repairs/replacements; and 4) elections and special studies. The CIP allocates the use of funds related only to capital improvements and capital repairs/replacements. The District's current approach to capital

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

funding is pay-as-you-go. Water rates have been developed to ensure that revenue requirements cover operating expenses, capital expenses and debt service costs. The table below summarizes the District's 5-year capital expenses included in the FY 2024-28 CIP (amounts in 000's).

FUND	FY23/24	FY24/25	FY25/26	FY 26/27	FY 27/28	Total
<b>CAPITAL IMPROVEMENT FUNDS</b>						
Supply/Distribution Improvements	329	1,167	1,125	1,160	4,845	8,626
Treatment Improvements	20	-	-	-	-	20
Building & Site Improvements/Vehicles	441	229	112	168	191	1,141
SUB-TOTAL	790	1,396	1,237	1,328	5,036	9,787
<b>CAPITAL REPAIR/REPLACEMENT FUNDS</b>						
Supply/Distribution Improvements	1,465	1,377	1,506	1,456	1,317	7,121
Treatment Improvements	175	210	112	116	116	729
Building & Site Improvements/Vehicles	645	172	95	-	30	942
SUB-TOTAL	2,285	1,759	1,713	1,572	1,463	8,792
<b>UNFORESEEN CAPITAL PROJECT FUNDS</b>						
Unforeseen Capital Projects	100	100	100	100	100	500
SUB-TOTAL	100	100	100	100	100	500
TOTAL	3,175	3,255	3,050	3,000	6,599	19,079

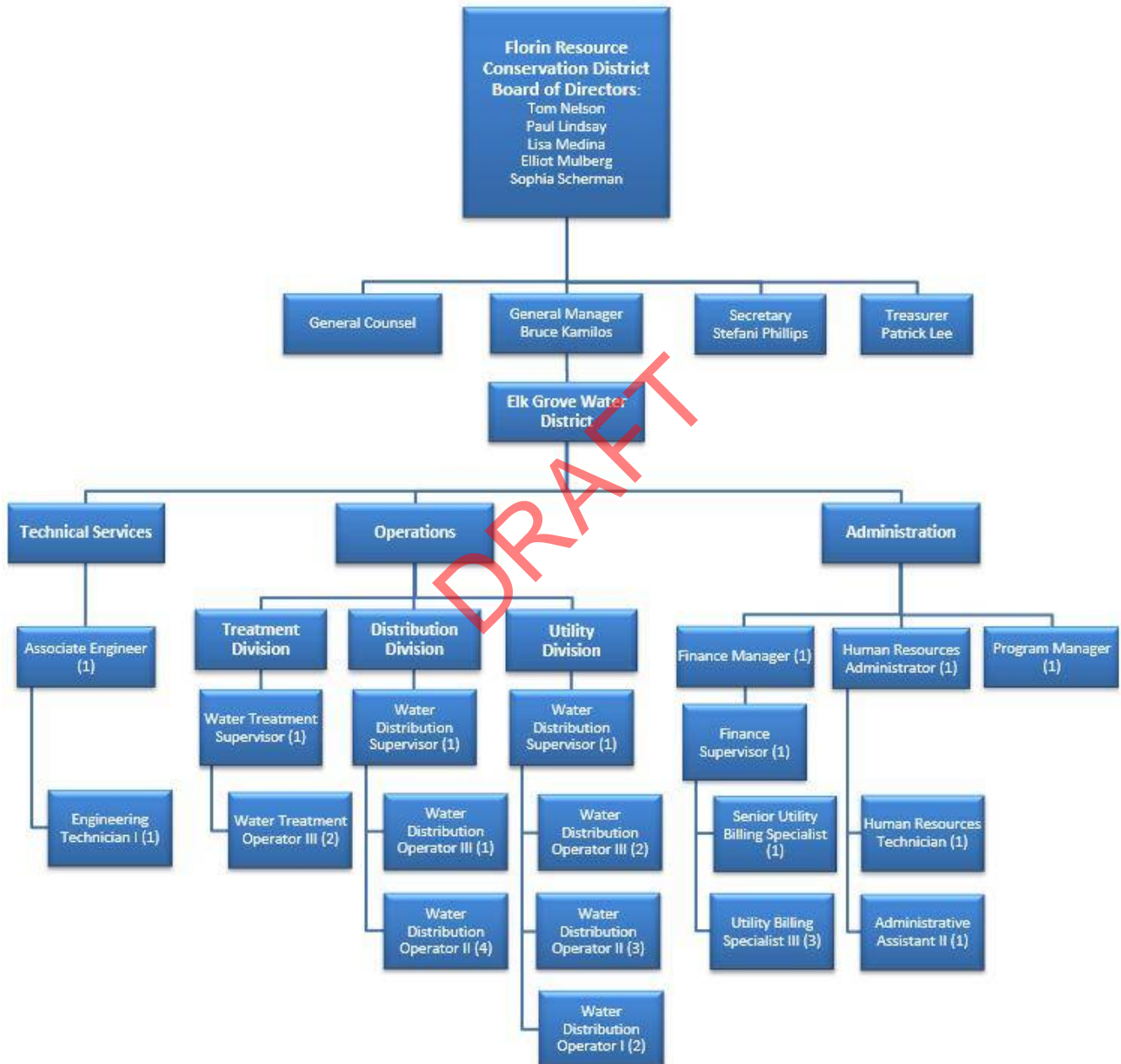
In addition, below is a listing of the specific capital projects budgeted for in FY 2024 (amounts in 000's):

Priority	PROJECT NAME	FY23/24
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>		
1	Well Rehabilitation Program	84
1	Derr St. Water Main Looping	152
1	School St./Locust Water Main	394
1	Locust St./Elk Grove Blvd Alley Water Main**	356
2	Locust/Summit Alley Water Main****	505
2	Locust St./Elk Grove Blvd. Water Main Looping	77
3	Bond Rd. Water Main Relocation Project	126
4	Transmission Main Brinkman Ct. (Cost Share)	100
<b>TREATMENT IMPROVEMENTS</b>		
1	Dosing Pumps & ChlorTec System Installation	150
2	Storage Tank Coating Repairs	25
3	Chlorine Analyzers Shallow Wells	20
<b>BUILDING &amp; SITE IMPROVEMENTS / VEHICLES</b>		
1	Trench Plate Purchase	130
2	Backhoe Loader	210
3	Truck Mounted Compressor	35
3	Truck Replacements ****	66
3	Administration Bldg. Drainage Improvements	95
3	ERP System	520
4	Plotter for Tech. Services	10
4	Admin. Storage Bld. Improvements	20
<b>UNFORESEEN CAPITAL PROJECTS</b>		
	Unforeseen Capital Projects	100
<b>TOTAL CAPITAL IMPROVEMENT BUDGET</b>		<b>3,175</b>
**	Project to receive \$215K of American Rescue Plan Act Funds	
***	Project includes potential 50% match grant funding	
****	Carry over projects from FY 22/23	

# ORGANIZATIONAL SUMMARY

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## ELK GROVE WATER DISTRICT ORGANIZATION CHART



**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## ELK GROVE WATER DISTRICT STAFF FTE

	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24
<b>Administration &amp; Finance</b>					
General Manager	1.00	1.00	1.00	1.00	1.00
Finance Manager	1.00	1.00	1.00	1.00	1.00
Program Manager	1.00	1.00	1.00	1.00	1.00
Human Resources Administrator	1.00	1.00	1.00	1.00	1.00
Human Resources Technician	-	-	-	1.00	1.00
Administrative Assistant II	2.00	2.00	2.00	1.00	1.00
Finance Supervisor	1.00	1.00	1.00	1.00	1.00
Senior Utility Billing Specialist	1.00	1.00	1.00	1.00	1.00
Utility Billing Specialist III	2.00	2.00	2.00	3.00	3.00
Customer Service Specialist II	1.00	1.00	1.00	-	-
<b>Department Total</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>	<b>11.00</b>
<b>Technical Services</b>					
Assistant General Manager	1.00	1.00	-	-	-
Associate Engineer	-	-	1.00	1.00	1.00
Engineering Technician I	-	-	1.00	1.00	1.00
GIS Technician II	1.00	1.00	-	-	-
<b>Department Total</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>
<b>Operations</b>					
Supervisors	3.00	3.00	3.00	3.00	3.00
Water Distribution Operator in Training	1.00	3.00	2.00	-	-
Water Distribution Operator I	4.00	1.00	2.00	2.00	2.00
Water Distribution Operator II	6.00	6.00	6.00	6.00	6.00
Water Distribution Operator III	1.00	2.00	2.00	4.00	4.00
Water Treatment Operator II	1.00	1.00	1.00	-	-
Water Treatment Operator III	1.00	1.00	1.00	2.00	2.00
<b>Departmental Total</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>	<b>17.00</b>
<b>Organizational Total</b>	<b>30.00</b>	<b>30.00</b>	<b>30.00</b>	<b>30.00</b>	<b>30.00</b>



**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## JURISDICTIONAL COMPARISON

District	Elk Grove Water District (EGWD)	Carmichael Water District	San Juan Water District
<b>Year Established</b>	1953	1916	1854
<b>Governed By</b>	Board of Directors	Board of Directors	Board of Directors
<b>Size</b>	13 sq miles	8 sq miles	17 sq miles
<b>Number of Connections</b>	13,000	11,947	10,700
<b>Number of Customers</b>	47,000	38,000	29,712
<b>Budget Comparison - Fiscal Year Basis</b>	July-June	July-June	July-June
Revenues - FY 2022-23 Budget			
Retail Water Sales	\$ 15,545,385	\$ 13,871,000	\$ 15,114,200
Other Revenues	328,000	3,314,062	6,702,300
<b>TOTAL REVENUE BUDGET</b>	<b>\$ 15,873,385</b>	<b>\$ 17,185,062</b>	<b>\$ 21,816,500</b>
Expenditures - FY 2022-23 Budget			
Personnel Costs	\$ 4,388,457	\$ 3,999,000	\$ 5,730,600
Operating Costs	6,474,680	4,881,869	3,134,800
Non-Operating Costs	3,845,099	4,044,705	4,724,300
<b>EXPENDITURE BUDGET</b>	<b>\$ 14,708,236</b>	<b>\$ 12,925,574</b>	<b>\$ 13,589,700</b>
<b>CAPITAL BUDGET</b>	<b>\$ 3,179,653</b>	<b>\$ 8,663,444</b>	<b>\$ 13,682,100</b>
<b>TOTAL EXPENDITURE BUDGET</b>	<b>\$ 17,887,889</b>	<b>\$ 21,589,018</b>	<b>\$ 27,271,800</b>
<b>REVENUES IN EXCESS OF EXPENDITURES</b>	<b>\$ (2,014,504)</b>	<b>\$ (4,403,956)</b>	<b>\$ (5,455,300)</b>
<b>OUTSTANDING DEBT</b>	<b>\$ 35,170,000</b>	<b>\$ 32,285,000</b>	<b>\$ 12,273,878</b>
<b>FTE</b>	<b>30</b>	<b>30</b>	<b>49</b>

Note: The information above is based on FY 2022-23 approved budgets for each District. Both the Carmichael and San Juan Water Districts generate revenue from sources other than retail water sales. For comparison purposes, revenues reflected above include only the portion applicable to retail water sales and expenditures reflect total expenditure for all operations, not just retail water sales.

# DEPARTMENTAL BUDGET SUMMARIES

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**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

## EXPENSES BY DEPARTMENTS

**Elk Grove Water District  
Summary by Departments  
For the Fiscal Year ending June 30, 2024**

Expenditure	Operations	Technical Services	General Manager	Human Resources	Program Manager	Finance	Admin	Total Budget
Revenues								\$16,396,705
Salaries and Benefits	\$2,780,328	\$258,539	\$355,481	\$482,875	\$204,533	\$1,031,422	\$ 287,219	\$ 5,400,398
Seminars, Conventions and Travel	2,780	4,603	21,837	5,782	4,432	6,261	-	45,695
Office and Operational	852,680	52,029	311	8,000	54,370	74,682	441,479	1,483,551
Purchased Water	3,466,025	-	-	-	-	-	-	3,466,025
Outside Services	156,000	50,000	221,200	13,400	39,500	55,800	574,224	1,110,124
Equipment Rent, Taxes and Utilities	553,000	-	-	-	3,600	-	42,600	599,200
Subtotal Operational Expenditures	7,810,814	365,170	598,829	510,057	306,435	1,168,165	1,345,522	12,104,993
Less: Capitalized Labor	(522,981) *	-	-	-	-	-	-	(522,981)
Total Operational Expenses	7,287,833	365,170	598,829	510,057	306,435	1,168,165	1,345,522	11,582,012
Non-Operating Expenditures (Income)	-	-	-	-	-	-	3,646,994	3,646,994
Capital Equipment and Expenditures	-	-	-	-	-	-	3,175,000	3,175,000
Total Net Expenditures	\$7,287,833	\$365,170	\$598,829	\$510,057	\$306,435	\$1,168,165	\$ 8,167,516	\$18,404,006
Transfers (to)/from reserves								2,095,093
Revenues In Excess of Expenditures, Principal Retirement and Capital Expenditures								\$ -

\* This represents approximately 60% of salaries and benefits of the Utility Division which will be charged to Capital Projects.

## SUMMARY BY DEPARTMENTS

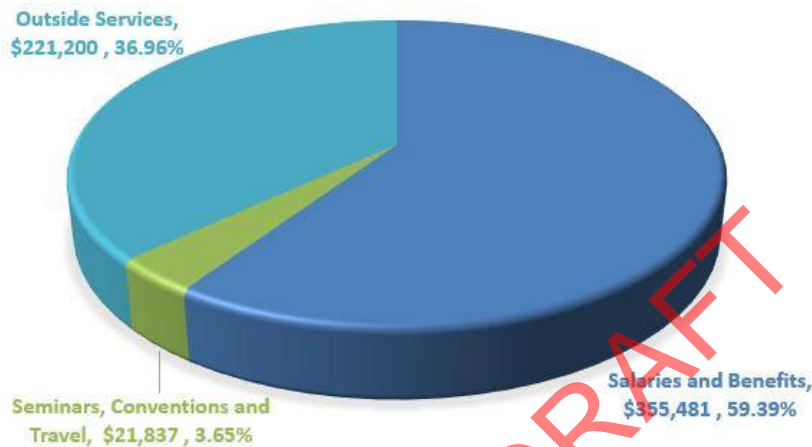


## OFFICE OF THE GENERAL MANAGER

The General Manager superintends the District, ensuring that the policies and directives of the Board of Directors are carried out as assigned. The General Manager leads the entire staff with a subset of managers informally called the Leadership Team.



### FY 2023-24 GENERAL MANAGER EXPENDITURES



### FY 2022-23 ACCOMPLISHMENTS

- ) Completed the District's new Administration Building on time and under budget.
- ) Completed a Water Rate Study to develop water rates for calendar years 2024-28.
- ) Engaged a Community Advisory Committee of 10 customers to help guide the Water Rate Study.
- ) Conducted an independent District-wide compensation study.
- ) Established and implemented a District-wide Exceptional Customer Service Program.
- ) Explored groundwater sustainability projects through partnerships.
- ) Developed a Well Replacement plan based on the findings of the Well Siting and Design Study.
- ) Proactively managed water conservation in our District.

### FY 2023-24 GOALS AND OBJECTIVES

#### GENERAL OBJECTIVES

- ) Provide leadership to ensure that the District overall mission and values are accomplished.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

- ) Provide the Board of Directors with timely support and information.
- ) Ensure that all water facilities and programs are operated in compliance with all applicable standards.
- ) Promote continued innovation and creativity in providing services in a more effective and cost-efficient manner.
- ) Maintain effective long-term financial and operational plans.
- ) Implement sound fiscal policies, budgets, and controls.
- ) Maintain effective coordination, cooperation, and communication with local governments, State and Federal agencies and continue involvement in civic, professional and community affairs.
- ) Motivate employees and encourage teamwork throughout the organization.

**Specific Key Objectives**

- ) Implement an upgrade to the District’s financial and enterprise asset management system.
- ) Improve the customer’s ability to manage their accounts online.
- ) Retain a new District General Counsel.
- ) Complete an update to the District’s Employee Policy Manual.
- ) Review the District’s contribution to employee medical premiums.
- ) Complete unidirectional flushing of Service Area 1.
- ) Apply for an Advanced Metering Infrastructure (AMI) grant.
- ) Pursue groundwater recharge projects that benefit the EGWD ratepayers

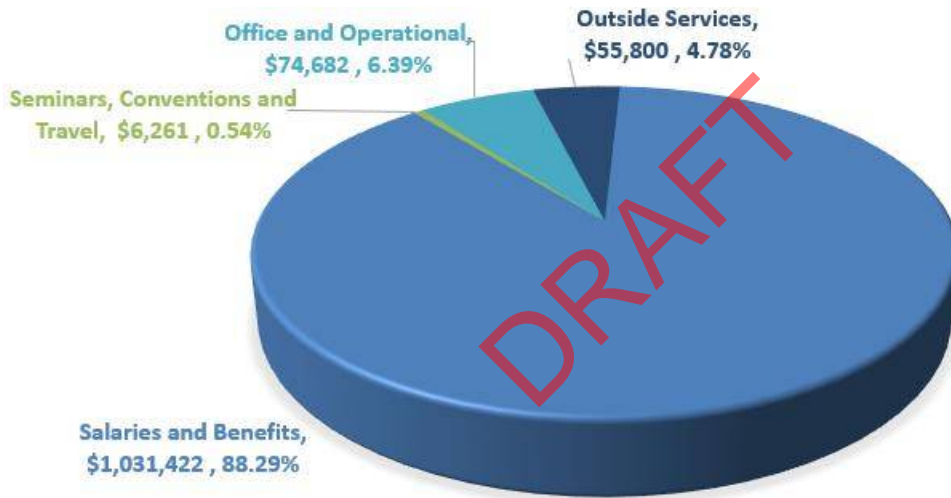
**FY 2023-24 PERFORMANCE MEASURES**

MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i># OF EMPLOYEE CHECK-IN SESSIONS</i>	30	36	48	36
<i># OF BOARD MEMBER CHECK-IN SESSIONS</i>	16	18	18	18
<i># OF ON-SITE DISTRICT JOB VISITS</i>	26	39	41	39
<i># OF CITY COORDINATED MEETINGS</i>	3	3	3	4
<i># OF OUTSIDE AGENCY COORDINATION MEEINGS</i>	12	12	36	24

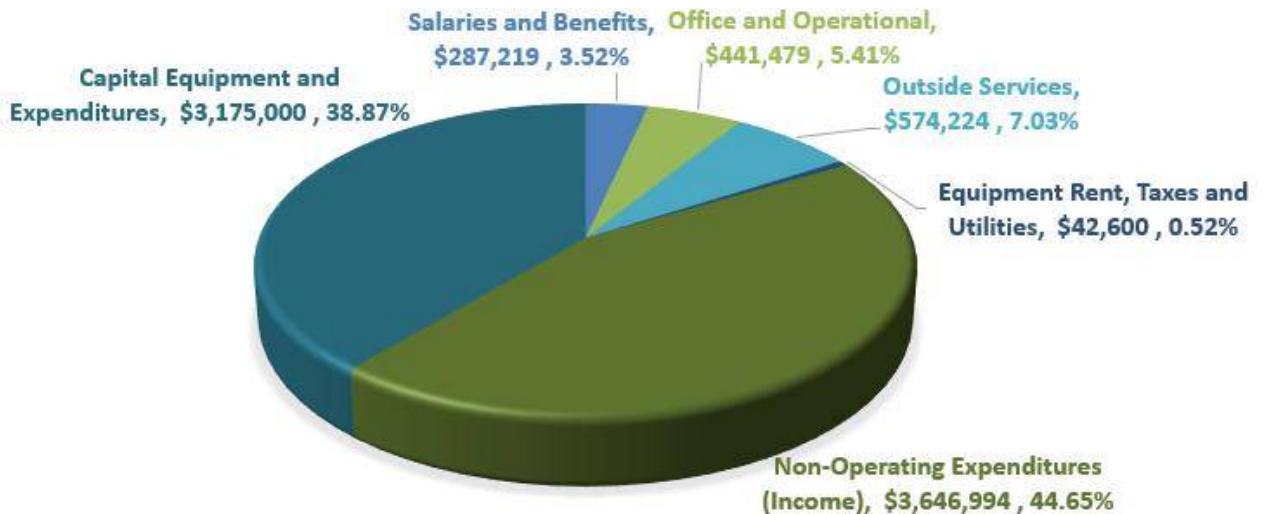
## FINANCE AND ADMINISTRATIVE

The Finance Department is responsible for maintaining fiscal stability in a manner consistent with generally accepted accounting principles and statutory requirements. Included in the Financial Department’s duties are: customer service, accounts payable, billing and accounts receivable, general ledger maintenance, capital assets records, investment activity, accounting, budget development and monitoring, development of cash flow models, debt service, revenue and expenditure forecasting, payroll, financial reporting and coordination with external financial audits. Finance also oversees the general and administrative functions of the District and its administrative building, including purchasing/procurement management, risk management, equipment rent, supplies and building maintenance.

**FY 2023-24 FINANCE EXPENDITURES**



**FY 2023-24 ADMINISTRATIVE EXPENDITURES**

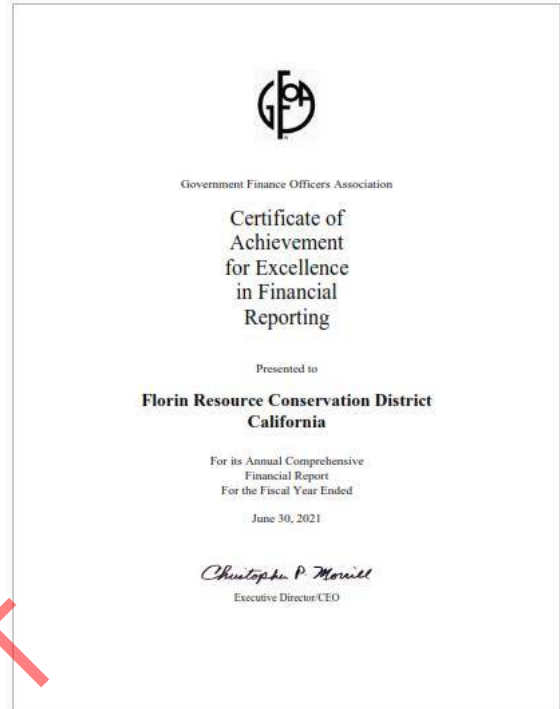


**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**FY 2022-23 ACCOMPLISHMENTS**

- ) Completed a water rate and connection fee study to develop water rates for calendar year 2024-2028.
- ) Completed a cost and feasibility analysis for outsourcing customer payments through lockbox.
- ) Completed the implementation and rollout of the electronic timecard.
- ) Implemented process improvements to the District's shutoff process, including the ability to turn on water services after hours and on weekends.
- ) Implemented Express Payment Portal to provide customers with additional payment options.
- ) Completed an updated cost assessment to determine the financial viability of implementing a new Enterprise Resource Planning system in FY 2023-24.
- ) Completed the implementation of customer ACH draft payments through the use of debit and credit cards.
- ) Completed the implementation of a new fuel card program to provide District staff with a reliable fuel source while maintaining proper internal controls to mitigate the risk of fraud or misappropriation of District assets.
- ) Achieved the GFOA Certificate of Excellence in Financial Reporting for the 14<sup>th</sup> consecutive year.
- ) Achieved the GFOA Distinguished Budget Presentation Award for the 4th consecutive year.



**FY 2023-24 GOALS AND OBJECTIVES**

- ) Complete the re-certification of the District for the Special District Leadership Foundation District Transparency Certificate of Excellence.
- ) Complete the solicitation for and implementation of a new Enterprise Resources Planning (ERP) system for the District.
- ) Develop standard operating procedures (SOP's) covering the payroll process and accounts payable process.
- ) Complete a cost and feasibility analysis on the implementation of electronic imaging and filing of accounts payable invoices.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**FY 2023-24 PERFORMANCE MEASURES**

<b>MEASURE</b>	<b>2022 ACTUAL</b>	<b>2023 TARGET</b>	<b>2023 ESTIMATE</b>	<b>2024 TARGET</b>
<i># OF ACCOUNTS PAYABLE CHECKS ISSUED</i>	2099	2200	2106	2200
<i># OF PAYROLLS COMPLETED ON TIME</i>	26	26	26	26
<i># OF NEW ACCOUNTS OPENED</i>	981	900	684	800
<i># OF CUSTOMER REFUNDS ISSUED</i>	568	600	587	600
<i># OF CUSTOMERS RECEIVING PAPERLESS BILLS</i>	2302	2725	2721	2961

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## HUMAN RESOURCES

The Human Resource Department is responsible for handling confidential personnel matters, including recruitment, hiring, training and development, policy development and compliance and employee benefits. The Human Resources Department makes certain that employee matters are handled fairly, equitably and without discrimination according to District policies and state and federal regulations.



FY 2023-24 HUMAN RESOURCE EXPENDITURES



### FY 2022-23 ACCOMPLISHMENTS

- ) Facilitated Administration and Technical Services Divisions move to the new administration building.
- ) Orchestrated a grand opening for the new administration building.
- ) Completed the independent District-wide salary and compensation study.
- ) Implemented the HRMS Employee Self-Service portal.
- ) Developed standard operating procedures for Board Secretary and Human Resources duties.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**FY 2023-24 GOALS AND OBJECTIVES**

- ) Complete an update to the District’s Employee Policy Manual.
- ) Review the District’s contribution to employee medical premiums.
- ) Develop a plan to convert to a digital hiring process and on-boarding.
- ) Convert personnel documentation to digital format where possible.
- ) Cross-train within the Human Resources Department.
- ) Develop standard operating procedures for Board Secretary and Human Resources duties.
- ) Complete the review of staffing requirements and conduct the recruitment of qualified candidates for vacant positions.

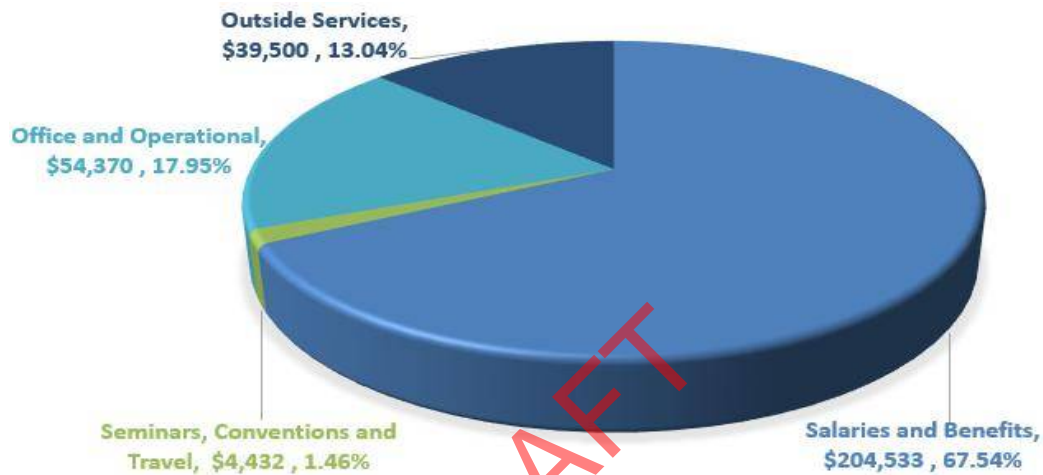
**FY 2023-24 PERFORMANCE MEASURES**

MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i># OF BOARD/COMMITTEE MEETINGS SCHEDULED</i>	16	20	18	16
<i># OF STAFF REPORTS REVIEWED</i>	168	220	170	175
<i># OF BOARD/COMMITTEE PACKETS ASSEMBLED</i>	15	25	16	17
<i># OF FORM 700 RECEIVED AND FILED</i>	17	15	15	15
<i># BOARD MEMBER ORIENTATION</i>	0	3	0	3
<i># BOARD MEMBERS PARTICIPATED IN REQUIRED TRAINING</i>	5	5	5	5
<i># PUBLIC RECORD REQUESTS RESPONDED TO</i>	1	2	1	2
<i># OF RECRUITMENTS CONDUCTED</i>	4	1	0	1
<i># NEW EMPLOYEES HIRED</i>	2	1	0	1
<i># EMPLOYEE ON-BOARDING AND ORIENTATIONS CONDUCTED</i>	2	1	0	1
<i># EMPLOYEES PROMOTED</i>	1	5	2	4
<i># EMPLOYEE REQUIRED TRAINING SESSIONS</i>	2	0	2	0
<i># EMPLOYEES PARTICIPATED IN WELLNESS PROGRAM</i>	10	13	0	13

## PROGRAM MANAGER

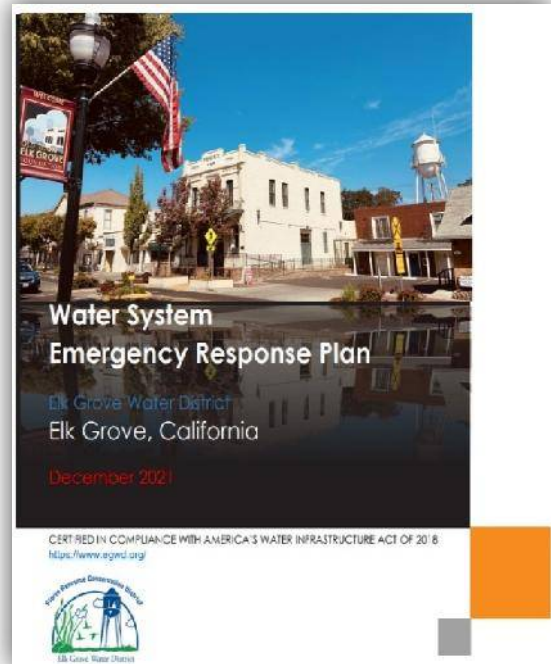
The Program Manager manages special programs and projects as assigned by the General Manager, including water conservation, safety, legislative tracking and lobbying, grant acquisition, and public information and outreach.

### FY 2023-24 PROGRAM MANAGER EXPENDITURES



### FY 2022-23 ACCOMPLISHMENTS

- ) Led the District-wide Exceptional Customer Service Program.
- ) Upgraded the District's Asset Management Program software.
- ) Facilitated an emergency response plan tabletop exercise involving a major transmission main leak.
- ) Continued performing customer outreach to achieve water conservation in alignment with State goals.
- ) Maintained a comprehensive safety program designed to reduce risk and comply with all regulatory requirements.
- ) Coordinated ride along and field visits for District administration staff.
- ) Updated District water demand model.
- ) Refreshed the District's lock out/tag out safety program.



**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**FY 2023-24 GOALS AND OBJECTIVES**

- ) Track and monitor State Water Resource Control Board Conservation Regulations and ensure District compliance with targets.
- ) Continue the District-wide Exceptional Customer Service Program.
- ) Coordinate with RWA on regional water education program.
- ) Track and monitor legislation that may impact District operations in coordination with CSDA, RWA and ACWA.
- ) Submit a WaterSMART grant application for Advanced Metering Infrastructure (AMI).
- ) Update District website to include staff profiles.

**FY 2023-24 PERFORMANCE MEASURES**

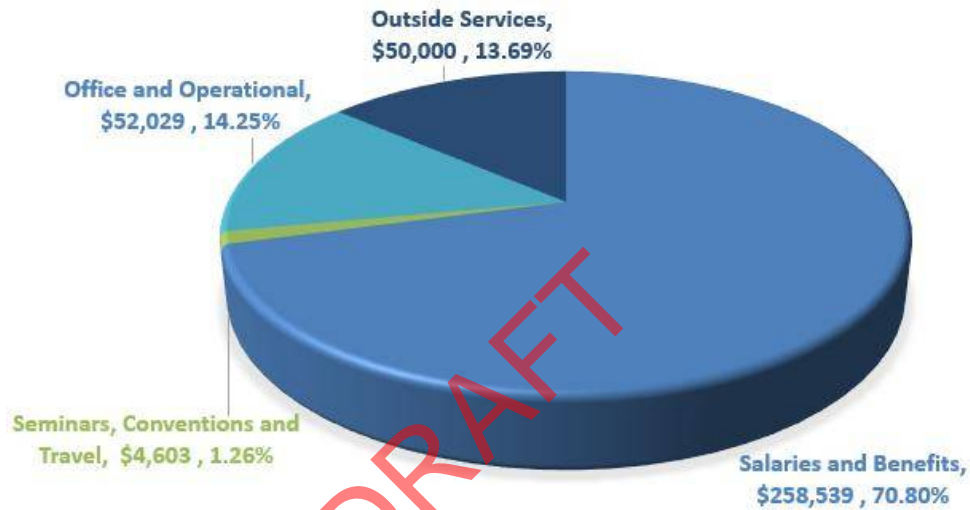
MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i># OF SAFETY MEETINGS</i>	22	26	30	26
<i># OF WATER DROP NEWSLETTERS PUBLISHED</i>	3	3	3	3
<i>NUMBER OF BILL INSERTS DISTRIBUTED</i>	7	6	6	6

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## TECHNICAL SERVICES

The Technical Services Department provides planning, engineering, construction management, Operations technical support, and district-wide geographic information system (GIS) services. Technical Services Department is also responsible for developing and administering the District’s capital improvement program.

**FY 2023-24 TECHNICAL SERVICES EXPENDITURES**



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### FY 2022-23 ACCOMPLISHMENTS

- ) Completed approximately 85 percent of the CIP projects identified in the FY 2022-23 CIP budget.
- ) Improved GIS mapping products to improve field staff efficiency in accessing record drawings while in the field.
- ) Continued updating the District’s Standard Construction Detail Drawings.
- ) Developed digital well checking program and informational web-tools utilizing GIS software applications, improving field staff efficiency.
- ) Re-organized commercial meter reading route to make more efficient use of operators’ time when reading the route.

FY 2023-27  
CAPITAL IMPROVEMENT PROGRAM

**BOARD OF DIRECTORS**

Sophia Scherman, Chair

Tom Nelson, Vice Chair	Lisa Medina, Director
Paul Lindsay, Director	Elliot Mulberg, Director

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**FY 2023-24 GOALS AND OBJECTIVES**

- ) Perform the technical work behind the District’s capital improvement program.
- ) Develop improvement plans for the District’s water main replacement program.
- ) Finalize the District’s standard construction Detail drawings and the District’s Standard Construction Specifications.
- ) Develop a transmission main valve exercising plan.
- ) Complete a risk assessment of water system infrastructure serving and adjacent to critical facilities (schools, hospitals, etc.)
- ) Facilitate unidirectional flushing operations.
- ) Represent the District’s interest with developer-installed water system infrastructure.

**FY 2023-24 PERFORMANCE MEASURES**

MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i>% OF PROJECTS COMPLETED IN ANNUAL CIP</i>	85%	100%	90%	100%
<i>% OF PROJECTS COMPLETED UNDER BUDGET</i>	50%	100%	80%	100%
<i>% OF SUCCESSFUL RESPONSES TO OUTSIDE INFORMATION REQUESTS</i>	100%	100%	100%	100%
<i># OF MONTHLY OPERATIONS REPORTS COMPLETED ON TIME</i>	12	12	12	12

## INFORMATION TECHNOLOGY

The District does not have a formal Information Technology (IT) department or staff but considers the operations of IT to be an essential function. The District contracts its Information Technology (IT) services to an IT Professional that reports to the General Manager, who is responsible for information services, including development and support of computers and software, information network, program development, office telecommunications, office security, and office systems. All hardware and software IT costs are budgeted for and directly charged to each department based on actual costs for equipment and software. Contract costs are budgeted for and paid out of the Administrative Budget, so there are no expenditures to report for Information Technology.



### FY 2022-23 ACCOMPLISHMENTS

- ) Installed 6,809 security patches to servers and systems.
- ) Maintained and patched all user software as needed to keep systems operating at peak efficiency. Server system uptime (24x7x365) averaged 98.992% uptime (a total downtime of 7 hours, 15 minutes, 27 seconds per month over all servers and systems and services; this accounts for downtime to patch/reboot systems during off-hours).
- ) Completed and closed out 10,207 help desk tickets.
- ) Completed a security scan of all the district's network assets for twelve consecutive months and fixed any major flaws found. Vulnerabilities found, patched, or fixed reduced by 16.07%.
- ) Implemented all recommendations made by Technology Crest after their cyber security review/audit of the District's Information Technology Systems.
- ) Worked with Consolidated Communications and implemented an entirely new internet-based phone system for the entire district.
- ) Got the new administrative offices fully wired for data, and all IT equipment set up and functioning in the new building.
- ) Assisted with the grand opening of the new administrative building.
- ) Deployed new Disaster Recovery Servers.
- ) Automated Non-Windows Server Patching and software updates.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**FY 2023-24 GOALS AND OBJECTIVES**

- ) Set up automated disaster recovery response and test response systems to test the effectiveness of the server and system backups.
- ) Reduce the outstanding cyber security vulnerabilities (High and Medium) to below 40.
- ) Migrate all Server systems whose operating systems will be discontinued this fiscal year to new operating system versions (about 30 systems).
- ) Set up a Backup System for all camera systems at the district.
- ) Upgrade SCADA Wonderware Software to the latest version.
- ) Implement a solution to allow continued use of Win911 to make phone calls to alert the Treatment Team to any alarms.

**FY 2023-24 PERFORMANCE MEASURES**

MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i>SYSTEM UPTIME (MONTHLY AVERAGE)</i>	99.214%	99.3%	99.0%	99.4%
<i>HELP DESK TICKETS CLOSED</i>	9500	10,000	11,000	11300
<i>OUTSTANDING CYBER SECURITY VILNERABILITIES</i>	92	80	79	39

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## OPERATIONS

The Operations Department, overseen by the General Manager, consists of the Treatment, Distribution, and Utility Divisions. The purpose of the Operations Department is to operate and maintain all facilities in a manner that safeguards public and employee health, complies with all regulatory requirements, and ensures outstanding customer service. The Operations Department is also responsible for the delivery of water to District customers as well as operating and maintaining the District's pipelines and facilities. This department includes the functions of water quality, system maintenance, planning, operations, inspection, and safety.

### TREATMENT DIVISION

The Treatment Division oversees the operation and maintenance of the District's water supply and treatment facilities to ensure safe and reliable water supplies to ratepayers. Responsibilities of the Treatment Division include maintaining strict compliance with all state and federal regulatory agencies with the



intent of safeguarding public health and the environment; managing all water quality sampling and reporting to local, state and federal agencies; and maintaining water production and equipment maintenance records and reports

### DISTRIBUTION DIVISION

The Distribution Division oversees the operation and maintenance of the District's water distribution facilities to ensure the reliable and safe distribution of water to ratepayers. Responsibilities of the Distribution Division include maintenance of 1,610 fire hydrants to ensure reliable fire flows during emergencies; and maintenance and exercising of 1,843 valves to ensure that every valve is checked and exercised every three years. The Distribution Division also conducts monthly meter readings, responds to all customer service requests, performs corrective maintenance, repairs leaks that occur in the water distribution system, and facilitates the District's backflow/cross-connection program.



**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**UTILITY DIVISION**

The Utility Division oversees the implementation of the capital improvement program for the District's water system. Responsibilities of the Utility Division are to replace the District's aging water mains on a pay-as-you-go basis.



**FY 2023-24 OPERATIONS DEPARTMENT EXPENDITURES**



**FY 2022-23 ACCOMPLISHMENTS**

- ) Installed 3,000 linear feet of new water main pipeline as part of the District's ongoing water main replacement program.
- ) Completed over 900 water quality samples on raw and treated water throughout the system and performed per- and polyfluoroalkyl substances (PFAS) sampling per state general order.
- ) Completed the Railroad Water Treatment Plant Filter Media Replacement project.
- ) Conducted the District's ongoing valve exercising and hydrant maintenance program.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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- ) Became proficient with the new cold planer to restore small areas of damaged pavement.
- ) Developed standard operating procedures for Operation’s activities.

**FY 2023-24 GOALS AND OBJECTIVES**

- ) Install 3,100 linear feet of new water main pipeline.
- ) Complete unidirectional flushing of Service Area 1.
- ) Complete PFAS sampling of all District water wells, exceeding state-mandated requirements.
- ) Perform valve exercising of transmission main valves.
- ) Perform all scheduled preventative maintenance activities.

**FY 2023-24 PERFORMANCE MEASURES**

MEASURE	2022 ACTUAL	2023 TARGET	2023 ESTIMATE	2024 TARGET
<i>LINEAR FEET OF NEW WATERMAIN INSTALLED</i>	3200	3100	3000	3100
<i># OF WATER DISTRIBUTION VALVES EXERCISED</i>	1524	1524	1524	1524
<i># OF WATER DISTRIBUTION HYDRANTS EXERCISED</i>	552	552	552	552
<i># OF WEEKS PREVENTATIVE MAINTENANCE PROGRAM FOR WATER TREATMENT PLANTS FULLY COMPLETED</i>	52	52	52	52

# LONG-TERM INDEBTEDNESS BOND COVENANT RATIO

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**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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**LONG TERM DEBT OBLIGATIONS**

The District’s long-term debt obligations are comprised of the 2014 Series A Water Revenue Refunding Bonds and 2016 Series A Water Revenue Refunding Bonds. A description of the purpose, original issue and outstanding amounts as of June 30, 2023 are as follows:

	Principal	Interest
<u>Florin Resource Conservation District, Water Revenue Refunding Bonds, 2014 Series A</u>		
On December 16, 2014, the District issued the Florin Resource Conservation District, Water Revenue Refunding Bonds, 2014 Series A in the amount of \$32,325,000. The proceeds were used to prepay aggregate principal amount of outstanding certificates of participation previously executed and delivered by the District, purchase a debt service reserve surety bond, and pay for certain costs associated with the issuance of the 2014 Series A Bonds. The Bonds are secured by a lien on the net water system revenues. Annual principal payments of \$715,000 to \$2,450,000 are due on September 1 through September 1, 2032. Semi-annual interest payments of \$37,625 to \$688,909 are due March 1 and September 1, 2016 through September 1, 2032. The interest rates range from 4.30% to 5.00%. These bonds are rated A- by Standard and Poor's	\$ 20,545,000	\$ 4,107,278
<u>Florin Resource Conservation District, Water Revenue Refunding Bonds, 2016 Series A</u>		
On June 7, 2016, the District issued the Florin Resource Conservation District, Direct Placement Water Revenue Refunding Bonds, 2016 Series A in the amount of \$14,875,000. The proceeds were used to prepay aggregate principal amount of outstanding certificates of participation previously executed and delivered by the District, purchase a debt service reserve surety bond, and pay for certain costs associated with the issuance of the 2016 Series A Bonds. The Bonds are secured by a lien on the net water system revenues. Annual principal payments of \$350,000 to \$2,395,000 are due on September 1 through September 1, 2032. Semi-annual interest payments of \$43,110 to \$261,450 are due March 1 and September 1, 2016 through September 1, 2032. The interest rate is 3.6%. This is a private placement debt obligation and as such is not rated	\$ 12,065,000	\$ 2,861,190
TOTAL	\$ 32,610,000	\$ 6,968,468

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

**Bond Covenant Ratio Requirements**

The 2014 and 2016 bonds are parity debt, with the net revenues, less the rate stabilization fund, required to be at least 1.15 times the sum of the cash basis installment principal and interest payments on the outstanding bonds and any other obligation payable from water system revenues.

The calculation of the projected required coverage ratio based on the FY 2024 budget is as follows:

	<b>2024</b>
Covenant:	
Net Income	\$ 4,726,901
Interest and principal payments, cash basis (as defined)	\$ 3,886,994
Coverage ratio computed	1.22

The annual requirements to amortize the outstanding debt through maturity are as follows:

Year Ending June 30,	2014 Refunding, Series A Bonds		Direct Placement 2016 Refunding, Series A Bonds		Total
	Principal	Interest	Principal	Interest	
2024	2,245,000	785,394	430,000	426,600	3,886,994
2025	2,330,000	697,269	450,000	410,760	3,888,029
2026	2,170,000	617,613	765,000	388,890	3,941,503
2027	2,285,000	545,147	790,000	360,900	3,981,047
2028	2,365,000	465,200	815,000	332,010	3,977,210
2029-2033	9,150,000	996,656	8,815,000	942,030	19,903,686
	\$ 20,545,000	\$ 4,107,279	\$ 12,065,000	\$ 2,861,190	\$ 39,578,469

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**FISCAL YEAR 2023-24  
RATES AND FEES SCHEDULE**

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**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**Use Charges:**

Fixed charge based on the number of accounts and the size of the water meter/connections:

Connection Size	Jan. 1, 2023	Jan. 1, 2024
1"	\$ 62.37	\$ 61.49
1.5"	\$ 87.79	\$ 111.92
2"	\$ 118.29	\$ 172.44
3"	\$ 189.48	\$ 364.08
4"	\$ 291.14	\$ 616.23
6"	\$ 545.33	\$ 1,372.69
8"	\$ 850.36	\$ 1,624.85
10"	\$ 1,206.22	\$ 4,247.24

Commodity charge for units of water used in a month:

Service Type	Jan. 1, 2023	Jan. 1, 2024
Residential Metered		
Tier 1 (0-30 CCF)	\$ 1.96	\$ 2.15
Tier 2 (30.01+ CCF)	\$ 4.12	\$ 3.19
CCF = Hundred Cubic Feet		
Non-residential	\$ 1.83	\$ 2.14
Irrigation	\$ 2.32	\$ 2.97

**Other Fees:**

Private Fire Protection Service Rates:

Connection Size	Jan. 1, 2023	Jan. 1, 2024
2"	\$ 3.08	\$ 3.72
3"	\$ 8.96	\$ 10.79
4"	\$ 19.08	\$ 22.99
6"	\$ 55.43	\$ 66.77
8"	\$ 118.12	\$ 142.29
10"	\$ 212.42	\$ 255.89
12"	\$ 343.10	\$ 413.32

\*Note: The January 1, 2024 rates are subject to the receipt and consideration of any protests and comments received before and during the public hearing to be conducted on July 18, 2023.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

New Connections: Effective September 18, 2023

Fees for new connection to EGWD contain two components. The base charge for a 1-inch meter is \$926.00 and larger meter installations will be charged any additional time and material (T&M) cost. The second is a capacity charge, which covers the cost of “buying-in” to an existing system. New connections in EGWD’s Service Area 2 do not pay the capacity charge, as those costs are part of Sacramento County’s infrastructure.

Meter Size	Meter Charge	Capacity Fee	Total
1”	\$ 926	\$ 4,292	\$ 5,518
1.5”	T&M	\$ 8,584	\$ 8,584 + T&M
2”	T&M	\$ 13,734	\$ 13,734 + T&M
3”	T&M	\$ 30,044	\$ 30,044 + T&M
4”	T&M	\$ 51,504	\$ 51,504 + T&M
6”	T&M	\$ 115,884	\$ 115,884 + T&M

Other: Effective February 15, 2022

Account set up	\$30.00
Return check charge	\$35.00, plus amount of check
Meter re-read	
First request	Free
Subsequent requests	\$25.00
Photocopies - Black and white	\$0.10/page
Photocopies - Color	\$0.15/page
Delinquency shutoff	
Delinquent amount	Amount of past due bill
Door Tag Fee	\$25.00
Late Payment Penalty	\$100.00
24-hour turn-on fee	\$100.00
Meter testing	\$47/hour
Back flow Tag Fee	\$25/tag
Back flow Testing Fee	T/M at contractors’ rate
Fire flow testing	\$156.00
Violation of water ordinance (within 1 year)	
First occurrence	\$100.00
Second occurrence	\$200.00
Each additional occurrence	\$500.00
Plan check fees	
Irrigation only	\$500.00
1 lot (EDU)	\$500.00
2-9 lots (EDUs)	\$2,000.00
10 lots (EDUs) or more	\$5,000.00
Construction/temporary service	
Installation & removal	\$194.00
Weekly rental	\$50.00
Deposit	\$3,000.00
Water Theft	See “Water Theft and Tampering w/ District Facilities Ordinance”

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**FISCAL YEAR 2023-24  
SALARY SCHEDULE**

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**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
1	\$ 21,507.20	\$ 22,588.80	\$ 23,691.20	\$ 24,897.60	\$ 26,145.60
	\$ 1,792.27	\$ 1,882.40	\$ 1,974.27	\$ 2,074.80	\$ 2,178.80
	\$ 827.20	\$ 868.80	\$ 911.20	\$ 957.60	\$ 1,005.60
	\$ 10.34	\$ 10.86	\$ 11.39	\$ 11.97	\$ 12.57
2	\$ 22,027.20	\$ 23,150.40	\$ 24,315.20	\$ 25,521.60	\$ 26,832.00
	\$ 1,835.60	\$ 1,929.20	\$ 2,026.27	\$ 2,126.80	\$ 2,236.00
	\$ 847.20	\$ 890.40	\$ 935.20	\$ 981.60	\$ 1,032.00
	\$ 10.59	\$ 11.13	\$ 11.69	\$ 12.27	\$ 12.90
3	\$ 22,588.80	\$ 23,691.20	\$ 24,897.60	\$ 26,145.60	\$ 27,476.80
	\$ 1,882.40	\$ 1,974.27	\$ 2,074.80	\$ 2,178.80	\$ 2,289.73
	\$ 868.80	\$ 911.20	\$ 957.60	\$ 1,005.60	\$ 1,056.80
	\$ 10.86	\$ 11.39	\$ 11.97	\$ 12.57	\$ 13.21
4	\$ 23,150.40	\$ 24,315.20	\$ 25,521.60	\$ 26,832.00	\$ 28,121.60
	\$ 1,929.20	\$ 2,026.27	\$ 2,126.80	\$ 2,236.00	\$ 2,343.47
	\$ 890.40	\$ 935.20	\$ 981.60	\$ 1,032.00	\$ 1,081.60
	\$ 11.13	\$ 11.69	\$ 12.27	\$ 12.90	\$ 13.52
5	\$ 23,691.20	\$ 24,897.60	\$ 26,145.60	\$ 27,476.80	\$ 28,808.00
	\$ 1,974.27	\$ 2,074.80	\$ 2,178.80	\$ 2,289.73	\$ 2,400.67
	\$ 911.20	\$ 957.60	\$ 1,005.60	\$ 1,056.80	\$ 1,108.00
	\$ 11.39	\$ 11.97	\$ 12.57	\$ 13.21	\$ 13.85
6	\$ 24,315.20	\$ 25,521.60	\$ 26,832.00	\$ 28,121.60	\$ 29,536.00
	\$ 2,026.27	\$ 2,126.80	\$ 2,236.00	\$ 2,343.47	\$ 2,461.33
	\$ 935.20	\$ 981.60	\$ 1,032.00	\$ 1,081.60	\$ 1,136.00
	\$ 11.69	\$ 12.27	\$ 12.90	\$ 13.52	\$ 14.20
7	\$ 24,897.60	\$ 26,145.60	\$ 27,476.80	\$ 28,808.00	\$ 30,264.00
	\$ 2,074.80	\$ 2,178.80	\$ 2,289.73	\$ 2,400.67	\$ 2,522.00
	\$ 957.60	\$ 1,005.60	\$ 1,056.80	\$ 1,108.00	\$ 1,164.00
	\$ 11.97	\$ 12.57	\$ 13.21	\$ 13.85	\$ 14.55
8	\$ 25,521.60	\$ 26,832.00	\$ 28,121.60	\$ 29,536.00	\$ 31,033.60
	\$ 2,126.80	\$ 2,236.00	\$ 2,343.47	\$ 2,461.33	\$ 2,586.13
	\$ 981.60	\$ 1,032.00	\$ 1,081.60	\$ 1,136.00	\$ 1,193.60
	\$ 12.27	\$ 12.90	\$ 13.52	\$ 14.20	\$ 14.92
9	\$ 26,145.60	\$ 27,476.80	\$ 28,808.00	\$ 30,264.00	\$ 31,782.40
	\$ 2,178.80	\$ 2,289.73	\$ 2,400.67	\$ 2,522.00	\$ 2,648.53
	\$ 1,005.60	\$ 1,056.80	\$ 1,108.00	\$ 1,164.00	\$ 1,222.40
	\$ 12.57	\$ 13.21	\$ 13.85	\$ 14.55	\$ 15.28
10	\$ 26,832.00	\$ 28,121.60	\$ 29,536.00	\$ 31,033.60	\$ 32,552.00
	\$ 2,236.00	\$ 2,343.47	\$ 2,461.33	\$ 2,586.13	\$ 2,712.67
	\$ 1,032.00	\$ 1,081.60	\$ 1,136.00	\$ 1,193.60	\$ 1,252.00
	\$ 12.90	\$ 13.52	\$ 14.20	\$ 14.92	\$ 15.65

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
11	\$ 27,476.80	\$ 28,808.00	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20
	\$ 2,289.73	\$ 2,400.67	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27
	\$ 1,056.80	\$ 1,108.00	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20
	\$ 13.21	\$ 13.85	\$ 14.55	\$ 15.28	\$ 16.04
12	\$ 28,121.60	\$ 29,536.00	\$ 31,033.60	\$ 32,552.00	\$ 34,174.40
	\$ 2,343.47	\$ 2,461.33	\$ 2,586.13	\$ 2,712.67	\$ 2,847.87
	\$ 1,081.60	\$ 1,136.00	\$ 1,193.60	\$ 1,252.00	\$ 1,314.40
	\$ 13.52	\$ 14.20	\$ 14.92	\$ 15.65	\$ 16.43
13	\$ 28,808.00	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20	\$ 35,006.40
	\$ 2,400.67	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27	\$ 2,917.20
	\$ 1,108.00	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20	\$ 1,346.40
	\$ 13.85	\$ 14.55	\$ 15.28	\$ 16.04	\$ 16.83
14	\$ 29,536.00	\$ 31,033.60	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80
	\$ 2,461.33	\$ 2,586.13	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73
	\$ 1,136.00	\$ 1,193.60	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80
	\$ 14.20	\$ 14.92	\$ 15.65	\$ 16.43	\$ 17.26
15	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20	\$ 35,006.40	\$ 36,774.40
	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27	\$ 2,917.20	\$ 3,064.53
	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20	\$ 1,346.40	\$ 1,414.40
	\$ 14.55	\$ 15.28	\$ 16.04	\$ 16.83	\$ 17.68
16	\$ 31,033.60	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60
	\$ 2,586.13	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80
	\$ 1,193.60	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60
	\$ 14.92	\$ 15.65	\$ 16.43	\$ 17.26	\$ 18.12
17	\$ 31,782.40	\$ 33,363.20	\$ 35,006.40	\$ 36,774.40	\$ 38,604.80
	\$ 2,648.53	\$ 2,780.27	\$ 2,917.20	\$ 3,064.53	\$ 3,217.07
	\$ 1,222.40	\$ 1,283.20	\$ 1,346.40	\$ 1,414.40	\$ 1,484.80
	\$ 15.28	\$ 16.04	\$ 16.83	\$ 17.68	\$ 18.56
18	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60	\$ 39,603.20
	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80	\$ 3,300.27
	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60	\$ 1,523.20
	\$ 15.65	\$ 16.43	\$ 17.26	\$ 18.12	\$ 19.04
19	\$ 33,363.20	\$ 35,006.40	\$ 36,774.40	\$ 38,604.80	\$ 40,539.20
	\$ 2,780.27	\$ 2,917.20	\$ 3,064.53	\$ 3,217.07	\$ 3,378.27
	\$ 1,283.20	\$ 1,346.40	\$ 1,414.40	\$ 1,484.80	\$ 1,559.20
	\$ 16.04	\$ 16.83	\$ 17.68	\$ 18.56	\$ 19.49
20	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60	\$ 39,603.20	\$ 41,558.40
	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80	\$ 3,300.27	\$ 3,463.20
	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60	\$ 1,523.20	\$ 1,598.40
	\$ 16.43	\$ 17.26	\$ 18.12	\$ 19.04	\$ 19.98

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
21	\$ 35,006.40	\$ 36,774.40	\$ 38,604.80	\$ 40,539.20	\$ 42,577.60
	\$ 2,917.20	\$ 3,064.53	\$ 3,217.07	\$ 3,378.27	\$ 3,548.13
	\$ 1,346.40	\$ 1,414.40	\$ 1,484.80	\$ 1,559.20	\$ 1,637.60
	\$ 16.83	\$ 17.68	\$ 18.56	\$ 19.49	\$ 20.47
22	\$ 35,900.80	\$ 37,689.60	\$ 39,603.20	\$ 41,558.40	\$ 43,638.40
	\$ 2,991.73	\$ 3,140.80	\$ 3,300.27	\$ 3,463.20	\$ 3,636.53
	\$ 1,380.80	\$ 1,449.60	\$ 1,523.20	\$ 1,598.40	\$ 1,678.40
	\$ 17.26	\$ 18.12	\$ 19.04	\$ 19.98	\$ 20.98
23	\$ 36,774.40	\$ 38,604.80	\$ 40,539.20	\$ 42,577.60	\$ 44,699.20
	\$ 3,064.53	\$ 3,217.07	\$ 3,378.27	\$ 3,548.13	\$ 3,724.93
	\$ 1,414.40	\$ 1,484.80	\$ 1,559.20	\$ 1,637.60	\$ 1,719.20
	\$ 17.68	\$ 18.56	\$ 19.49	\$ 20.47	\$ 21.49
24	\$ 37,689.60	\$ 39,603.20	\$ 41,558.40	\$ 43,638.40	\$ 45,822.40
	\$ 3,140.80	\$ 3,300.27	\$ 3,463.20	\$ 3,636.53	\$ 3,818.53
	\$ 1,449.60	\$ 1,523.20	\$ 1,598.40	\$ 1,678.40	\$ 1,762.40
	\$ 18.12	\$ 19.04	\$ 19.98	\$ 20.98	\$ 22.03
25	\$ 38,604.80	\$ 40,539.20	\$ 42,577.60	\$ 44,699.20	\$ 46,966.40
	\$ 3,217.07	\$ 3,378.27	\$ 3,548.13	\$ 3,724.93	\$ 3,913.87
	\$ 1,484.80	\$ 1,559.20	\$ 1,637.60	\$ 1,719.20	\$ 1,806.40
	\$ 18.56	\$ 19.49	\$ 20.47	\$ 21.49	\$ 22.58
26	\$ 39,603.20	\$ 41,558.40	\$ 43,638.40	\$ 45,822.40	\$ 48,110.40
	\$ 3,300.27	\$ 3,463.20	\$ 3,636.53	\$ 3,818.53	\$ 4,009.20
	\$ 1,523.20	\$ 1,598.40	\$ 1,678.40	\$ 1,762.40	\$ 1,850.40
	\$ 19.04	\$ 19.98	\$ 20.98	\$ 22.03	\$ 23.13
27	\$ 40,539.20	\$ 42,577.60	\$ 44,699.20	\$ 46,966.40	\$ 49,316.80
	\$ 3,378.27	\$ 3,548.13	\$ 3,724.93	\$ 3,913.87	\$ 4,109.73
	\$ 1,559.20	\$ 1,637.60	\$ 1,719.20	\$ 1,806.40	\$ 1,896.80
	\$ 19.49	\$ 20.47	\$ 21.49	\$ 22.58	\$ 23.71
28	\$ 41,558.40	\$ 43,638.40	\$ 45,822.40	\$ 48,110.40	\$ 50,523.20
	\$ 3,463.20	\$ 3,636.53	\$ 3,818.53	\$ 4,009.20	\$ 4,210.27
	\$ 1,598.40	\$ 1,678.40	\$ 1,762.40	\$ 1,850.40	\$ 1,943.20
	\$ 19.98	\$ 20.98	\$ 22.03	\$ 23.13	\$ 24.29
29	\$ 42,577.60	\$ 44,699.20	\$ 46,966.40	\$ 49,316.80	\$ 51,771.20
	\$ 3,548.13	\$ 3,724.93	\$ 3,913.87	\$ 4,109.73	\$ 4,314.27
	\$ 1,637.60	\$ 1,719.20	\$ 1,806.40	\$ 1,896.80	\$ 1,991.20
	\$ 20.47	\$ 21.49	\$ 22.58	\$ 23.71	\$ 24.89
30	\$ 43,638.40	\$ 45,822.40	\$ 48,110.40	\$ 50,523.20	\$ 53,060.80
	\$ 3,636.53	\$ 3,818.53	\$ 4,009.20	\$ 4,210.27	\$ 4,421.73
	\$ 1,678.40	\$ 1,762.40	\$ 1,850.40	\$ 1,943.20	\$ 2,040.80
	\$ 20.98	\$ 22.03	\$ 23.13	\$ 24.29	\$ 25.51

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
31	\$ 44,699.20	\$ 46,966.40	\$ 49,316.80	\$ 51,771.20	\$ 54,350.40
	\$ 3,724.93	\$ 3,913.87	\$ 4,109.73	\$ 4,314.27	\$ 4,529.20
	\$ 1,719.20	\$ 1,806.40	\$ 1,896.80	\$ 1,991.20	\$ 2,090.40
	\$ 21.49	\$ 22.58	\$ 23.71	\$ 24.89	\$ 26.13
32	\$ 45,822.40	\$ 48,110.40	\$ 50,523.20	\$ 53,060.80	\$ 55,681.60
	\$ 3,818.53	\$ 4,009.20	\$ 4,210.27	\$ 4,421.73	\$ 4,640.13
	\$ 1,762.40	\$ 1,850.40	\$ 1,943.20	\$ 2,040.80	\$ 2,141.60
	\$ 22.03	\$ 23.13	\$ 24.29	\$ 25.51	\$ 26.77
33	\$ 46,966.40	\$ 49,316.80	\$ 51,771.20	\$ 54,350.40	\$ 57,054.40
	\$ 3,913.87	\$ 4,109.73	\$ 4,314.27	\$ 4,529.20	\$ 4,754.53
	\$ 1,806.40	\$ 1,896.80	\$ 1,991.20	\$ 2,090.40	\$ 2,194.40
	\$ 22.58	\$ 23.71	\$ 24.89	\$ 26.13	\$ 27.43
34	\$ 48,110.40	\$ 50,523.20	\$ 53,060.80	\$ 55,681.60	\$ 58,468.80
	\$ 4,009.20	\$ 4,210.27	\$ 4,421.73	\$ 4,640.13	\$ 4,872.40
	\$ 1,850.40	\$ 1,943.20	\$ 2,040.80	\$ 2,141.60	\$ 2,248.80
	\$ 23.13	\$ 24.29	\$ 25.51	\$ 26.77	\$ 28.11
35	\$ 49,316.80	\$ 51,771.20	\$ 54,350.40	\$ 57,054.40	\$ 59,924.80
	\$ 4,109.73	\$ 4,314.27	\$ 4,529.20	\$ 4,754.53	\$ 4,993.73
	\$ 1,896.80	\$ 1,991.20	\$ 2,090.40	\$ 2,194.40	\$ 2,304.80
	\$ 23.71	\$ 24.89	\$ 26.13	\$ 27.43	\$ 28.81
36	\$ 50,523.20	\$ 53,060.80	\$ 55,681.60	\$ 58,468.80	\$ 61,401.60
	\$ 4,210.27	\$ 4,421.73	\$ 4,640.13	\$ 4,872.40	\$ 5,116.80
	\$ 1,943.20	\$ 2,040.80	\$ 2,141.60	\$ 2,248.80	\$ 2,361.60
	\$ 24.29	\$ 25.51	\$ 26.77	\$ 28.11	\$ 29.52
37	\$ 51,771.20	\$ 54,350.40	\$ 57,054.40	\$ 59,924.80	\$ 62,899.20
	\$ 4,314.27	\$ 4,529.20	\$ 4,754.53	\$ 4,993.73	\$ 5,241.60
	\$ 1,991.20	\$ 2,090.40	\$ 2,194.40	\$ 2,304.80	\$ 2,419.20
	\$ 24.89	\$ 26.13	\$ 27.43	\$ 28.81	\$ 30.24
38	\$ 53,060.80	\$ 55,681.60	\$ 58,468.80	\$ 61,401.60	\$ 64,500.80
	\$ 4,421.73	\$ 4,640.13	\$ 4,872.40	\$ 5,116.80	\$ 5,375.07
	\$ 2,040.80	\$ 2,141.60	\$ 2,248.80	\$ 2,361.60	\$ 2,480.80
	\$ 25.51	\$ 26.77	\$ 28.11	\$ 29.52	\$ 31.01
39	\$ 54,350.40	\$ 57,054.40	\$ 59,924.80	\$ 62,899.20	\$ 66,060.80
	\$ 4,529.20	\$ 4,754.53	\$ 4,993.73	\$ 5,241.60	\$ 5,505.07
	\$ 2,090.40	\$ 2,194.40	\$ 2,304.80	\$ 2,419.20	\$ 2,540.80
	\$ 26.13	\$ 27.43	\$ 28.81	\$ 30.24	\$ 31.76
40	\$ 55,681.60	\$ 58,468.80	\$ 61,401.60	\$ 64,500.80	\$ 67,704.00
	\$ 4,640.13	\$ 4,872.40	\$ 5,116.80	\$ 5,375.07	\$ 5,642.00
	\$ 2,141.60	\$ 2,248.80	\$ 2,361.60	\$ 2,480.80	\$ 2,604.00
	\$ 26.77	\$ 28.11	\$ 29.52	\$ 31.01	\$ 32.55



**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
41	\$ 57,054.40	\$ 59,924.80	\$ 62,899.20	\$ 66,060.80	\$ 69,347.20
	\$ 4,754.53	\$ 4,993.73	\$ 5,241.60	\$ 5,505.07	\$ 5,778.93
	\$ 2,194.40	\$ 2,304.80	\$ 2,419.20	\$ 2,540.80	\$ 2,667.20
	\$ 27.43	\$ 28.81	\$ 30.24	\$ 31.76	\$ 33.34
42	\$ 58,468.80	\$ 61,401.60	\$ 64,500.80	\$ 67,704.00	\$ 71,073.60
	\$ 4,872.40	\$ 5,116.80	\$ 5,375.07	\$ 5,642.00	\$ 5,922.80
	\$ 2,248.80	\$ 2,361.60	\$ 2,480.80	\$ 2,604.00	\$ 2,733.60
	\$ 28.11	\$ 29.52	\$ 31.01	\$ 32.55	\$ 34.17
43	\$ 59,924.80	\$ 62,899.20	\$ 66,060.80	\$ 69,347.20	\$ 72,841.60
	\$ 4,993.73	\$ 5,241.60	\$ 5,505.07	\$ 5,778.93	\$ 6,070.13
	\$ 2,304.80	\$ 2,419.20	\$ 2,540.80	\$ 2,667.20	\$ 2,801.60
	\$ 28.81	\$ 30.24	\$ 31.76	\$ 33.34	\$ 35.02
44	\$ 61,401.60	\$ 64,500.80	\$ 67,704.00	\$ 71,073.60	\$ 74,651.20
	\$ 5,116.80	\$ 5,375.07	\$ 5,642.00	\$ 5,922.80	\$ 6,220.93
	\$ 2,361.60	\$ 2,480.80	\$ 2,604.00	\$ 2,733.60	\$ 2,871.20
	\$ 29.52	\$ 31.01	\$ 32.55	\$ 34.17	\$ 35.89
45	\$ 62,899.20	\$ 66,060.80	\$ 69,347.20	\$ 72,841.60	\$ 76,460.80
	\$ 5,241.60	\$ 5,505.07	\$ 5,778.93	\$ 6,070.13	\$ 6,371.73
	\$ 2,419.20	\$ 2,540.80	\$ 2,667.20	\$ 2,801.60	\$ 2,940.80
	\$ 30.24	\$ 31.76	\$ 33.34	\$ 35.02	\$ 36.76
46	\$ 64,500.80	\$ 67,704.00	\$ 71,073.60	\$ 74,651.20	\$ 78,374.40
	\$ 5,375.07	\$ 5,642.00	\$ 5,922.80	\$ 6,220.93	\$ 6,531.20
	\$ 2,480.80	\$ 2,604.00	\$ 2,733.60	\$ 2,871.20	\$ 3,014.40
	\$ 31.01	\$ 32.55	\$ 34.17	\$ 35.89	\$ 37.68
47	\$ 66,060.80	\$ 69,347.20	\$ 72,841.60	\$ 76,460.80	\$ 80,288.00
	\$ 5,505.07	\$ 5,778.93	\$ 6,070.13	\$ 6,371.73	\$ 6,690.67
	\$ 2,540.80	\$ 2,667.20	\$ 2,801.60	\$ 2,940.80	\$ 3,088.00
	\$ 31.76	\$ 33.34	\$ 35.02	\$ 36.76	\$ 38.60
48	\$ 67,704.00	\$ 71,073.60	\$ 74,651.20	\$ 78,374.40	\$ 82,326.40
	\$ 5,642.00	\$ 5,922.80	\$ 6,220.93	\$ 6,531.20	\$ 6,860.53
	\$ 2,604.00	\$ 2,733.60	\$ 2,871.20	\$ 3,014.40	\$ 3,166.40
	\$ 32.55	\$ 34.17	\$ 35.89	\$ 37.68	\$ 39.58
49	\$ 69,347.20	\$ 72,841.60	\$ 76,460.80	\$ 80,288.00	\$ 84,302.40
	\$ 5,778.93	\$ 6,070.13	\$ 6,371.73	\$ 6,690.67	\$ 7,025.20
	\$ 2,667.20	\$ 2,801.60	\$ 2,940.80	\$ 3,088.00	\$ 3,242.40
	\$ 33.34	\$ 35.02	\$ 36.76	\$ 38.60	\$ 40.53
50	\$ 71,073.60	\$ 74,651.20	\$ 78,374.40	\$ 82,326.40	\$ 86,361.60
	\$ 5,922.80	\$ 6,220.93	\$ 6,531.20	\$ 6,860.53	\$ 7,196.80
	\$ 2,733.60	\$ 2,871.20	\$ 3,014.40	\$ 3,166.40	\$ 3,321.60
	\$ 34.17	\$ 35.89	\$ 37.68	\$ 39.58	\$ 41.52

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
51	\$ 72,841.60	\$ 76,460.80	\$ 80,288.00	\$ 84,302.40	\$ 88,524.80
	\$ 6,070.13	\$ 6,371.73	\$ 6,690.67	\$ 7,025.20	\$ 7,377.07
	\$ 2,801.60	\$ 2,940.80	\$ 3,088.00	\$ 3,242.40	\$ 3,404.80
	\$ 35.02	\$ 36.76	\$ 38.60	\$ 40.53	\$ 42.56
52	\$ 74,651.20	\$ 78,374.40	\$ 82,326.40	\$ 86,361.60	\$ 90,729.60
	\$ 6,220.93	\$ 6,531.20	\$ 6,860.53	\$ 7,196.80	\$ 7,560.80
	\$ 2,871.20	\$ 3,014.40	\$ 3,166.40	\$ 3,321.60	\$ 3,489.60
	\$ 35.89	\$ 37.68	\$ 39.58	\$ 41.52	\$ 43.62
53	\$ 76,460.80	\$ 80,288.00	\$ 84,302.40	\$ 88,524.80	\$ 92,955.20
	\$ 6,371.73	\$ 6,690.67	\$ 7,025.20	\$ 7,377.07	\$ 7,746.27
	\$ 2,940.80	\$ 3,088.00	\$ 3,242.40	\$ 3,404.80	\$ 3,575.20
	\$ 36.76	\$ 38.60	\$ 40.53	\$ 42.56	\$ 44.69
54	\$ 78,374.40	\$ 82,326.40	\$ 86,361.60	\$ 90,729.60	\$ 95,284.80
	\$ 6,531.20	\$ 6,860.53	\$ 7,196.80	\$ 7,560.80	\$ 7,940.40
	\$ 3,014.40	\$ 3,166.40	\$ 3,321.60	\$ 3,489.60	\$ 3,664.80
	\$ 37.68	\$ 39.58	\$ 41.52	\$ 43.62	\$ 45.81
55	\$ 80,288.00	\$ 84,302.40	\$ 88,524.80	\$ 92,955.20	\$ 97,593.60
	\$ 6,690.67	\$ 7,025.20	\$ 7,377.07	\$ 7,746.27	\$ 8,132.80
	\$ 3,088.00	\$ 3,242.40	\$ 3,404.80	\$ 3,575.20	\$ 3,753.60
	\$ 38.60	\$ 40.53	\$ 42.56	\$ 44.69	\$ 46.92
56	\$ 82,326.40	\$ 86,361.60	\$ 90,729.60	\$ 95,284.80	\$ 100,068.80
	\$ 6,860.53	\$ 7,196.80	\$ 7,560.80	\$ 7,940.40	\$ 8,339.07
	\$ 3,166.40	\$ 3,321.60	\$ 3,489.60	\$ 3,664.80	\$ 3,848.80
	\$ 39.58	\$ 41.52	\$ 43.62	\$ 45.81	\$ 48.11
57	\$ 84,302.40	\$ 88,524.80	\$ 92,955.20	\$ 97,593.60	\$ 102,481.60
	\$ 7,025.20	\$ 7,377.07	\$ 7,746.27	\$ 8,132.80	\$ 8,540.13
	\$ 3,242.40	\$ 3,404.80	\$ 3,575.20	\$ 3,753.60	\$ 3,941.60
	\$ 40.53	\$ 42.56	\$ 44.69	\$ 46.92	\$ 49.27
58	\$ 86,361.60	\$ 90,729.60	\$ 95,284.80	\$ 100,068.80	\$ 105,040.00
	\$ 7,196.80	\$ 7,560.80	\$ 7,940.40	\$ 8,339.07	\$ 8,753.33
	\$ 3,321.60	\$ 3,489.60	\$ 3,664.80	\$ 3,848.80	\$ 4,040.00
	\$ 41.52	\$ 43.62	\$ 45.81	\$ 48.11	\$ 50.50
59	\$ 88,524.80	\$ 92,955.20	\$ 97,593.60	\$ 102,481.60	\$ 107,619.20
	\$ 7,377.07	\$ 7,746.27	\$ 8,132.80	\$ 8,540.13	\$ 8,968.27
	\$ 3,404.80	\$ 3,575.20	\$ 3,753.60	\$ 3,941.60	\$ 4,139.20
	\$ 42.56	\$ 44.69	\$ 46.92	\$ 49.27	\$ 51.74
60	\$ 90,729.60	\$ 95,284.80	\$ 100,068.80	\$ 105,040.00	\$ 110,281.60
	\$ 7,560.80	\$ 7,940.40	\$ 8,339.07	\$ 8,753.33	\$ 9,190.13
	\$ 3,489.60	\$ 3,664.80	\$ 3,848.80	\$ 4,040.00	\$ 4,241.60
	\$ 43.62	\$ 45.81	\$ 48.11	\$ 50.50	\$ 53.02

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
61	\$ 92,955.20	\$ 97,593.60	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60
	\$ 7,746.27	\$ 8,132.80	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47
	\$ 3,575.20	\$ 3,753.60	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60
	\$ 44.69	\$ 46.92	\$ 49.27	\$ 51.74	\$ 54.32
62	\$ 95,284.80	\$ 100,068.80	\$ 105,040.00	\$ 110,281.60	\$ 115,772.80
	\$ 7,940.40	\$ 8,339.07	\$ 8,753.33	\$ 9,190.13	\$ 9,647.73
	\$ 3,664.80	\$ 3,848.80	\$ 4,040.00	\$ 4,241.60	\$ 4,452.80
	\$ 45.81	\$ 48.11	\$ 50.50	\$ 53.02	\$ 55.66
63	\$ 97,593.60	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60	\$ 118,601.60
	\$ 8,132.80	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47	\$ 9,883.47
	\$ 3,753.60	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60	\$ 4,561.60
	\$ 46.92	\$ 49.27	\$ 51.74	\$ 54.32	\$ 57.02
64	\$ 100,068.80	\$ 105,040.00	\$ 110,281.60	\$ 115,772.80	\$ 121,596.80
	\$ 8,339.07	\$ 8,753.33	\$ 9,190.13	\$ 9,647.73	\$ 10,133.07
	\$ 3,848.80	\$ 4,040.00	\$ 4,241.60	\$ 4,452.80	\$ 4,676.80
	\$ 48.11	\$ 50.50	\$ 53.02	\$ 55.66	\$ 58.46
65	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60	\$ 118,601.60	\$ 124,529.60
	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47	\$ 9,883.47	\$ 10,377.47
	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60	\$ 4,561.60	\$ 4,789.60
	\$ 49.27	\$ 51.74	\$ 54.32	\$ 57.02	\$ 59.87
66	\$ 105,040.00	\$ 110,281.60	\$ 115,772.80	\$ 121,596.80	\$ 127,691.20
	\$ 8,753.33	\$ 9,190.13	\$ 9,647.73	\$ 10,133.07	\$ 10,640.93
	\$ 4,040.00	\$ 4,241.60	\$ 4,452.80	\$ 4,676.80	\$ 4,911.20
	\$ 50.50	\$ 53.02	\$ 55.66	\$ 58.46	\$ 61.39
67	\$ 107,619.20	\$ 112,985.60	\$ 118,601.60	\$ 124,529.60	\$ 130,748.80
	\$ 8,968.27	\$ 9,415.47	\$ 9,883.47	\$ 10,377.47	\$ 10,895.73
	\$ 4,139.20	\$ 4,345.60	\$ 4,561.60	\$ 4,789.60	\$ 5,028.80
	\$ 51.74	\$ 54.32	\$ 57.02	\$ 59.87	\$ 62.86
68	\$ 110,281.60	\$ 115,772.80	\$ 121,596.80	\$ 127,691.20	\$ 134,014.40
	\$ 9,190.13	\$ 9,647.73	\$ 10,133.07	\$ 10,640.93	\$ 11,167.87
	\$ 4,241.60	\$ 4,452.80	\$ 4,676.80	\$ 4,911.20	\$ 5,154.40
	\$ 53.02	\$ 55.66	\$ 58.46	\$ 61.39	\$ 64.43
69	\$ 112,985.60	\$ 118,601.60	\$ 124,529.60	\$ 130,748.80	\$ 137,342.40
	\$ 9,415.47	\$ 9,883.47	\$ 10,377.47	\$ 10,895.73	\$ 11,445.20
	\$ 4,345.60	\$ 4,561.60	\$ 4,789.60	\$ 5,028.80	\$ 5,282.40
	\$ 54.32	\$ 57.02	\$ 59.87	\$ 62.86	\$ 66.03
70	\$ 115,772.80	\$ 121,596.80	\$ 127,691.20	\$ 134,014.40	\$ 140,753.60
	\$ 9,647.73	\$ 10,133.07	\$ 10,640.93	\$ 11,167.87	\$ 11,729.47
	\$ 4,452.80	\$ 4,676.80	\$ 4,911.20	\$ 5,154.40	\$ 5,413.60
	\$ 55.66	\$ 58.46	\$ 61.39	\$ 64.43	\$ 67.67

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
71	\$ 118,601.60	\$ 124,529.60	\$ 130,748.80	\$ 137,342.40	\$ 144,185.60
	\$ 9,883.47	\$ 10,377.47	\$ 10,895.73	\$ 11,445.20	\$ 12,015.47
	\$ 4,561.60	\$ 4,789.60	\$ 5,028.80	\$ 5,282.40	\$ 5,545.60
	\$ 57.02	\$ 59.87	\$ 62.86	\$ 66.03	\$ 69.32
72	\$ 121,596.80	\$ 127,691.20	\$ 134,014.40	\$ 140,753.60	\$ 147,804.80
	\$ 10,133.07	\$ 10,640.93	\$ 11,167.87	\$ 11,729.47	\$ 12,317.07
	\$ 4,676.80	\$ 4,911.20	\$ 5,154.40	\$ 5,413.60	\$ 5,684.80
	\$ 58.46	\$ 61.39	\$ 64.43	\$ 67.67	\$ 71.06
73	\$ 124,529.60	\$ 130,748.80	\$ 137,342.40	\$ 144,185.60	\$ 151,403.20
	\$ 10,377.47	\$ 10,895.73	\$ 11,445.20	\$ 12,015.47	\$ 12,616.93
	\$ 4,789.60	\$ 5,028.80	\$ 5,282.40	\$ 5,545.60	\$ 5,823.20
	\$ 59.87	\$ 62.86	\$ 66.03	\$ 69.32	\$ 72.79
74	\$ 127,691.20	\$ 134,014.40	\$ 140,753.60	\$ 147,804.80	\$ 155,168.00
	\$ 10,640.93	\$ 11,167.87	\$ 11,729.47	\$ 12,317.07	\$ 12,930.67
	\$ 4,911.20	\$ 5,154.40	\$ 5,413.60	\$ 5,684.80	\$ 5,968.00
	\$ 61.39	\$ 64.43	\$ 67.67	\$ 71.06	\$ 74.60
75	\$ 130,748.80	\$ 137,342.40	\$ 144,185.60	\$ 151,403.20	\$ 158,953.60
	\$ 10,895.73	\$ 11,445.20	\$ 12,015.47	\$ 12,616.93	\$ 13,246.13
	\$ 5,028.80	\$ 5,282.40	\$ 5,545.60	\$ 5,823.20	\$ 6,113.60
	\$ 62.86	\$ 66.03	\$ 69.32	\$ 72.79	\$ 76.42
76	\$ 134,014.40	\$ 140,753.60	\$ 147,804.80	\$ 155,168.00	\$ 162,968.00
	\$ 11,167.87	\$ 11,729.47	\$ 12,317.07	\$ 12,930.67	\$ 13,580.67
	\$ 5,154.40	\$ 5,413.60	\$ 5,684.80	\$ 5,968.00	\$ 6,268.00
	\$ 64.43	\$ 67.67	\$ 71.06	\$ 74.60	\$ 78.35
77	\$ 137,342.40	\$ 144,185.60	\$ 151,403.20	\$ 158,953.60	\$ 166,920.00
	\$ 11,445.20	\$ 12,015.47	\$ 12,616.93	\$ 13,246.13	\$ 13,910.00
	\$ 5,282.40	\$ 5,545.60	\$ 5,823.20	\$ 6,113.60	\$ 6,420.00
	\$ 66.03	\$ 69.32	\$ 72.79	\$ 76.42	\$ 80.25
78	\$ 140,753.60	\$ 147,804.80	\$ 155,168.00	\$ 162,968.00	\$ 171,100.80
	\$ 11,729.47	\$ 12,317.07	\$ 12,930.67	\$ 13,580.67	\$ 14,258.40
	\$ 5,413.60	\$ 5,684.80	\$ 5,968.00	\$ 6,268.00	\$ 6,580.80
	\$ 67.67	\$ 71.06	\$ 74.60	\$ 78.35	\$ 82.26
79	\$ 144,185.60	\$ 151,403.20	\$ 158,953.60	\$ 166,920.00	\$ 175,281.60
	\$ 12,015.47	\$ 12,616.93	\$ 13,246.13	\$ 13,910.00	\$ 14,606.80
	\$ 5,545.60	\$ 5,823.20	\$ 6,113.60	\$ 6,420.00	\$ 6,741.60
	\$ 69.32	\$ 72.79	\$ 76.42	\$ 80.25	\$ 84.27
80	\$ 147,804.80	\$ 155,168.00	\$ 162,968.00	\$ 171,100.80	\$ 179,628.80
	\$ 12,317.07	\$ 12,930.67	\$ 13,580.67	\$ 14,258.40	\$ 14,969.07
	\$ 5,684.80	\$ 5,968.00	\$ 6,268.00	\$ 6,580.80	\$ 6,908.80
	\$ 71.06	\$ 74.60	\$ 78.35	\$ 82.26	\$ 86.36

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
81	\$ 151,403.20	\$ 158,953.60	\$ 166,920.00	\$ 175,281.60	\$ 184,038.40
	\$ 12,616.93	\$ 13,246.13	\$ 13,910.00	\$ 14,606.80	\$ 15,336.53
	\$ 5,823.20	\$ 6,113.60	\$ 6,420.00	\$ 6,741.60	\$ 7,078.40
	\$ 72.79	\$ 76.42	\$ 80.25	\$ 84.27	\$ 88.48
82	\$ 155,168.00	\$ 162,968.00	\$ 171,100.80	\$ 179,628.80	\$ 188,656.00
	\$ 12,930.67	\$ 13,580.67	\$ 14,258.40	\$ 14,969.07	\$ 15,721.33
	\$ 5,968.00	\$ 6,268.00	\$ 6,580.80	\$ 6,908.80	\$ 7,256.00
	\$ 74.60	\$ 78.35	\$ 82.26	\$ 86.36	\$ 90.70
83	\$ 158,953.60	\$ 166,920.00	\$ 175,281.60	\$ 184,038.40	\$ 193,190.40
	\$ 13,246.13	\$ 13,910.00	\$ 14,606.80	\$ 15,336.53	\$ 16,099.20
	\$ 6,113.60	\$ 6,420.00	\$ 6,741.60	\$ 7,078.40	\$ 7,430.40
	\$ 76.42	\$ 80.25	\$ 84.27	\$ 88.48	\$ 92.88
84	\$ 162,968.00	\$ 171,100.80	\$ 179,628.80	\$ 188,656.00	\$ 198,057.60
	\$ 13,580.67	\$ 14,258.40	\$ 14,969.07	\$ 15,721.33	\$ 16,504.80
	\$ 6,268.00	\$ 6,580.80	\$ 6,908.80	\$ 7,256.00	\$ 7,617.60
	\$ 78.35	\$ 82.26	\$ 86.36	\$ 90.70	\$ 95.22
85	\$ 166,920.00	\$ 175,281.60	\$ 184,038.40	\$ 193,190.40	\$ 202,862.40
	\$ 13,910.00	\$ 14,606.80	\$ 15,336.53	\$ 16,099.20	\$ 16,905.20
	\$ 6,420.00	\$ 6,741.60	\$ 7,078.40	\$ 7,430.40	\$ 7,802.40
	\$ 80.25	\$ 84.27	\$ 88.48	\$ 92.88	\$ 97.53
86	\$ 171,100.80	\$ 179,628.80	\$ 188,656.00	\$ 198,057.60	\$ 207,958.40
	\$ 14,258.40	\$ 14,969.07	\$ 15,721.33	\$ 16,504.80	\$ 17,329.87
	\$ 6,580.80	\$ 6,908.80	\$ 7,256.00	\$ 7,617.60	\$ 7,998.40
	\$ 82.26	\$ 86.36	\$ 90.70	\$ 95.22	\$ 99.98
87	\$ 175,281.60	\$ 184,038.40	\$ 193,190.40	\$ 202,862.40	\$ 213,033.60
	\$ 14,606.80	\$ 15,336.53	\$ 16,099.20	\$ 16,905.20	\$ 17,752.80
	\$ 6,741.60	\$ 7,078.40	\$ 7,430.40	\$ 7,802.40	\$ 8,193.60
	\$ 84.27	\$ 88.48	\$ 92.88	\$ 97.53	\$ 102.42
88	\$ 179,628.80	\$ 188,656.00	\$ 198,057.60	\$ 207,958.40	\$ 218,337.60
	\$ 14,969.07	\$ 15,721.33	\$ 16,504.80	\$ 17,329.87	\$ 18,194.80
	\$ 6,908.80	\$ 7,256.00	\$ 7,617.60	\$ 7,998.40	\$ 8,397.60
	\$ 86.36	\$ 90.70	\$ 95.22	\$ 99.98	\$ 104.97
89	\$ 184,038.40	\$ 193,190.40	\$ 202,862.40	\$ 213,033.60	\$ 223,683.20
	\$ 15,336.53	\$ 16,099.20	\$ 16,905.20	\$ 17,752.80	\$ 18,640.27
	\$ 7,078.40	\$ 7,430.40	\$ 7,802.40	\$ 8,193.60	\$ 8,603.20
	\$ 88.48	\$ 92.88	\$ 97.53	\$ 102.42	\$ 107.54
90	\$ 188,656.00	\$ 198,057.60	\$ 207,958.40	\$ 218,337.60	\$ 229,278.40
	\$ 15,721.33	\$ 16,504.80	\$ 17,329.87	\$ 18,194.80	\$ 19,106.53
	\$ 7,256.00	\$ 7,617.60	\$ 7,998.40	\$ 8,397.60	\$ 8,818.40
	\$ 90.70	\$ 95.22	\$ 99.98	\$ 104.97	\$ 110.23

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2024 (4.67% COLA)**

Grade	Step I	Step II	Step III	Step IV	Step V
91	\$ 193,190.40	\$ 202,862.40	\$ 213,033.60	\$ 223,683.20	\$ 234,873.60
	\$ 16,099.20	\$ 16,905.20	\$ 17,752.80	\$ 18,640.27	\$ 19,572.80
	\$ 7,430.40	\$ 7,802.40	\$ 8,193.60	\$ 8,603.20	\$ 9,033.60
	\$ 92.88	\$ 97.53	\$ 102.42	\$ 107.54	\$ 112.92
92	\$ 198,057.60	\$ 207,958.40	\$ 218,337.60	\$ 229,278.40	\$ 240,739.20
	\$ 16,504.80	\$ 17,329.87	\$ 18,194.80	\$ 19,106.53	\$ 20,061.60
	\$ 7,617.60	\$ 7,998.40	\$ 8,397.60	\$ 8,818.40	\$ 9,259.20
	\$ 95.22	\$ 99.98	\$ 104.97	\$ 110.23	\$ 115.74
93	\$ 202,862.40	\$ 213,033.60	\$ 223,683.20	\$ 234,873.60	\$ 246,646.40
	\$ 16,905.20	\$ 17,752.80	\$ 18,640.27	\$ 19,572.80	\$ 20,553.87
	\$ 7,802.40	\$ 8,193.60	\$ 8,603.20	\$ 9,033.60	\$ 9,486.40
	\$ 97.53	\$ 102.42	\$ 107.54	\$ 112.92	\$ 118.58
94	\$ 207,958.40	\$ 218,337.60	\$ 229,278.40	\$ 240,739.20	\$ 252,782.40
	\$ 17,329.87	\$ 18,194.80	\$ 19,106.53	\$ 20,061.60	\$ 21,065.20
	\$ 7,998.40	\$ 8,397.60	\$ 8,818.40	\$ 9,259.20	\$ 9,722.40
	\$ 99.98	\$ 104.97	\$ 110.23	\$ 115.74	\$ 121.53
95	\$ 213,033.60	\$ 223,683.20	\$ 234,873.60	\$ 246,646.40	\$ 258,960.00
	\$ 17,752.80	\$ 18,640.27	\$ 19,572.80	\$ 20,553.87	\$ 21,580.00
	\$ 8,193.60	\$ 8,603.20	\$ 9,033.60	\$ 9,486.40	\$ 9,960.00
	\$ 102.42	\$ 107.54	\$ 112.92	\$ 118.58	\$ 124.50
96	\$ 218,337.60	\$ 229,278.40	\$ 240,739.20	\$ 252,782.40	\$ 265,387.20
	\$ 18,194.80	\$ 19,106.53	\$ 20,061.60	\$ 21,065.20	\$ 22,115.60
	\$ 8,397.60	\$ 8,818.40	\$ 9,259.20	\$ 9,722.40	\$ 10,207.20
	\$ 104.97	\$ 110.23	\$ 115.74	\$ 121.53	\$ 127.59
97	\$ 223,683.20	\$ 234,873.60	\$ 246,646.40	\$ 258,960.00	\$ 271,897.60
	\$ 18,640.27	\$ 19,572.80	\$ 20,553.87	\$ 21,580.00	\$ 22,658.13
	\$ 8,603.20	\$ 9,033.60	\$ 9,486.40	\$ 9,960.00	\$ 10,457.60
	\$ 107.54	\$ 112.92	\$ 118.58	\$ 124.50	\$ 130.72
98	\$ 229,278.40	\$ 240,739.20	\$ 252,782.40	\$ 265,387.20	\$ 278,699.20
	\$ 19,106.53	\$ 20,061.60	\$ 21,065.20	\$ 22,115.60	\$ 23,224.93
	\$ 8,818.40	\$ 9,259.20	\$ 9,722.40	\$ 10,207.20	\$ 10,719.20
	\$ 110.23	\$ 115.74	\$ 121.53	\$ 127.59	\$ 133.99
99	\$ 234,873.60	\$ 246,646.40	\$ 258,960.00	\$ 271,897.60	\$ 285,459.20
	\$ 19,572.80	\$ 20,553.87	\$ 21,580.00	\$ 22,658.13	\$ 23,788.27
	\$ 9,033.60	\$ 9,486.40	\$ 9,960.00	\$ 10,457.60	\$ 10,979.20
	\$ 112.92	\$ 118.58	\$ 124.50	\$ 130.72	\$ 137.24
100	\$ 240,739.20	\$ 252,782.40	\$ 265,387.20	\$ 278,699.20	\$ 292,635.20
	\$ 20,061.60	\$ 21,065.20	\$ 22,115.60	\$ 23,224.93	\$ 24,386.27
	\$ 9,259.20	\$ 9,722.40	\$ 10,207.20	\$ 10,719.20	\$ 11,255.20
	\$ 115.74	\$ 121.53	\$ 127.59	\$ 133.99	\$ 140.69

## ELK GROVE WATER DISTRICT

### General Manager Salary Annual, Monthly, Bi-Weekly & Hourly Wage As of July 1, 2024 (4.67% COLA)

General Manager	
GM	\$ 215,823
	\$ 17,985
	\$ 8,301
	\$ 103.76

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## ACRONYMS & GLOSSARY OF TERMS

### A

**Account** – A category that identifies the justification of the transaction of funds received or paid.

**Account Balance** – The difference in dollars between the total debits and the total credits in an account.

**Accrual Basis of Accounting** – A basis of accounting under which increases and decreases in economic resources are recognized as soon as the underlying event or transaction occurs. Revenues are recognized when earned and expenses are recognized when incurred, regardless of the timing of related cash flows.

**Accrual** – The recognition of a revenue or expense in the current period even though the actual cash may not be received or paid until the following period.

**Acre-foot of Water** – The volume of water that covers one acre to a depth of one foot; 43,560 cubic feet; 1,233.5 cubic meters; 325,872 gallons.

**Actual** – The final audited revenue / expenditure results of operations for the fiscal year indicated.

**ACWA** – Association of California Water Agencies.

**AICPA** – American Institute of Certified Public Accountants.

**Amortization** – Gradual reduction, redemption, or liquidation of the balance of an account according to specified times and amounts.

**Assets** – Resources owned or held by EGWD/FRCD which have monetary value.

**Audit** – An examination of the books and records of EGWD/FRCD to determine financial status and results of operations (excess or loss).

**AWWA** – American Water Works Association.

### B

**Backflow** – The backing up of water through a conduit or channel in the direction opposite to normal flow.

**BMPs** – Best Management Practices.

**Board of Directors** – The EGWD/FRCD is governed by a Board, the members of which are elected by the voters within the FRCD boundaries. The Board sets policy and provides overall leadership for EGWD/FRCD including the mission, goals, priorities and resource allocation.

**Bond Issuance Costs** – The costs incurred by the bond issuer during the planning, marketing and sale of a bond issue.

**Bonds** – Fixed income instruments that represent loans made by investors to borrowers.

**Budget Calendar** – The schedule of key dates or milestones which the District follows in the preparation, adoption, and administration of the budget.

**Budgetary Control** – The control of management in accordance with the approved budget to keep expenditures within the limitations of available appropriations and available revenues.

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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**C**

**CAC** – Community Advisory Committee.

**CalPERS** – California Public Employees Retirement System.

**Capital Equipment (Assets)** – Fixed assets such as vehicles, computers, equipment, technical instruments, etc., which have a life expectancy of more than one year and a value over \$5,000.

**Cash Flows** – The movement of cash in and out of the District from day-to-day activities.

**Cash Management** – The management of cash flows in such a way that interest and penalties paid are minimized and interest earned is maximized. Funds received are deposited on the day of receipt and invested as soon as the funds are available. The District maximizes the return on all funds available for investment without sacrifice of safety or necessary liquidity.

**CCF** – Centum cubic feet.

**CCR** – Consumer Confidence Report.

**CIP** – Capital Improvement Program.

**COLA** – Cost of Living Adjustment.

**CMTA** – California Municipal Treasurer’s Association.

**Consumer Price Index (CPI)** – A statistical description of price levels provided by the U.S. Department of Labor. The index is used as a measure of the increase in the cost of living or doing business (i.e. economic inflation).

**CSDA** – California Special Districts Association.

**CSR** – Customer Service Representative.

**CSMFO** – California Society of Municipal Finance Officers.

**Current Assets** – Cash plus assets that are expected to be converted to cash, sold or consumed during the next 12 months or as a part of the normal operating cycle.

**Current Liabilities** – Obligations that will become due within the next year or within the normal operating cycle, if longer than a year.

**D**

**Debt** – An obligation resulting from the borrowing of money or from the purchase of goods and services. These include bonds and accounts payable.

**Debt Service** – The payment of principal and interest on any short-term and long-term debt.

**Debt Service Requirements** – The amount of money required to pay interest and principal on outstanding debt.

**Depreciation** – The allocation of the acquisition cost of plant, property and equipment to the particular periods or products that benefit from the utilization of the asset in service.

**E**

**Easement** – An acquired legal right to the use of land owned by others.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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**ECCP** – Employee Cost Control Program.

**EGWD** – Elk Grove Water District.

**Enterprise Fund** – A fund established to account for the operation of self-supporting enterprises.

**Expenditures** – A decrease in net financial resources, actual payment for goods and services received.

## **F**

**Financial Statement** – A set of summary documents which pertain to financial information that consist of the following: Balance Sheet or Combining Schedule of Net Assets, Income Statement or Combining Schedule of Revenues and Expenses, Statement of Cash Flows, Notes of Financial Statements and, in the District’s case, various Supplements, Schedules, etc.

**Fiscal Policy** – The District’s policies with respect to revenues, spending, and debt management as these relate to services, programs and capital investment.

**Fixed Assets** – Long-term tangible assets that have a normal use expectancy of more than one year and do not lose their individual identity through use. Fixed assets include primarily buildings, equipment, and land.

**FRCD** – Florin Resource Conservation District.

**FTE** – Full Time Equivalent.

**Fund** – A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

**Fund Balance** – The cumulative difference of all revenues and all expenditures of the fund from the time the District was established. Fund balance is also considered to be the difference between fund assets and fund liabilities and is sometimes referred to as “fund equity” at any given point in time.

## **G**

**Generally Accepted Accounting Principles (GAAP)** – Uniform minimum standards of, and guidelines for, external financial accounting and reporting. They govern the form and content of the basic financial statements of an entity. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices at a particular time. They include not only broad guidelines of general application, but also detailed practices and procedures. GAAP provides a standard by which to measure financial presentations. The primary authoritative statement on the application of GAAP to state and local governments is Government Accounting Standards Board (GASB) pronouncements.

**Geographic Information System (GIS)** – An organized collection of computer hardware, software and geographic data designed to efficiently capture, store, update, manipulate, analyze, and display all forms of geographically referenced information.

**Goals** – General statements of desired state, condition, or situation to be achieved, which may be viewed from a short or long-term perspective.

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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**Governmental Accounting Standards Board (GASB)** – Their mission is to establish and improve standards of state and local governmental accounting and financial reporting that will result in useful information for users of financial reports.

**Governmental Finance Officers of America (GFOA)** – Their purpose is to enhance and promote the professional management of governments for the public benefit. The GFOA accomplishes this mission by identifying and developing financial policies and practices and promoting them through education, training and leadership.

**Groundwater** – Water produced by pumping from underground.

**GSP** – Groundwater Sustainability Plan.

**H**

**I**

**Independent Auditor** – External public accounting firm hired to audit the annual financial statements and express an opinion on those statements as to conformity with generally accepted accounting principles.

**Infrastructure** – District owned capital assets that provide services to the ratepayers.

**Internal Control** – Methods and procedures that are primarily concerned with the authorization of transactions, safeguarding of assets, and accuracy of the financial records.

**Inventories** – Items held for future use.

**Investment Income** – Income derived by investing certain fund balance in interest-yielding securities in compliance with the provisions of the District’s Investment policy.

**J**

**K**

**L**

**Liabilities** – Obligations incurred in past or current transactions requiring present or future settlement.

**Long-Term Debt** – Debt with a maturity of more than one year after the date of issuance.

**M**

**Meter** – An instrument of measuring the flow of water.

**MGD** – Million gallons per day.

**Mid-Year Review** – Midway through the fiscal year the current year budget is evaluated based on spending to date and current projections. The primary areas reviewed and analyzed are year-to-date expenditure and revenue status plus expenditure and revenue projections for the remainder of the year.

**Modified Accrual Basis** – The accrual basis of accounting adapted to the governmental fund type. Revenues are recognized when they become both “measurable” and “available to finance

**Florin Resource Conservation District/Elk Grove Water District**  
**Fiscal Year 2023-24 Operating Budget**

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expenditures of the current period.” Expenditures are recognized when the liability is incurred except on long-term debt which is recognized when due.

**N**

**Net Position** – The difference between the District’s assets plus deferred outflows of resources and the District’s liabilities plus deferred inflows of resources.

**Notes Payable** – Long or short-term obligations that are payable according to a contract or agreement in which the timeframe is executed.

**NSF** – Non-sufficient funds.

**O**

**Objective** – A statement of purpose defined more specifically than goals, defining the result-oriented activities necessary to achieve a stated goal.

**Obligation** – Amounts which the District may be legally required to meet out of its resources and includes not only actual liabilities, but also encumbrances not yet paid.

**OPEB** – Other Post Employment Benefit.

**Operating Expense** – All costs required for the daily operation of the District necessary to provide services and maintain the systems in good operating condition that are not considered capital improvements or debt repayments.

**Overtime** – Hours worked in excess of 40 hours per work week or hours worked in excess of those scheduled in a shift.

**P**

**Projected** – An estimate of revenues or expenditures based on past trends, the present economic situation and future financial forecasts.

**PTO** – Personal time off.

**Q**

**R**

**Ratepayers**– Those being provided with water service by Elk Grove Water District.

**Refunding Bonds** – Bonds issued to retire bonds already outstanding.

**Reimbursements** – Payment made to someone for out-of-pocket expenses incurred.

**Reserves** – An account used to indicate that a portion of a fund’s assets are restricted for a specific purpose.

**Revenue** – An inflow of assets in exchange for services.

**Revenue Bonds** – Municipal bonds that finance income-producing projects and are secured by a specific revenue source.

**Risk Management** – A coordinated effort to minimize costs – typically where insurance policies are purchased to manage the District’s exposure to various risks of loss; Workers’ Compensation; theft

**Florin Resource Conservation District/Elk Grove Water District  
Fiscal Year 2023-24 Operating Budget**

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of, damage to, and destruction of assets, errors and omissions; injuries to employees; and natural disasters.

**RRWTF** – Railroad Water Treatment Facility.

**RWA** – Regional Water Authority.

## **S**

**SCADA System** – “*Supervisory Control and Data Acquisition*” System. The computer system that collects data, processes the data and allows operating personnel to take corrective actions.

**SCGA** – Sacramento Central Groundwater Authority.

**SCWA** – Sacramento County Water Agency.

**SDLF** – Special District Leadership Foundation.

**SOP** – Standard operating procedures.

## **T**

**Treated Water** – Water which has been processed through the District’s water treatment plant(s) or imported from other utilities to supplement the EGWD’s water supplies.

## **U**

## **V**

**Variance** – The dollar and/or percentage difference between two sets of figures.

**VFD** – Variable frequency drive.

**VTO** – Vacation time off.

## **W**

**Water Conservation** – Reducing the demand for water through activities that alter water use practices, e.g., improving efficiency in water use, and reducing losses of water from leaks.

**Water Quality** – The chemical, physical and biological characteristics of water with respect to its suitability for a particular purpose. The same water may be of good quality for one purpose or use, and bad for another, depending on its characteristics and the requirements for the particular use.

**Well** – A vertical drilled hole into an underground formation, usually to obtain a source of water, to monitor ground water quality or to determine the position of the water table.

**WDO** – Water Distribution Operator.

## **X**

## **Y**

## **Z**

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District  
FROM: Travis Franklin, Program Manager  
SUBJECT: **LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

### **RECOMMENDATION**

This item is presented as information although the Florin Resource Conservation District Board of Directors may provide an action to authorize staff to respond to a legislative item.

### **SUMMARY**

There are several bills that have been introduced in the 2023 legislative session that could potentially impact the Florin Resource Conservation District/Elk Grove Water District (District) if passed. These bills are highlighted below.

### **DISCUSSION**

#### **Background**

The Florin Resource Conservation District (FRCD) Board of Directors (Board) is periodically updated on legislative and regulatory issues.

#### **Present Situation**

The following bills have been introduced in the 2023 legislative session that could potentially impact the District if passed in their current form.

#### **AB 30 (Ward D) Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program.**

This bill will rename an existing Atmospheric Rivers research program from the Atmospheric Rivers: Research, Mitigation, and Climate Forecasting Program to the Atmospheric Rivers Research and Forecast Improvement Program: Enabling Climate Adaptation Through Forecast-Informed Reservoir Operations and Hazard Resiliency (AR/FIRO) Program, and make various changes to the program, as specified. This bill changes the research directive of the Department of Water Resources (DWR): The department shall research, develop, and implement new observations, prediction models, novel forecasting methods, and tailored decision support systems to improve predictions of atmospheric rivers and their impacts on water supply, flooding, post-wildfire debris

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

Page 2

flows, and environmental conditions. Regional Water Authority (RWA) and California Special Districts Association (CSDA) have taken a support position.

**AB 249 (Holden D) Water: school sites: lead testing: conservation.**

This bill would require a community water system that serves a school site to test for lead in the potable water system outlets of the school site before January 1, 2027, except for potable water system outlets in buildings that were either constructed after January 1, 2010, or modernized after January 1, 2010, and all faucets and other end point devices used for providing potable water were replaced as part of the modernization. The bill would require the community water system to report its findings to the applicable school or local educational agency and to the State Water Resources Control Board (SWRCB). The bill would require the local educational agency or school, if the lead level exceeds a specified level at a school site, to notify the parents and guardians of the pupils who attend the school site or preschool, take immediate steps to make inoperable and shut down from use all fountains and faucets where the excess lead levels may exist, and work with the school sites under its jurisdiction to ensure that a potable source of drinking water is provided for pupils, as specified. The bill would require a community water system to prepare a sampling plan for each school site where lead sampling is required under these provisions. The bill would require the state board to make the results of school site lead sampling publicly available by posting the results on its internet website. CSDA has taken an oppose position.

**AB 460 (Bauer-Kahan D) State Water Resources Control Board: interim relief.**

This bill authorizes the SWRCB to issue an interim relief order in appropriate circumstances, after notice and an opportunity for a hearing, in adjudicative proceedings to apply or enforce any of the following:

- (1) Section 2 of Article X of the California Constitution.
- (2) The public trust doctrine.
- (3) Water quality objectives or principals and guidelines adopted under subdivision (b) of Section 13142, Section 13149, Section 13170, or 13241.
- (4) The requirements set forth in permits, licenses, certificates, and registrations issued under Part 2 (commencing with Section 1200), including actions that invoke the board's reserved jurisdiction or continuing authority.
- (5) Section 5937 of the Fish and Game Code.

The Association of California Water Agencies (ACWA) has taken an oppose position. RWA has taken an oppose unless amended position.



**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

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**AB 560 (Bennett D) Sustainable Groundwater Management Act: groundwater adjudication.**

This bill would require the court to refer a proposed judgment in specified adjudication proceedings to the SWRCB for an advisory determination as to whether the proposed judgment will substantially impair the ability of a groundwater sustainability agency, the SWRCB, or the Department of Water Resources (DWR) to comply with the act and to achieve sustainable groundwater management. RWA has taken an oppose position.

**AB 557 (Hart D) Open meetings: local agencies: teleconferences.**

This bill would extend the teleconferencing provisions when a declared state of emergency is in effect, or in other situations related to public health indefinitely. The bill would also extend the period for a legislative body to make the above-described findings related to a continuing state of emergency and social distancing to not later than 45 days after the first teleconferenced meeting, and every 45 days thereafter, in order to continue to meet under the abbreviated teleconferencing procedures. CSDA is the sponsor of this bill.

**AB 676 (Bennett D) Water: general state policy.**

Current law establishes various state water policies, including the policy that the use of water for domestic purposes is the highest use of water and that the next highest use is for irrigation. This bill would instead declare that the use of water for health and safety purposes is the highest use of water. RWA has taken an oppose position.

**AB 755 (Papan D) Water: public entity: cost-of-service analysis**

This bill requires a public entity, when conducting a cost-of-service analysis, to (1) identify and make publicly available on the entity's website the incremental costs incurred by major water users in the single-family residential class and (2) identify the incremental costs that would be avoided if major water users met a specified efficiency goal.

**AB 779 (Wilson D) Groundwater: adjudication.**

This bill would require the court to invite a representative from the department or the SWRCB to provide technical assistance or expert testimony on the amount of water in the basin subject to adjudication, equitable and sustainable pumping allocations for the basin, and sustainable groundwater management best practices and recommendations. The bill would require the court to take into account the needs of small farmers and

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

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disadvantaged communities, as those terms are defined, when entering a judgment. RWA has taken an oppose position.

**AB 900 (Bennett D) Aquifer recharge: grant program: streamlined permitting.**

This bill would require DWR to prepare and produce a report outlining best practices for aquifer recharge. The bill would require the report to include guidelines for a streamlined permitting process for aquifer recharge projects that implement the best practices outlined in the report. The bill would also require the department to create a grant program to implement best practices in aquifer recharge, including a streamlined process for the issuance of a permit.

**AB 1337 (Wicks D) State Water Resources Control Board: water shortage enforcement.**

This bill would authorize the SWRCB to adopt regulations for various water conservation purposes, including, but not limited to, to prevent the waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of water, and to implement these regulations through orders curtailing the diversion or use of water under any claim of right. ACWA has taken an oppose position. RWA has taken an oppose position.

**AB 1563 (Bennett D) Groundwater sustainability agency: groundwater extraction permit: verification.**

Existing law authorizes a groundwater sustainability agency to request of the county, and requires a county to consider, that the county forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the agency before permit approval. This bill would instead require a county to forward permit requests for the construction of new groundwater wells, the enlarging of existing groundwater wells, and the reactivation of abandoned groundwater wells to the groundwater sustainability agency before permit approval.

**AB 1567 (Garcia D) Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2023.**

This bill would enact the Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2023, which, if approved by the voters, would authorize the issuance of \$15.1 billion of

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

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Page 5

bonds pursuant to the State General Obligation Bond Law to finance projects for safe drinking water, wildfire prevention, drought preparation, flood protection, extreme heat mitigation, and workforce development programs. Would provide for the submission of these provisions to the voters at the November 5, 2024, statewide general election. ACWA has a support if amended position on the bill.

**AB 1572 (Friedman D) Potable water: nonfunctional turf.**

This bill would prohibit the use of potable water, as defined, for the irrigation of nonfunctional turf located on commercial, industrial, municipal, institutional, and multifamily residential properties, as specified. ACWA has taken an oppose unless amended position on this bill with amendments centered on addressing the requirements on local agencies for enforcement, reporting, and protection of tree health. RWA has taken an oppose unless amended position.

**AB 1637 (Irwin D) Local government: internet websites and email addresses.**

This bill, no later than January 1, 2026, would require a local agency that maintains a for use by the public to ensure that the website utilizes a “.gov” top-level domain or a “.ca.gov” second-level domain. This bill, no later than January 1, 2026, would also require a local agency that maintains public email addresses to ensure that each email address provided to its employees utilizes a “.gov” domain name or a “.ca.gov” domain name. CSDA has taken an oppose unless amended position.

**SB 23 (Caballero D) Water supply and flood risk reduction projects: expedited permitting.**

SB 23 would streamline the regulatory permitting of water supply and flood risk reduction projects in four ways. It would reform the process by which an application for a Section 401 Water Quality Certification is deemed complete. It would require the review and approval of Section 401 Water Quality Certifications and Lake and Streambed Alteration Agreements to be completed within 180 days of submittal of a complete permit application. It would avoid duplicative planning efforts by allowing certain watershed management plans that are already developed and implemented to be used for mitigation required through Section 401 Water Quality Certifications. It would allow project applicants to voluntarily contribute resources to state permitting agencies to provide agencies with additional resources to meet the permitting. ACWA and CSDA have taken a support letter and the District joined a coalition letter authored by ACWA.

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

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**SB 48 (Becker D) Water and Energy Savings Act.**

Current law requires each utility to maintain records of the energy usage data of all buildings to which they provide service for at least the most recent 12 complete calendar months, and to deliver or otherwise provide that aggregated energy usage data for each covered building, as defined, to the owner, as specified. This bill would expand those requirements, beginning January 1, 2025, to include each utility that provides water service and its water usage data. RWA has taken an oppose unless amended position.

**SB 66 (Hurtado D) Water: predictive models and data collection.**

Current law requires DWR, as part of updating The California Water Plan every five years, to conduct a study to determine the amount of water needed to meet the state's future needs and to recommend programs, policies, and facilities to meet those needs. This bill would state the intent of the Legislature to ensure that reliable predictive models and data collection systems are used to properly forecast and allocate surface water.

**SB 231 (Hurtado D) Drought modeling.**

Current law requires DWR to include a discussion of various strategies in the California Water Plan update, including, but not limited to, strategies relating to the development of new water storage facilities, water conservation, water recycling, desalination, conjunctive use, water transfers, and alternative pricing policies that may be pursued to meet the future needs of the state. This bill would state the intent of the Legislature to enact subsequent legislation to require DWR to modify its predictive models as necessary to account for California's persistent drought.

**SB 366 (Caballero D) The California Water Plan: long-term supply targets.**

This bill would make legislative findings and declarations and state the intent of the Legislature to enact future legislation that modernizes the California Water Plan, including the establishment of long-term water supply targets.

**SB 389 (Allen D) State Water Resources Control Board: determination of water right.**

This bill would authorize the SWRCB to investigate the diversion and use of water from a stream system to determine whether the diversion and use are based upon appropriation, riparian right, or other basis of right. This bill would make a water right holder prove by the preponderance of evidence the basis of their right in a state board proceeding to

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

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determine a diversion and basis of right. RWA has taken an oppose unless amended position.

**SB 659 (Ashby D) Groundwater recharge: minimum requirement.**

This bill would establish a statewide goal for the ability to do 10 million acre-feet of groundwater recharge a wet year by 2035. This bill would task DWR in consultation with the Water Board with developing a plan to achieve the goal. This is an RWA co-sponsored bill.

**SB 867 (Allen D) Drought and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, and Park Creation and Outdoor Access Bond Act of 2023.**

This bill would enact the Drought and Water Resilience, Wildfire and Forest Resilience, Coastal Resilience, Extreme Heat Mitigation, Biodiversity and Nature-Based Climate Solutions, Climate Smart Agriculture, and Park Creation and Outdoor Access Bond Act of 2023, which, if approved by the voters, would authorize the issuance of bonds in an unspecified amount pursuant to the State General Obligation Bond Law to finance projects for drought and water resilience, wildfire and forest resilience, coastal resilience, extreme heat mitigation, biodiversity and nature-based climate solutions, climate smart agriculture, and park creation and outdoor access programs. The District joined the ACWA coalition letter of support. RWA has taken a support if amended position.

Staff will continue to monitor these bills along with any other bills which may affect District operations.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

Tracking active legislation complies with the District's Water Industry Leadership goals of the 2020-2025 Strategic Plan.

May 16, 2023

**LEGISLATIVE MATTERS AND POTENTIAL DIRECTION TO STAFF**

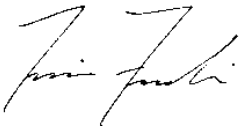
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**FINANCIAL SUMMARY**

There is no direct financial impact associated with this report.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Travis Franklin". The signature is written in a cursive, flowing style.

TRAVIS FRANKLIN  
PROGRAM MANAGER

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Bruce Kamilos, General Manager

SUBJECT: **GENERAL MANAGER'S REPORT**

---

### **RECOMMENDATION**

This item is presented to the Florin Resource Conservation District Board of Directors for information, discussion, and in some instances, to provide direction to staff.

### **SUMMARY**

The General Manager's Report is a standing item on the regular board meeting agenda. The report is intended to inform the Florin Resource Conservation District/Elk Grove Water District (District) Board of Directors (Board) of notable, miscellaneous items the General Manager would like to share with the Board. The report also provides an opportunity for the Board to discuss the items, and in some instances provide direction to staff.

### **DISCUSSION**

#### **Background**

Each month, the General Manager provides a report to the Board of any notable, miscellaneous items.

#### **Present Situation**

- **Water Supply and Demand Assessment** – In 2018, the California Legislature enacted into law new requirements for urban water suppliers to increase drought resilience and to improve communication of water shortage response actions. Each urban water supplier is required to prepare an Annual Water Supply and Demand Assessment and submit an Annual Water Shortage Assessment Report to the California Department of Water Resources no later than July 1 of every year. Staff will provide a brief overview of the Annual Water Shortage Assessment Report.
- **Healthy Soils Program** – The Placer Resource Conservation District (RCD) is pursuing a block grant from the California Department of Food and Agricultural to administer a healthy soils program. Placer RCD would provide direct help to farmers to implement practices on farms that build healthy soils and sequester greenhouse gases. (Refer to Attachment 1.) Brian Pimentel of Placer RCD asked if it would be okay to include farms

**GENERAL MANAGER'S REPORT**

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Page 2

in the Florin RCD service area. Staff at Placer RCD would work directly with farmers and Florin RCD would not incur any cost or staff time. Because there would be no cost or staff time required, such an arrangement would not violate Resolution 04.18.18.01 (Attachment 2). If supported by the Board, a memorandum of understanding (MOU) would be executed between the two (2) parties that define the arrangement.

- American Water Works Association (AWWA) Drinking Water Week – May 7-13, 2023, was Drinking Water Week. For more than 40 years, AWWA and its members have celebrated Drinking Water Week as an opportunity to recognize the vital role water plays in people’s daily lives. The District posted information on its Facebook page to celebrate the event.
- Association of California Water Agencies (ACWA) Spring Conference – Chair Tom Nelson, Vice Chair Paul Lindsay and General Manager Bruce Kamilos attended the ACWA Spring Conference last week. Staff will provide a brief overview of the highlights.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

This item conforms to the FRCD/EGWD 2020-2025 Strategic Plan. Due to the varied subject matters presented in the General Manager’s Report, the report over time will likely touch on every strategic goal contained in the plan.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully submitted,



BRUCE KAMILOS  
GENERAL MANAGER

Attachments





75 Years of Helping People Help the Land

11641 Blocker Dr. #120  
 Auburn, CA 95603  
 (530) 390-6680  
[www.PlacerRCD.org](http://www.PlacerRCD.org)

## CDFA Healthy Soils Block Grant Meeting

1PM Friday April 28<sup>th</sup>, 2023

Attendance: Amador RCD, El Dorado RCD, Nevada RCD, Placer RCD, Sloughhouse RCD

### Background

The Healthy Soils -Block Grant Pilot Program is a part of the Healthy Soils Program (HSP), which stems from the California Healthy Soils Initiative, a collaboration of state agencies and departments that promotes the development of healthy soils on California's farmlands and ranchlands. The objectives of the HSP are to increase statewide implementation of conservation management practices that improve soil health, sequester carbon and reduce atmospheric greenhouse gases (GHGs).

The Block Grant Pilot Program is designed to facilitate financial assistance to California agricultural operations through regional block grant administrators. The Block Grant Pilot Program grant recipients will select projects and disperse funds to California farmers and ranchers.

### Grant information

- The grant term is four years.
- The minimum and maximum award per block grant application is **\$2,000,000** and **\$5,000,000**.
  - 15% of the awarded funds may be used for all direct and indirect costs of administering the block grant program.
  - In addition to 15% administrative cost, the Block Grant Recipient (BGR) or the technical assistance partners are eligible for up to 5% of awarded funds for technical assistance activities
- Block Grant Recipients may request up to \$30,000 to purchase equipment as 50% cost-share to assist on-farm project implementation.
- The maximum award for an on-farm project is \$200,000 for the grant term of 3 project-years
  - 25% of awards allocated to SDFR (Social Disadvantaged Farmers and Ranchers)
- **Application deadline June 19<sup>th</sup>, 2023**

## Meeting Agenda

- Questions regarding CDFA HSP block grant?
- Framework
  - o Interest to collaborate as group to provide TA and cost-share for farmers in our region.
  - o Placer RCD as lead applicant?
    - Administrative support
  - o Potential Counties covered
    - Nevada, Placer, El Dorado, Sacramento, Amador, Calaveras, Tuolumne, Alpine
    - Any additional partners?
  - o Request amount
    - CDFA may be favoring larger proposals
- Technical assistance
  - o What TA capacity does each RCD have?
  - o TA funds are capped at \$100,000
    - Typically, Small farms require more assistance compared to larger farms
  - o Ways to make TA funds stretch.
    - Employee sharing to cover gaps in TA abilities/availability and outreach efforts
    - Having a mix of large farms to help reduce the TA and Administrative demands
    - Non-lead agencies apply for CDFA Climate Smart Agriculture TA grant
    - Encourage/incentivize applications that have NRCS conservation plans, Carbon farm plans
- Next action steps needed
  - o MOU's?
  - o Collaborative writing platform
    - Google docs or word?

**RESOLUTION NO. 04.18.18.01**

**A RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS DECLARING THAT ALL FUTURE ACTIVITIES PERFORMED BY THE FLORIN RESOURCE CONSERVATION DISTRICT BE LIMITED TO WATER RELATED ACTIVITIES THAT PROVIDE A BENEFIT TO ELK GROVE WATER DISTRICT RATEPAYERS, EFFECTIVE JULY 1, 2018**

**REAFFIRMING ITS FINANCIAL PRACTICES AND AUTHORIZED ACTIVITIES**

WHEREAS, the Florin Resource Conservation District ("District") was formed in 1953, and operates under the authority granted by Chapter 3, Division 9, of the Public Resources Code; and

WHEREAS, the Elk Grove Water District ("EGWD") is a department of the District, and provides retail water service to approximately 45,000 customers within the Elk Grove region; and

WHEREAS, in 2012, the District adopted a five year strategic plan, which highlighted the financial constraints and resource limitations of the District, including the requirement that non-water related conservation projects be cost neutral, and adopted mission statements for the District and EGWD; and

WHEREAS, pursuant to California law, the District structured EGWD as an enterprise-funded department of the District, ensuring that all EGWD financial activities are separate from the non-water utility activities of the District; and

WHEREAS, the total approved operating budget for EGWD for fiscal year 2017-18 was \$14.306 million; and

WHEREAS, the District remains committed to prudent, conservative, and transparent financial practices to reduce long-term debt while continuing to provide EGWD customers with high quality, safe water; and

WHEREAS, among other enumerated powers listed in the District Board By-Laws adopted on February 24, 2010, the District Board of Directors possesses the power to formulate and approve the policies for the operation, administration, and planning of the District's activities; and

WHEREAS, the District has engaged in a number of studies, community outreach and related activities to evaluate the future economics and feasibility of continuing certain activities of FRCD which are unrelated to serving the needs of the customers of the Elk Grove Water District ("EGWD");

WHEREAS, despite the District's efforts, it had not been able to identify a continuing and reliable source of funding for non-water related activities of FRCD;

RE 04.18.18.01

WHEREAS, the District has evaluated a number of options relating to the declining revenues and limited availability of grants or other funding for activities of FRCD relating to soil conservation or similar matters unrelated to EGWD;

WHEREAS, to comply with Proposition 218 limitations on uses of EGWD revenue and in recognition of the lack of reliable funding for non-EGWD activities of FRCD,

NOW THEREFORE, THE BOARD OF DIRECTORS OF THE FLORIN RESOURCE CONSERVATION DISTRICT DOES HEREBY RESOLVE:

SECTION 1. The Board of Directors hereby adopts the foregoing recitals as true and correct, and incorporate them herein by reference.

SECTION 2. The Board of Directors hereby reaffirms its commitment to prudent, conservative, and transparent financial practices that ensure the Florin Resource Conservation District continues to be in compliance with California law.

SECTION 3. The Board of Directors hereby declares that all future activities performed by the Florin Resource Conservation District shall be limited to water related activities that benefit, or otherwise serve, the Elk Grove Water District ratepayers, effective July 1, 2018.

SECTION 4. If any section, subsection, clause or phrase in this Resolution is for any reason held invalid, the validity of the remainder of this Resolution shall not be affected thereby. The Board hereby declares that it would have passed this Resolution and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof be held invalid.

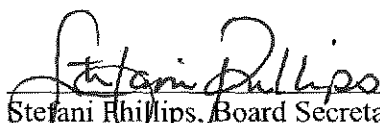
SECTION 5. The Secretary to the Board of Directors shall certify to the adoption of this Resolution.

SECTION 6. This Resolution shall take effect immediately upon its adoption.

PASSED, APPROVED AND ADOPTED this 18<sup>th</sup> day of April, 2018.

  
Tom Nelson, Chairperson

Attest:

  
Stefani Phillips, Board Secretary

May 16, 2023

TO: Chair and Directors of the Florin Resource Conservation District  
FROM: Bruce Kamilos, General Manager  
SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2023**

### **RECOMMENDATION**

This item is presented for information only. No action by the Florin Resource Conservation District Board of Directors is proposed at this time.

### **SUMMARY**

The Elk Grove Water District (EGWD) Operations Report is a standing item on the regular board meeting agenda.

All regulatory requirements were met for the month of April. Other notable events are described below.

### **DISCUSSION**

#### **Background**

Every month, staff presents an update of the activities related to the operations of the EGWD. Included for the Florin Resource Conservation District Board of Director's review is the EGWD's April 2023 Operations Report.

#### **Present Situation**

The EGWD April 2023 Operations Report highlights are as follows:

- **Operations Activities Summary** – 435 door hangers were placed for past due balances, which resulted in 48 shut offs. We received one (1) water pressure complaint and one (1) water quality complaint.
- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of April decreased 8.42 percent compared to what was produced in 2020. The year 2020 is the baseline year the State Water Resources Control Board adopted for water usage. The Total Demand/Production

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2023**

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Page 2

for both service areas on page 14 shows that customer use during the month of April compared to 2020 was down by 11.37 percent.

- **Static and Pumping Level Graphs** – The second quarter soundings are shown and indicate that the static water levels are higher compared to the second quarter of 2022.
- **Treatment (Compliance Reporting)** – All samples taken during the month comply with all regulatory permit requirements. No exceedances of any maximum contaminant levels were found, and all water supplied to EGWD’s customers met or exceeded safe drinking water standards.
- **Corrective Maintenance Program** – The tables included in this section of the report also include certain activities completed to date. Below is a list of out-of-ordinary maintenance work completed in April:
  - Staff completed the filter media replacement CIP for filter vessels 7 and 8 at the Railroad Water Treatment Plant.
  - Staff continued troubleshooting the control system of the HVAC unit at Well 4D Webb. Several components are being replaced.
  - Staff replaced a malfunctioning flow transmitter at the Railroad Water Treatment Plant.
  - Staff investigated the malfunctioning HVAC units on boosters VFD #1 and VFD #6. The HVAC units were returned to service while replacement parts are on order.
  - Staff replaced a failed return pump VFD exhaust fan at the Railroad Water Treatment Plant.
- **Safety Meetings/Training** – Two (2) safety training sessions were conducted for the month which is compliant with OSHA standards.
- **Service and Main Leaks Map** – There was one (1) service line leak and zero main line leaks during April.
- **System Pressures** – Pressures in Service Area 1 generally remained stable during the month of April. Pressures in Service Area 2, which are controlled by Sacramento County Water Agency, were also stable as compared to the previous month.

May 16, 2023

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2023**

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Page 3

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

This item conforms to the FRCD/EGWD 2020-2025 Strategic Plan. The EGWD Operations Report provides an ongoing review of EGWD's operations, and therefore, conforms with Strategic Goal No. 1, Governance and Customer Engagement.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully submitted,



BRUCE KAMILOS  
GENERAL MANAGER

BMK/ac

Attachment

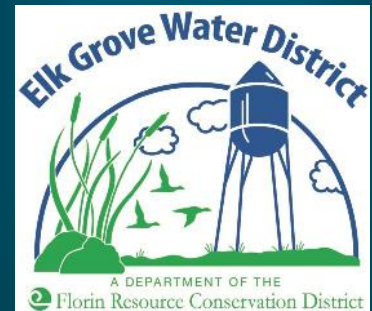
# EGWD

## OPERATIONS REPORT

April 2023



Elk  
Grove  
Water  
District





**Elk Grove Water District**  
**Operations Report**  
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# Operations Activities Summary

## Service Requests:

	April -23		YTD (Since Jan. 1, 2023)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
<b>Distribution</b>				
Door Hangers	435	12	2,075	68
Shut offs	48	7	302	32
Turn ons	6	11	243	31
Investigations	67	16.75	263	65.75
USA Locates	251	62.75	854	213.50
Customer Complaints				
-Pressure	1	0.5	10	5
-Water Quality	1	0.5	1	0.5
-Other	0	0	0	0

## Work Orders:

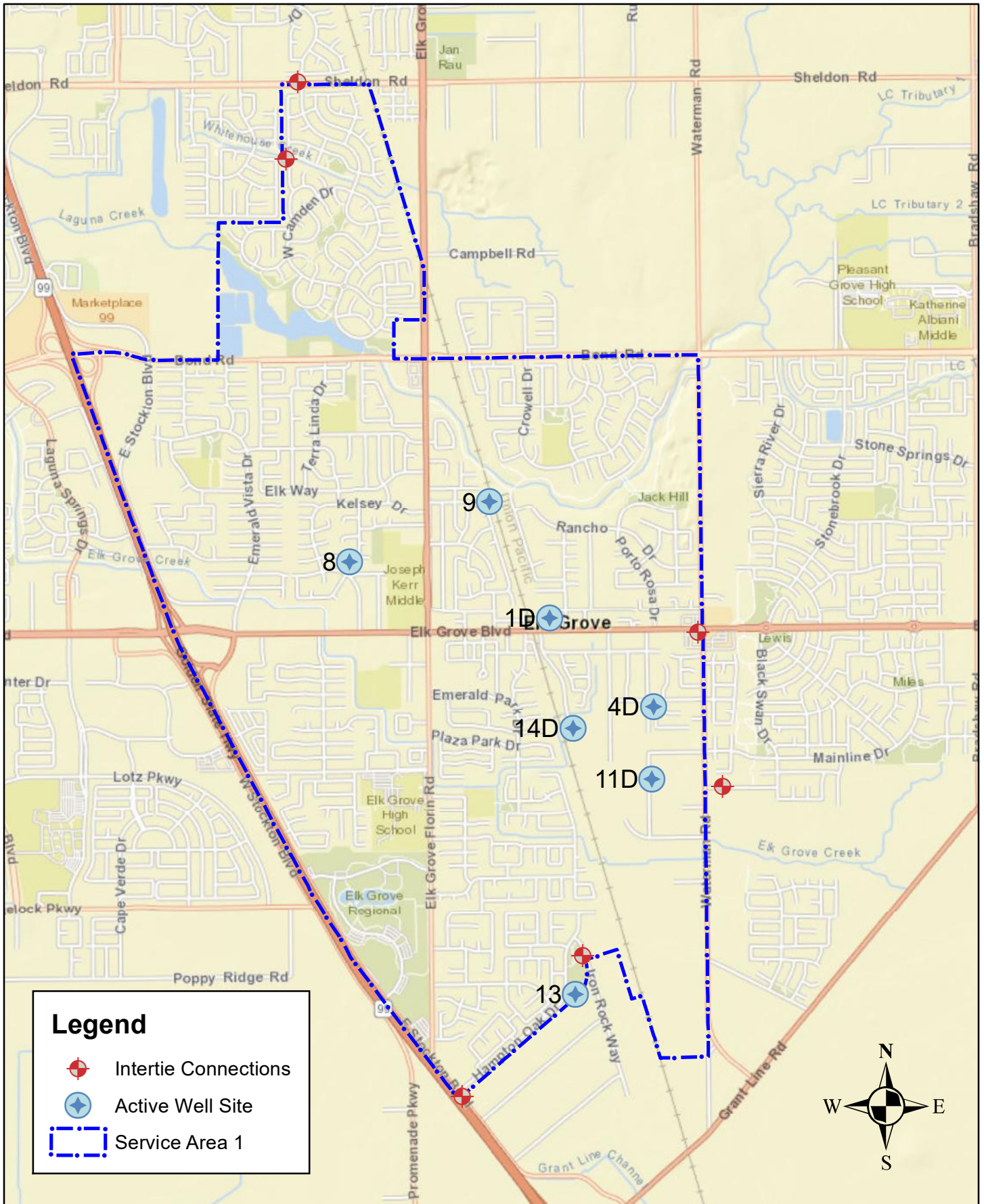
	April -23		YTD (Since Jan. 1, 2023)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
<b>Distribution:</b>				
Meters Installed	0	0	3	1.25
Meter Change Out	8	4	49	26
Preventative Maint.				
-Hydrant Maintenance (45)	45	10	203	52
-Valve Exercising (127)	127	28	508	112
-Other	0	0	0	0
Corrective Maint.				
-Leaks	1	2.25	6	70.75
-Other	35	8.75	69	41.25
Valve Locates	0	0	0	0



# Elk Grove Water District

## Door Hangers and Shut Off Tags





Active Well Sites & Intertie Connections

Elk Grove Water District



## Elk Grove Water District

### Monthly Production

Well ID School -- April 2023

**Selected Month Production**  
4,343,261 Gallons

Average GPM: 1,765  
Pump depth: 275 ft  
Well depth: 1025 ft

**Motor:**

Volts: 471  
Volts (Rated): 460  
RPM: 1790  
RPM (Rated): 2115  
Amps A: 178  
Amps A (Rated): 222  
Amps B: 181  
Amps B (Rated): 222  
Amps C: 175  
Amps C (Rated): 222

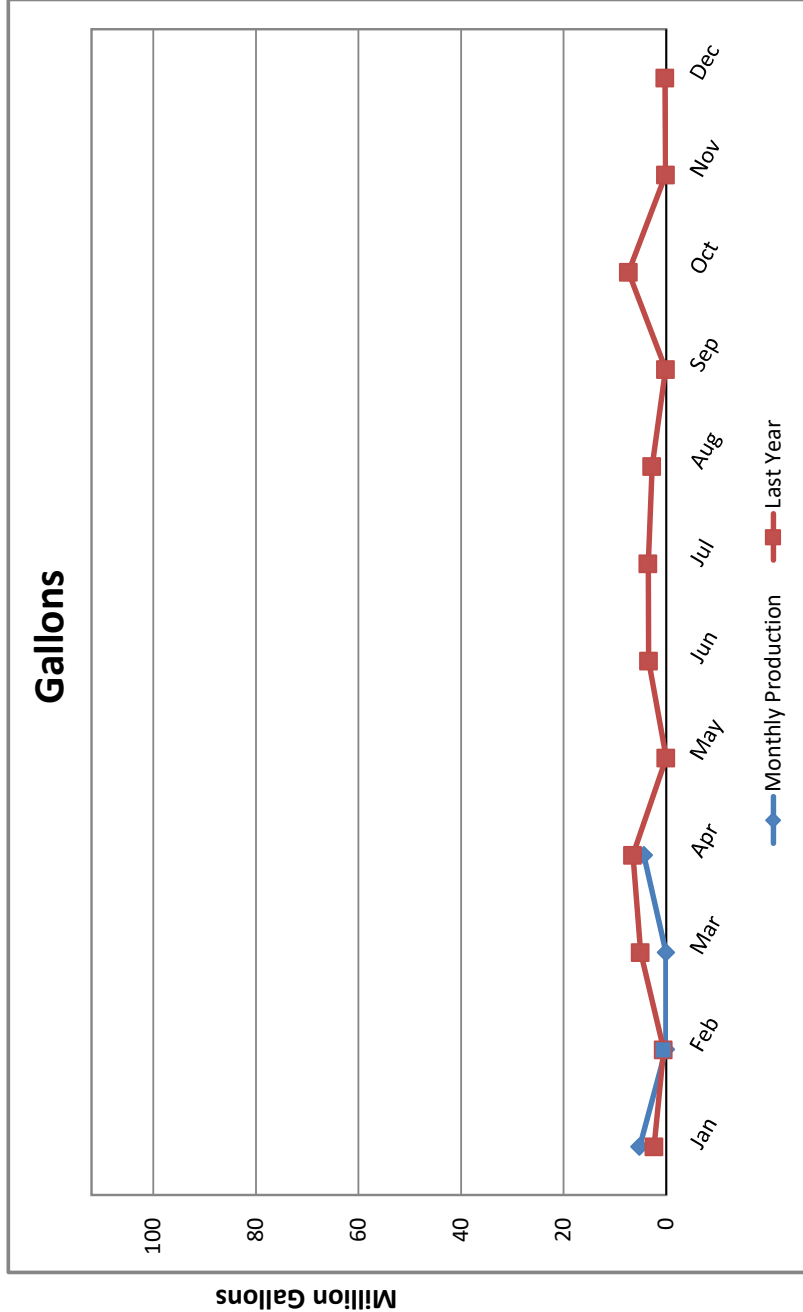
Motor Temp: 84.5 F  
Hour Meter: 41.00

**Chlorine:**

Dosing: 1.59 mg/L  
Demand: 0.69 mg/L  
Residual: 0.9 mg/L

**Vibration Reading:**

Base Line: 0.05 in/sec  
Current: 0.01 in/sec





# Elk Grove Water District

## Monthly Production

Well 4D Webb -- April 2023

**Selected Month Production**  
10,366,223 Gallons

Average GPM: 1693  
Pump depth: 340 ft  
Well depth: 1075 ft

**Motor:**

Volts: 475  
Volts (Rated): 460  
RPM: 1611  
RPM (Rated): 1775  
Amps A: 189  
Amps A (Rated): 225  
Amps B: 183  
Amps B (Rated): 225  
Amps C: 183  
Amps C (Rated): 225

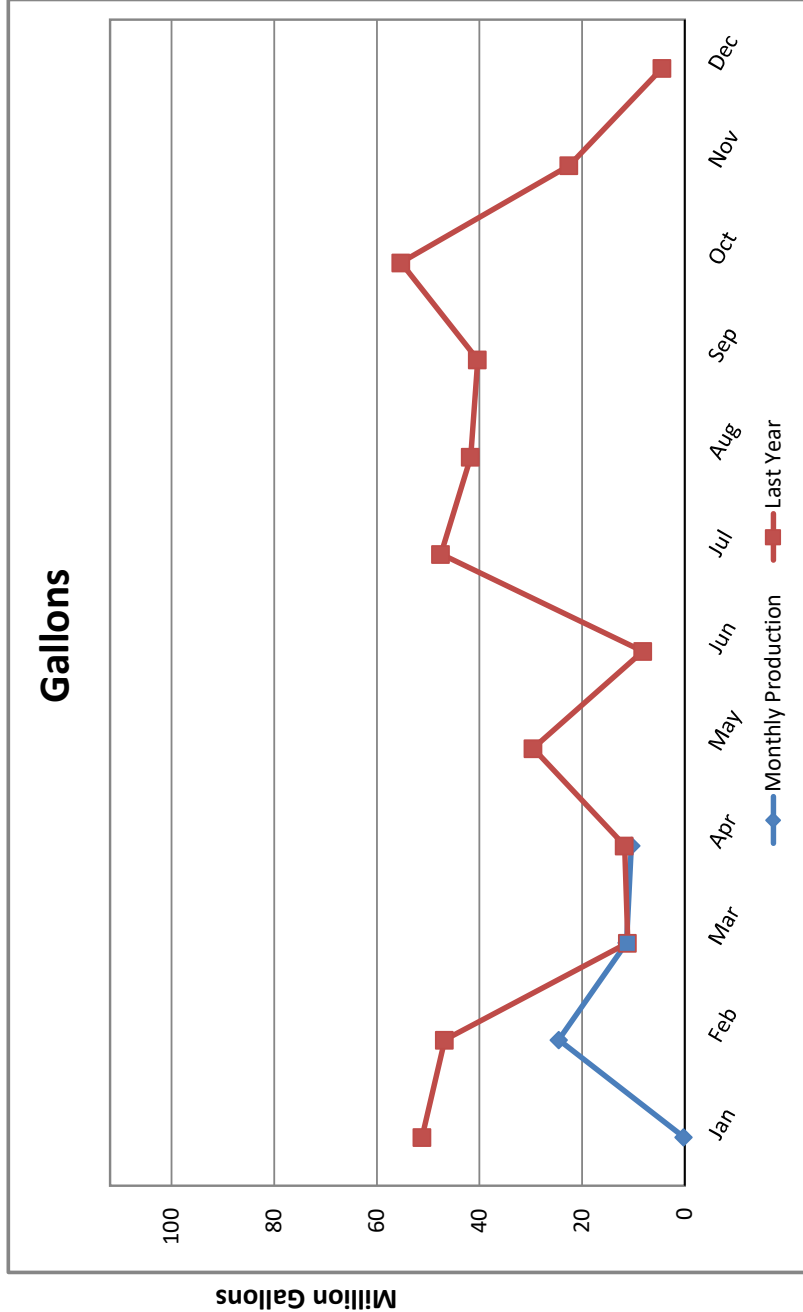
Motor Temp: 141.5 F  
Hour Meter: 102.00

**Chlorine:**

Dosing: 1.68 mg/L  
Demand: 0.62 mg/L  
Residual: 1.06 mg/L

**Vibration Reading:**

Base Line: 0.05 in/sec  
Current: 0.02 in/sec





## Elk Grove Water District

### Monthly Production

Well 11D Dino -- April 2023

**Selected Month Production**  
15,342,119 Gallons

Average GPM: 1700  
Pump depth: 340 ft  
Well depth: 1038 ft

**Motor:**

Volts: 476  
Volts (Rated): 460  
RPM: 1644  
RPM (Rated): 1775  
Amps A: 194  
Amps A (Rated): 225  
Amps B: 188  
Amps B (Rated): 225  
Amps C: 182  
Amps C (Rated): 225

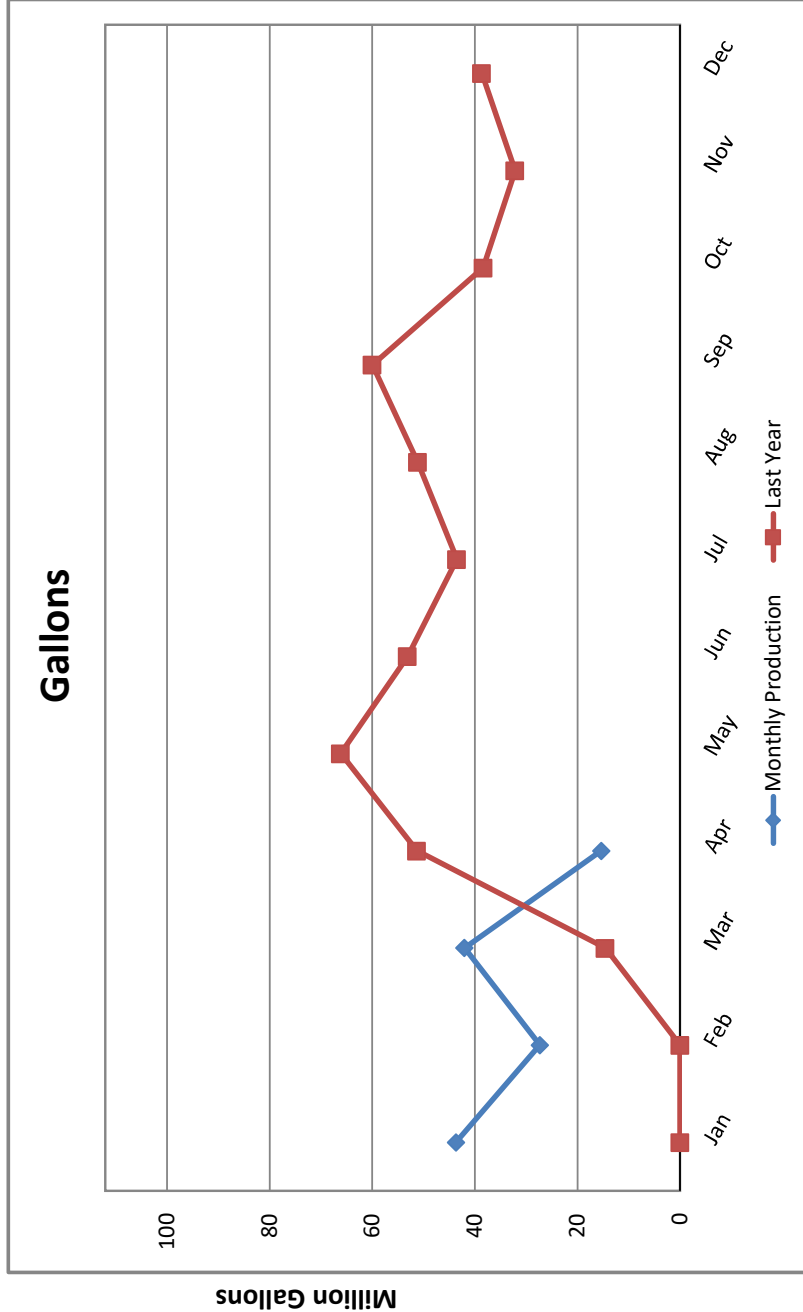
Motor Temp: 99.4 F  
Hour Meter: 150.40

**Chlorine:**

Dosing: 1.68 mg/L  
Demand: 0.7 mg/L  
Residual: 0.98 mg/L

**Vibration Reading:**

Base Line: 0.05 in/sec  
Current: 0.02 in/sec





# Elk Grove Water District

## Monthly Production

Well 14D Railroad -- April 2023

**Selected Month Production**  
31,983,009 Gallons

Average GPM: 1537  
Pump depth: 340 ft  
Well depth: 1051 ft

**Motor:**

Volts: 479  
Volts (Rated): 460  
RPM: 1785  
RPM (Rated): 1785  
Amps A: 164  
Amps A (Rated): 171  
Amps B: 166  
Amps B (Rated): 171  
Amps C: 165  
Amps C (Rated): 171

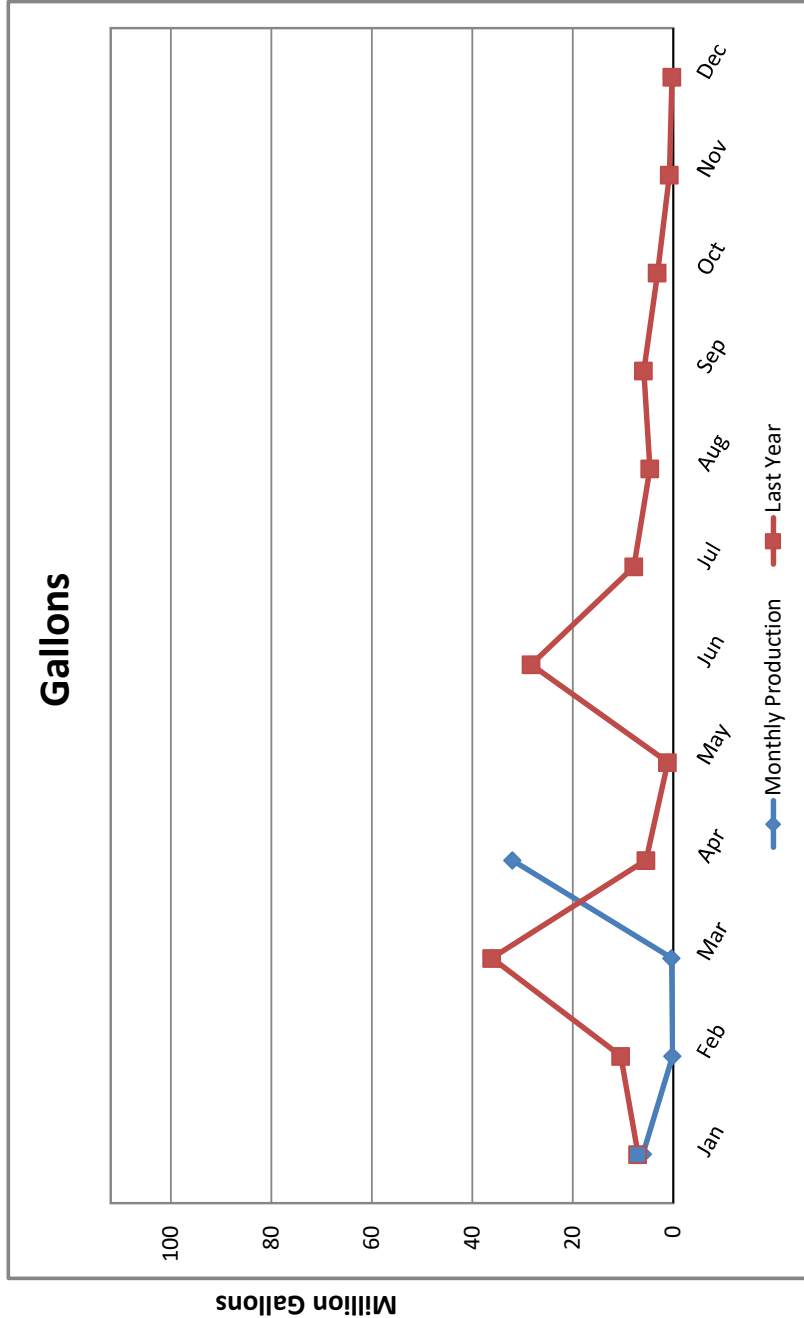
Motor Temp.: 95.0 F  
Hour Meter: 346.70

**Chlorine:**

Dosing: 1.65 mg/L  
Demand: 0.68 mg/L  
Residual: 0.97 mg/L

**Vibration Reading:**

Base Line: 0.02 in/sec  
Current: 0.03 in/sec







## Elk Grove Water District

### Monthly Production

Well 8 Williamson -- April 2023  
(Submersible)

**Selected Month Production**  
14,346,850 Gallons

Average GPM: 558  
Pump depth: 150 ft  
Well depth: 564 ft

**Motor:**

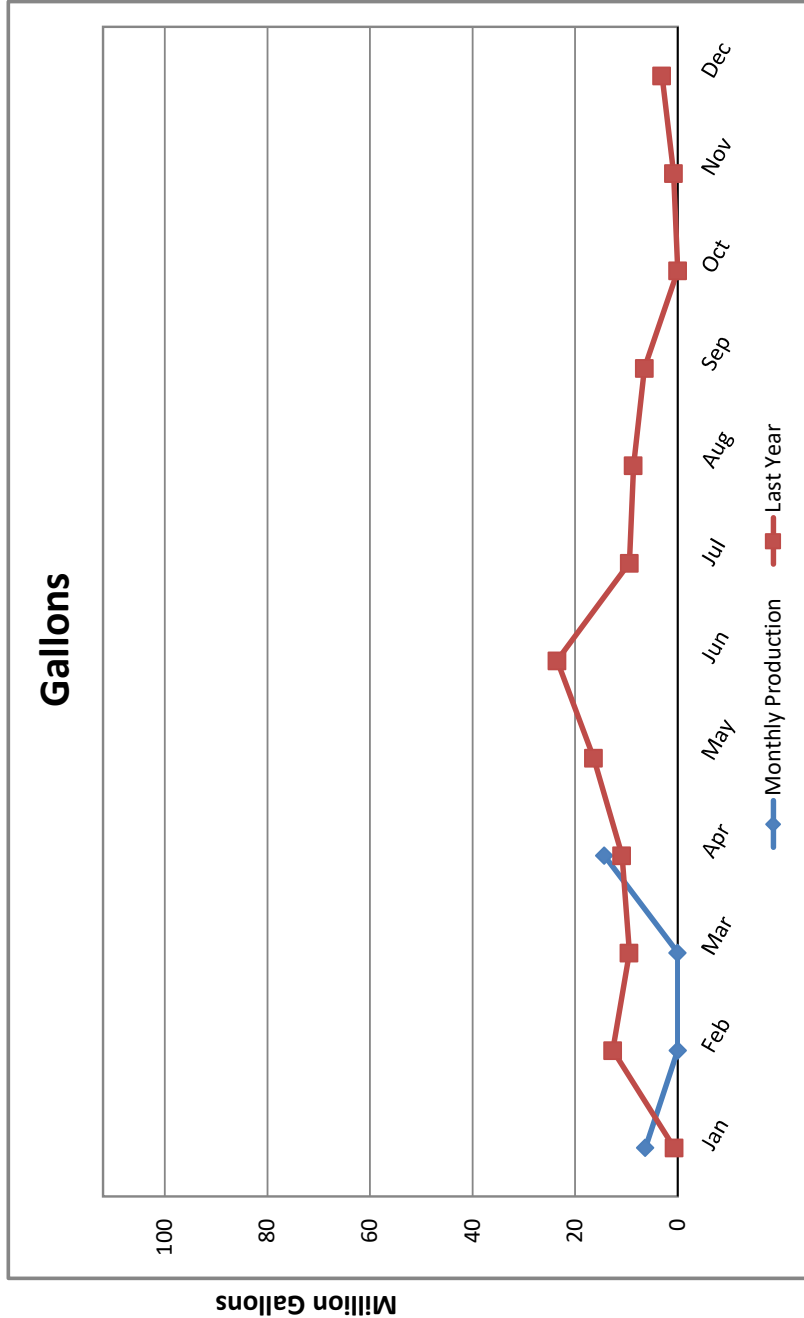
Volts: 459  
Volts (Rated): 460

Amps A: 68  
Amps A (Rated): 65  
Amps B: 68  
Amps B (Rated): 65  
Amps C: 67  
Amps C (Rated): 65

Hour Meter: 132.50

**Chlorine:**

Dosing: 1.29 mg/L  
Demand: 0.2 mg/L  
Residual: 1.09 mg/L





## Elk Grove Water District

### Monthly Production

Well 9 Polhemus -- April 2023  
(Submersible)

**Selected Month Production**  
6,112,938 Gallons

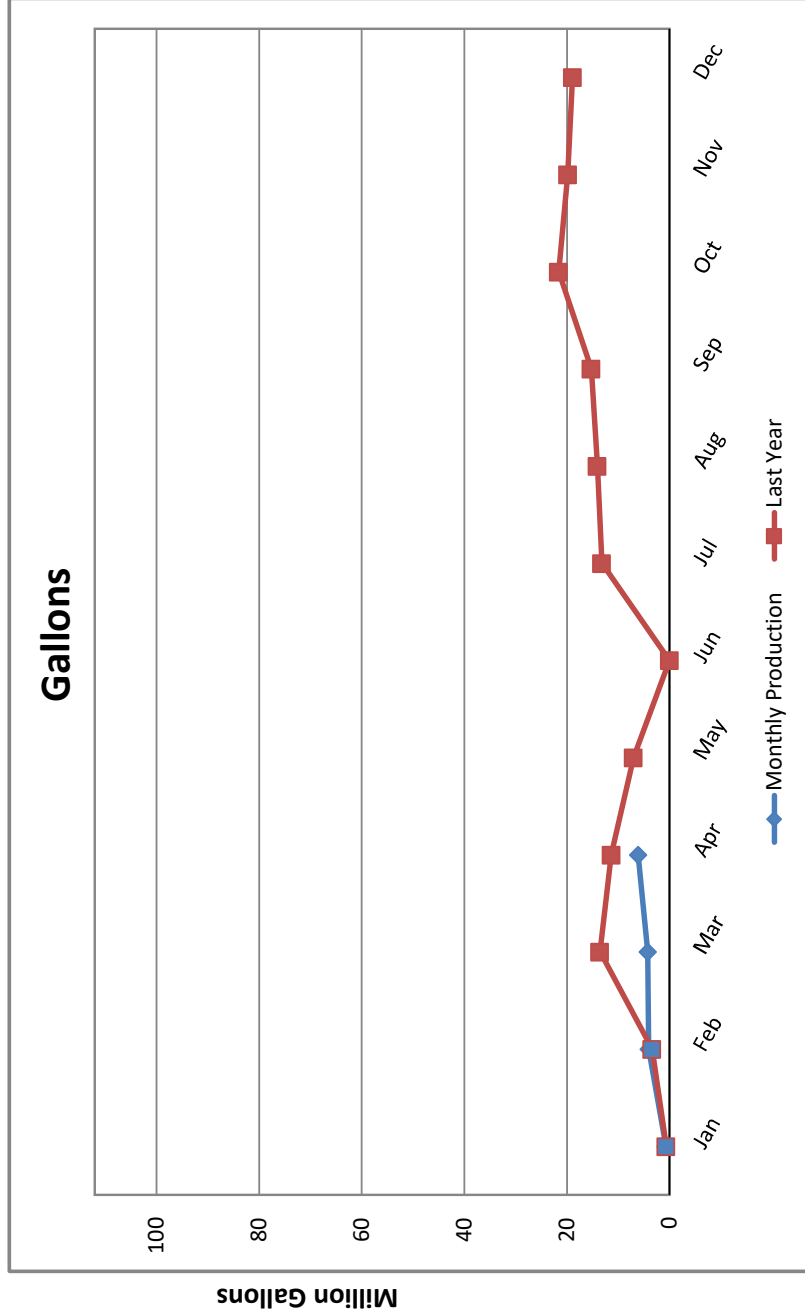
Average GPM: 492  
Pump depth: 150 ft  
Well depth: 556 ft

**Motor:**  
Volts: 480  
Volts (Rated): 460

Amps A: 59  
Amps A (Rated): 65  
Amps B: 58  
Amps B (Rated): 65  
Amps C: 59  
Amps C (Rated): 65

Hour Meter: 206.90

**Chlorine:**  
Dosing: 1.22 mg/L  
Demand: 0.02 mg/L  
Residual: 1.20 mg/L





## Elk Grove Water District

### Monthly Production

Well 13 Hampton -- April 2023

**Selected Month Production**  
711,016 Gallons

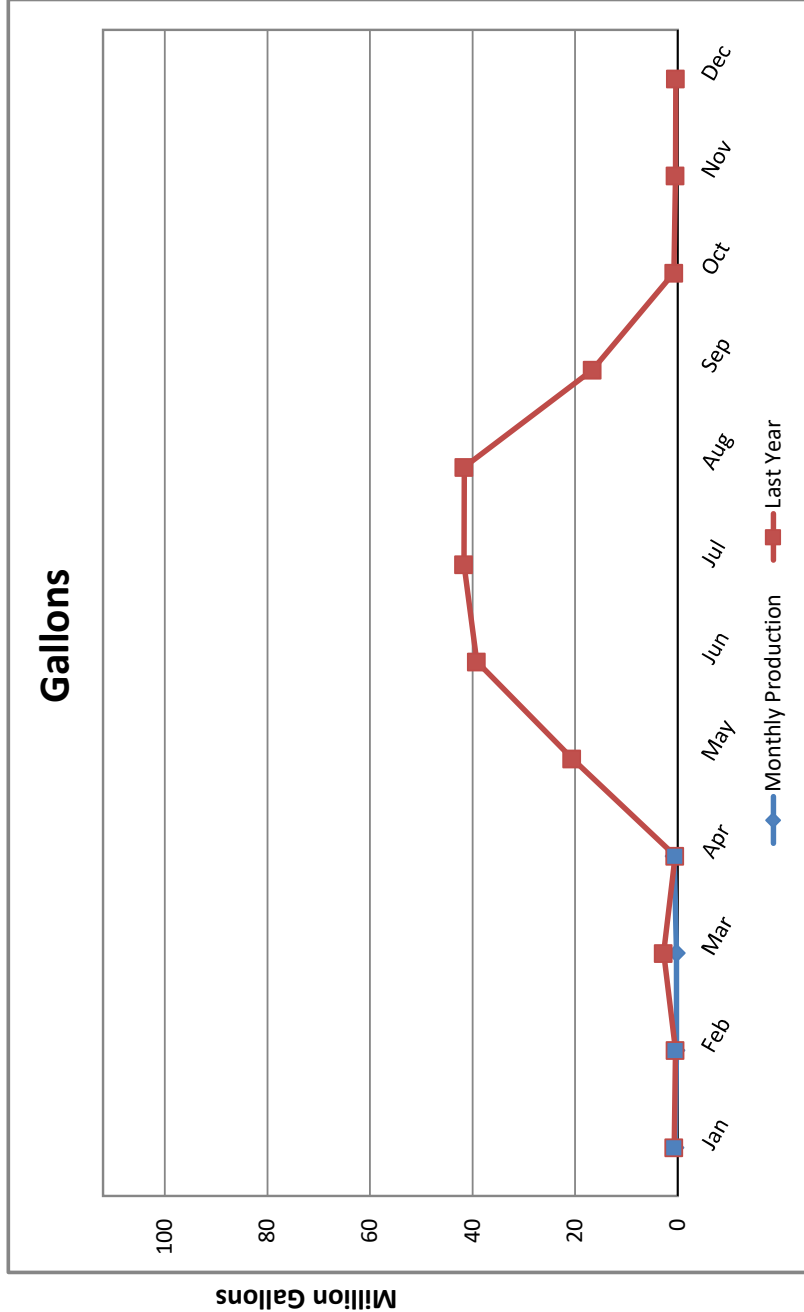
Average GPM: 940  
Pump depth: 200 ft  
Well depth: 500 ft

**Motor:**  
Volts: 477  
Volts (Rated): 460  
RPM: 1787  
RPM (Rated): 1785  
Amps A: 104  
Amps A (Rated): 141  
Amps B: 104  
Amps B (Rated): 141  
Amps C: 106  
Amps C (Rated): 141

Motor Temp.: 96.3 F  
Hour Meter: 12.6

**Chlorine:**  
Dosing: 1.66 mg/L  
Demand: 0.93 mg/L  
Residual: 0.73 mg/L

**Vibration Reading:**  
Base Line: 0.02 in/sec  
Current: 0.01 in/sec





# Elk Grove Water District

## Combined Total Production

Service Area 1

Apr-2023

### Current Month Production:

83,205,416 Gallons

Highest Day Demand of the Month:

4,053,429

Date of Occurrence

29-Apr-23

Highest Day Demand of the Calendar Year:

4,053,429

Date of Occurrence

29-Apr-23

### "Water Year" Rainfall: (Oct-22 to Sep-23)

Current Month:

0.15 in

Year To Date:

21.67 in

### "Water Year" Rainfall: (Oct-21 to Sep-22)

April 2022

0.64 in

Year To Date:

15.06 in

Entire Year Total:

16.82 in

### Temperature:

This Month High

90 F

This Month Low

37 F

This Month Average

59.8 F

APR-22 High

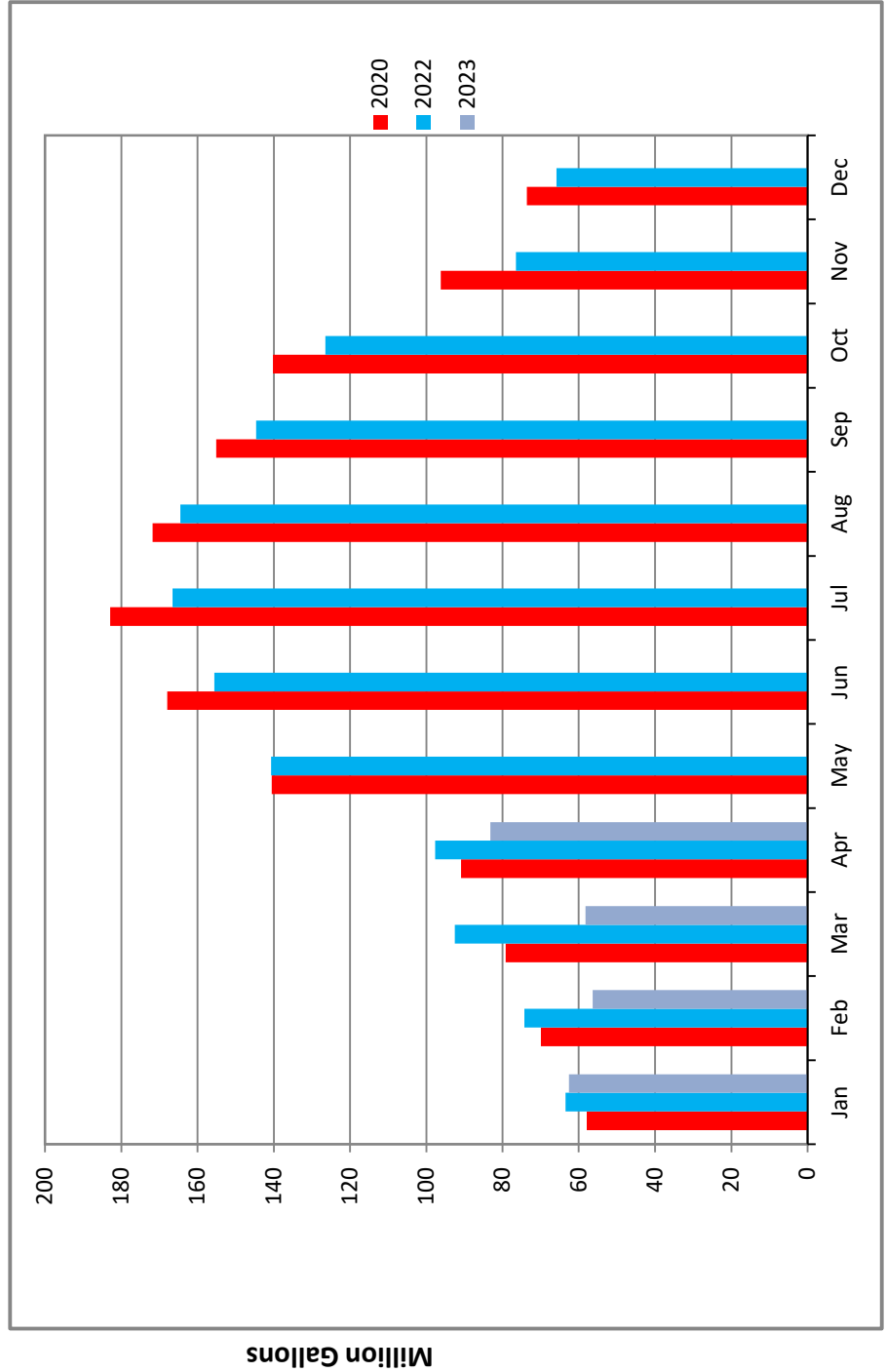
88 F

APR-22 Low

33 F

APR-22 Average

60.3 F

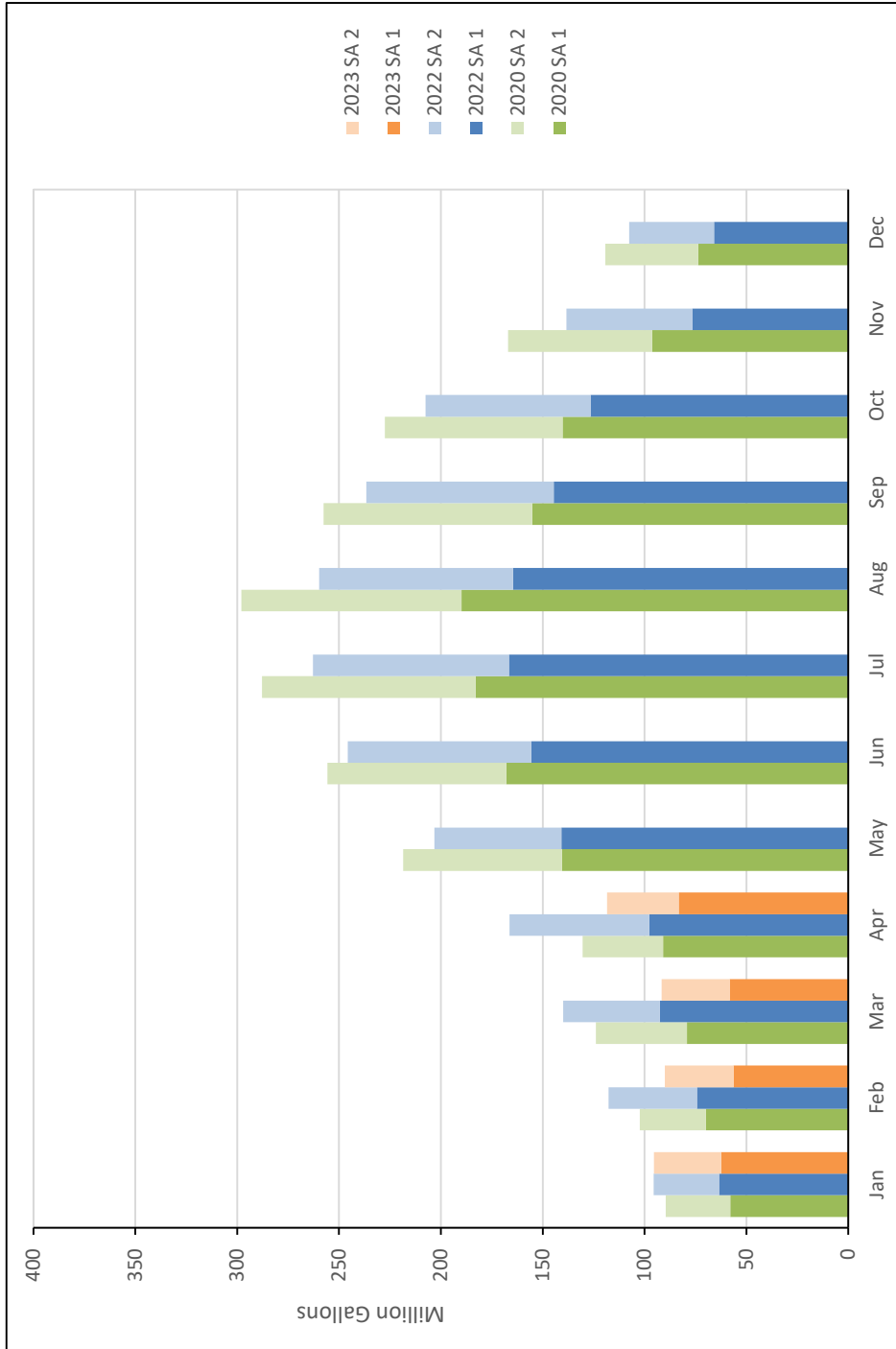




# Elk Grove Water District

## Total Demand/Production

Apr-2023



**Current Month Demand/Production:**  
118,395,076 Gallons  
**\*Change From April 2020:** -9.19%  
**GPCD:** 84.0 Gallons per Day  
**R-GPCD:** 70.9 Gallons per Day

**Service Area 1**  
**Active Connections:** 7,938  
**Current Month Demand/Production:**  
83,205,416 Gallons  
**\*Change From April 2020:** -8.42%  
**GPCD:** 96.6 Gallons per Day  
**R-GPCD:** 78.1 Gallons per Day

**Service Area 2**  
**Active Connections:** 4,923  
**Current Month Demand/Production:**  
35,189,660 Gallons  
**\*Change From April 2020:** -10.97%  
**GPCD:** 64.1 Gallons per Day  
**R-GPCD:** 57.5 Gallons per Day

\*Percent reduction has been changed to percent change. Negative change is reduction and positive change is increase.

Elk Grove Water District Water Usage

Monthly Production (gallons)													
2020	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	57,904,843	69,920,851	79,195,437	90,851,253	140,575,760	167,942,394	182,964,721	189,801,764*	155,126,225	140,229,242	96,204,714	73,624,502	1,444,338,706
Purchased (SA2)	31,743,624	32,416,076	44,764,808	39,523,572	77,964,788	87,759,848	104,799,288	108,177,256	102,434,860	87,187,628	70,876,740	45,577,136	833,225,624
<b>Total</b>	<b>89,648,467</b>	<b>102,336,927</b>	<b>123,960,245</b>	<b>130,374,825</b>	<b>218,540,548</b>	<b>255,702,242</b>	<b>287,764,009</b>	<b>297,979,020</b>	<b>257,561,085</b>	<b>227,416,870</b>	<b>167,078,454</b>	<b>119,201,638</b>	<b>2,277,564,330</b>

2021	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	64,881,378	57,088,452	78,904,998	122,759,415	161,903,489	171,428,103	180,693,083	173,985,025	153,922,309	114,717,480	65,607,814	61,008,401	1,406,899,947
Purchased (SA2)	34,553,112	34,867,272	38,268,428	53,156,620	84,725,960	96,521,920	110,862,576	113,081,144	94,977,300	84,569,628	48,501,816	34,885,972	828,971,748
<b>Total</b>	<b>99,434,490</b>	<b>91,955,724</b>	<b>117,173,426</b>	<b>175,916,035</b>	<b>246,629,449</b>	<b>267,950,023</b>	<b>291,555,659</b>	<b>287,066,169</b>	<b>248,899,609</b>	<b>199,287,108</b>	<b>114,109,630</b>	<b>95,894,373</b>	<b>2,235,871,695</b>

2022	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	63,469,715	74,242,203	92,483,924	97,643,001	140,747,995	155,597,114	166,596,675	164,513,039	144,632,180	126,478,648	76,517,155	65,813,605	1,368,735,254
Purchased (SA2)	32,115,380	43,369,788	47,452,372	68,588,608	62,494,652	90,110,812	96,146,424	95,299,688	92,002,504	81,006,904	61,785,548	41,748,872	812,121,552
<b>Total</b>	<b>95,585,095</b>	<b>117,611,991</b>	<b>139,936,296</b>	<b>166,231,609</b>	<b>203,242,647</b>	<b>245,707,926</b>	<b>262,743,099</b>	<b>259,812,727</b>	<b>236,634,684</b>	<b>207,485,552</b>	<b>138,302,703</b>	<b>107,562,477</b>	<b>2,180,856,806</b>

2023	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	62,562,387	56,343,279	58,232,742	83,205,416									260,343,824
Purchased (SA2)	32,851,412	33,735,548	33,439,340	35,189,660	0	0	0	0	0	0	0	0	135,215,960
<b>Total</b>	<b>95,413,799</b>	<b>90,078,827</b>	<b>91,672,082</b>	<b>118,395,076</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>395,559,784</b>

Monthly Percent Change - Comparing 2020 to 2023

% Change	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	8.04%	-19.42%	-26.47%	-8.42%	-	-	-	-	-	-	-	-	-
Purchased (SA2)	3.49%	4.07%	-25.30%	-10.97%	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>6.43%</b>	<b>-11.98%</b>	<b>-26.05%</b>	<b>-9.19%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>% Cumulative Change</b>	<b>6.43%</b>	<b>-3.38%</b>	<b>-12.27%</b>	<b>-11.37%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

\*Notes

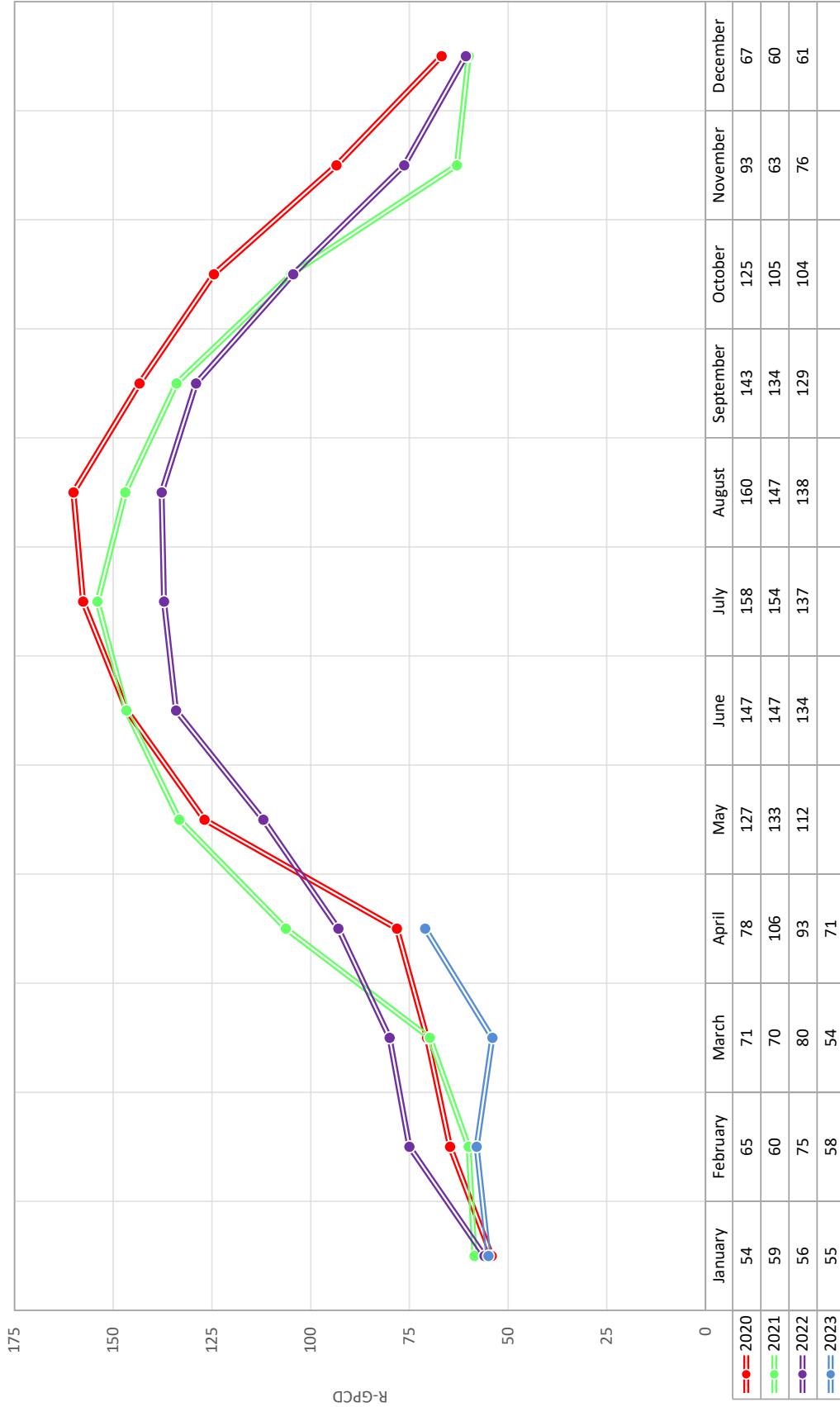
2020 August production number for SA1 includes water delivered through open interties with SA2.  
 SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.  
 Charlois and Springhurst Intertie 18,000,000 Gallons  
 Charlois Intertie (Aug 2020) 8,706,529 Gallons (Determined from Bruce Kamilos calculations)  
 Springhurst Intertie (Aug 2020) 14,511,000 Gallons (Number provided from meter read by SCWA)

Service Area 2	Consumption	
	# Accts	CCF
2023		
Jan	4,921	43,919
Feb	4,922	45,101
Mar	4,923	44,705
Apr	4,923	47,045
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		



# EGWD COMBINED R-GPCD

● 2020   
 ● 2021   
 ● 2022   
 ● 2023



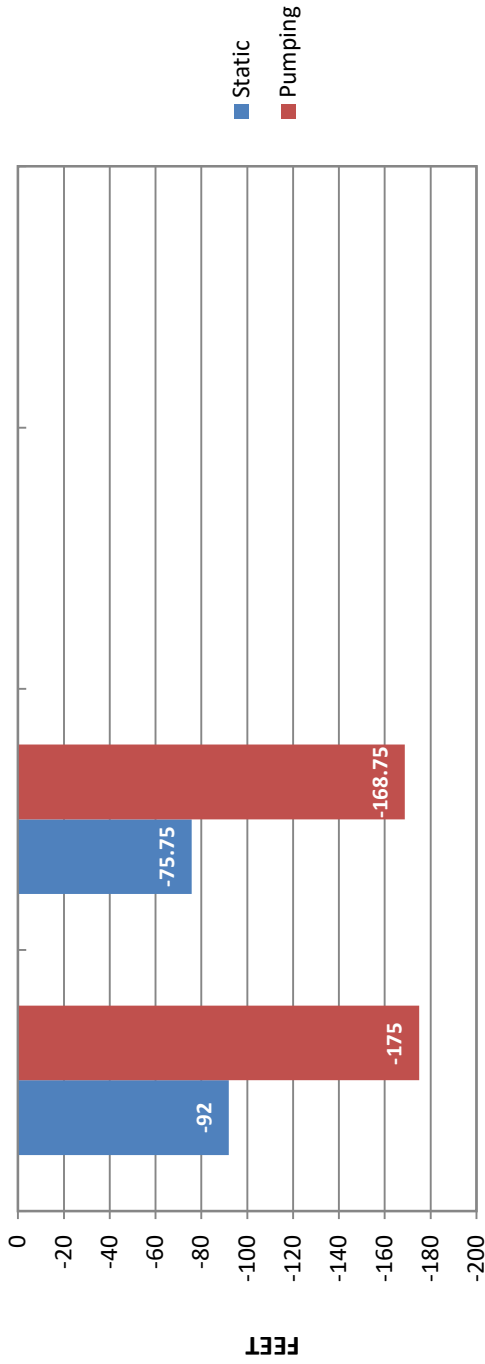
R-GPCD = Residential Gallons per Capita per Day



# Elk Grove Water District

## Static and Pumping Levels

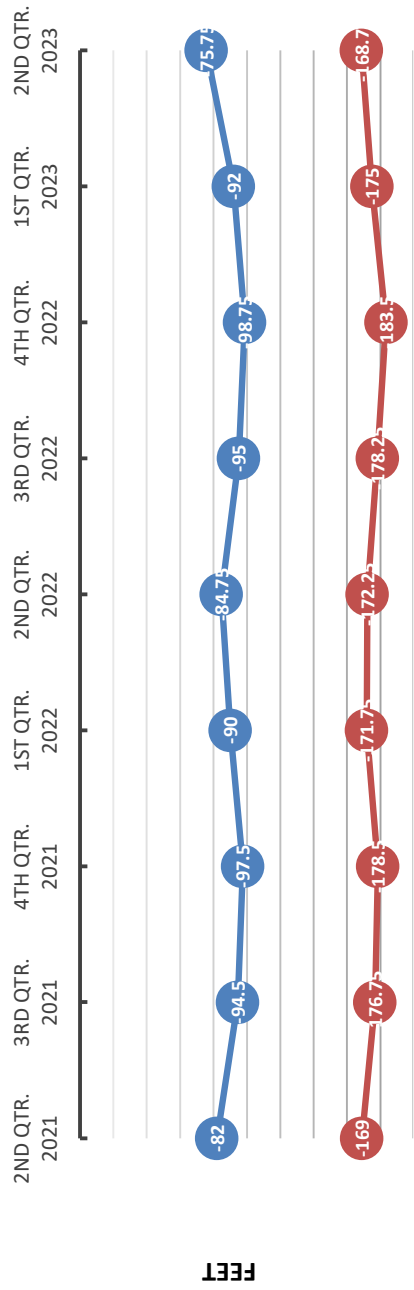
Well 1D School St



### Latest Well Sounding

**Static:** 75.75 Ft  
**Pumping:** 168.75 Ft  
**Drawdown:** 93 Ft  
**GPM:** 1,803  
**Specific Capacity:** 19.386

### Sounding Quarter/Year



### Latest Sand Tester Results:

15 Min: < 5 ppm

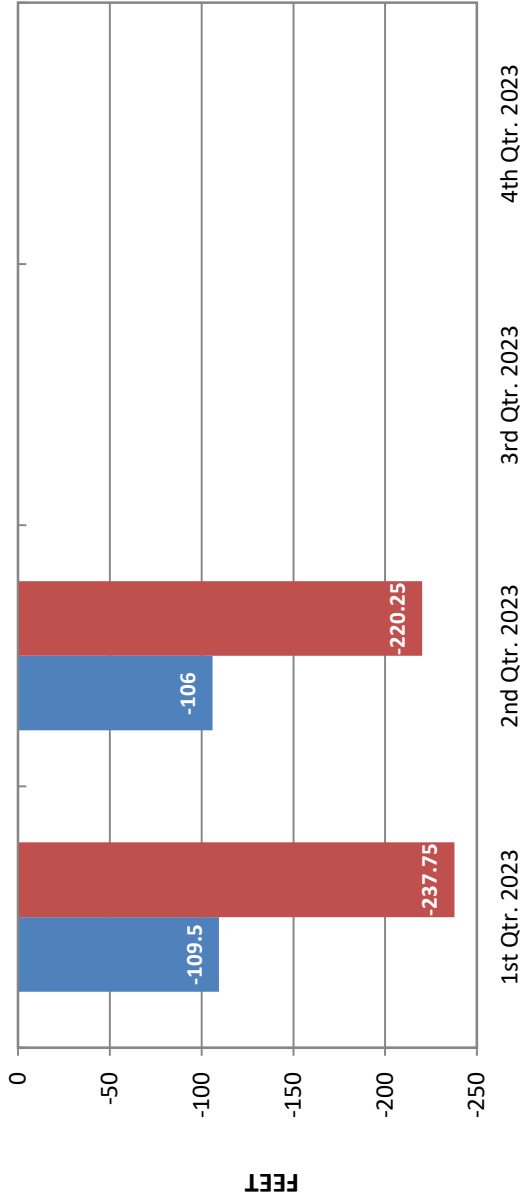




# Elk Grove Water District

## Static and Pumping Levels

Well 4D Webb St



### Latest Well Sounding

Static: 106 Ft  
 Pumping: 220.25 Ft  
 Drawdown: 114.25 Ft  
 GPM: 1,692  
 Specific Capacity: 14.808

### Sounding Quarter/Year



### Latest Sand Tester Results:

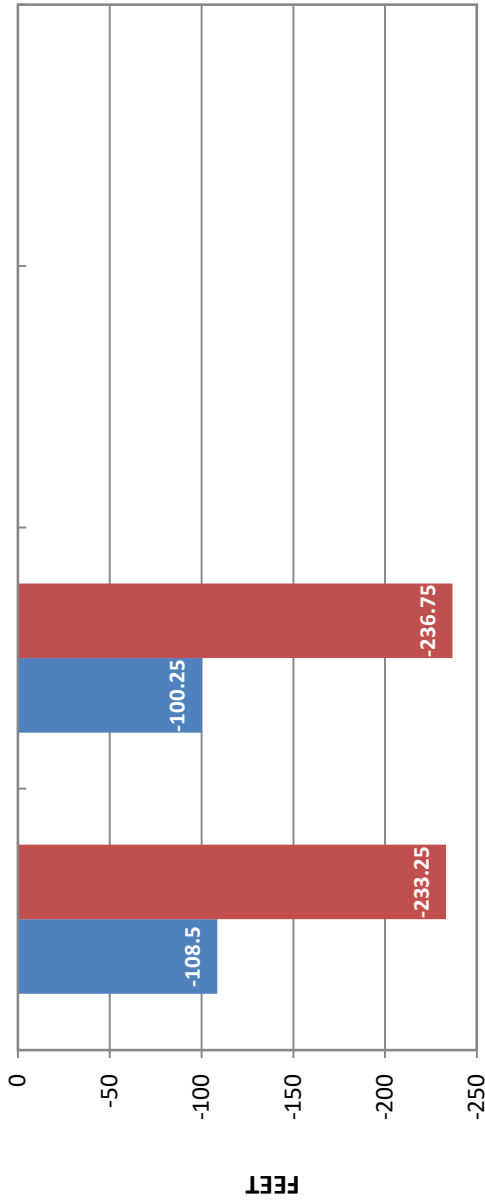
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

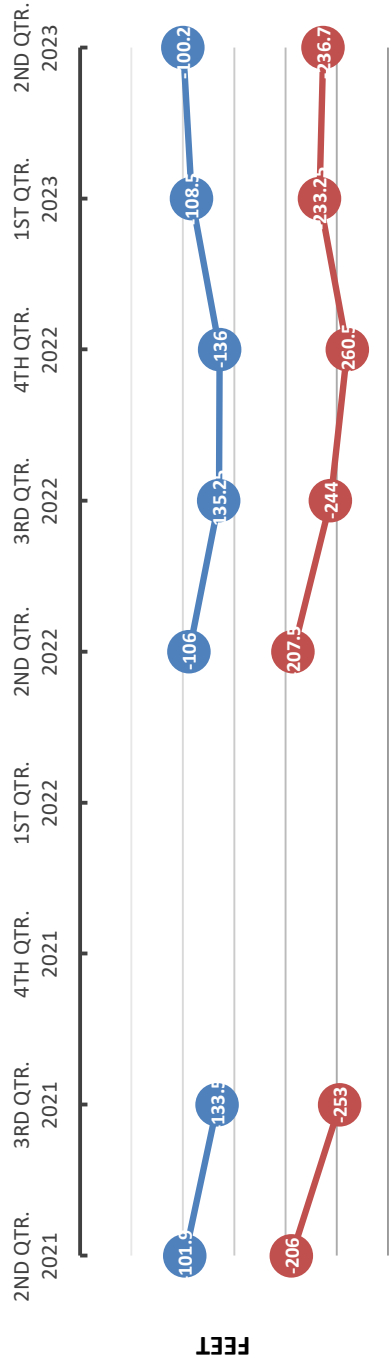
Well 11D Dino



### Latest Well Sounding

Static: 100.25 Ft  
 Pumping: 236.75 Ft  
 Drawdown: 136.5 Ft  
 GPM: 1,704  
 Specific Capacity: 12.486

### Sounding Quarter/Year



### Latest Sand Tester Results:

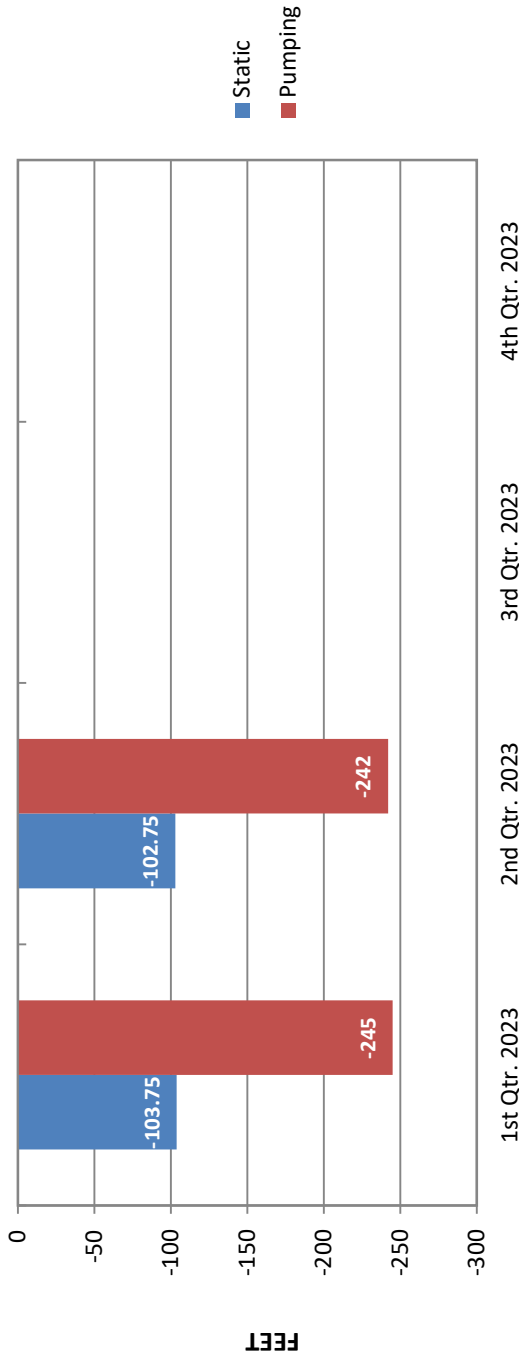
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

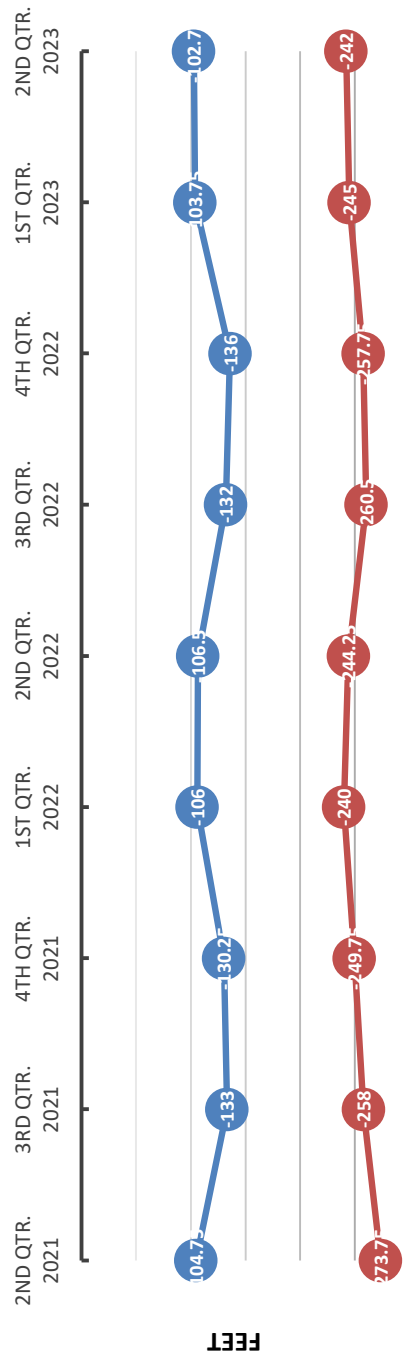
Well 14D Railroad



### Latest Well Sounding

**Static:** 102.75 Ft  
**Pumping:** 242 Ft  
**Drawdown:** 139.25 Ft  
**GPM:** 1,570  
**Specific Capacity:** 11.277

### Sounding Quarter/Year



### Latest Sand Tester Results:

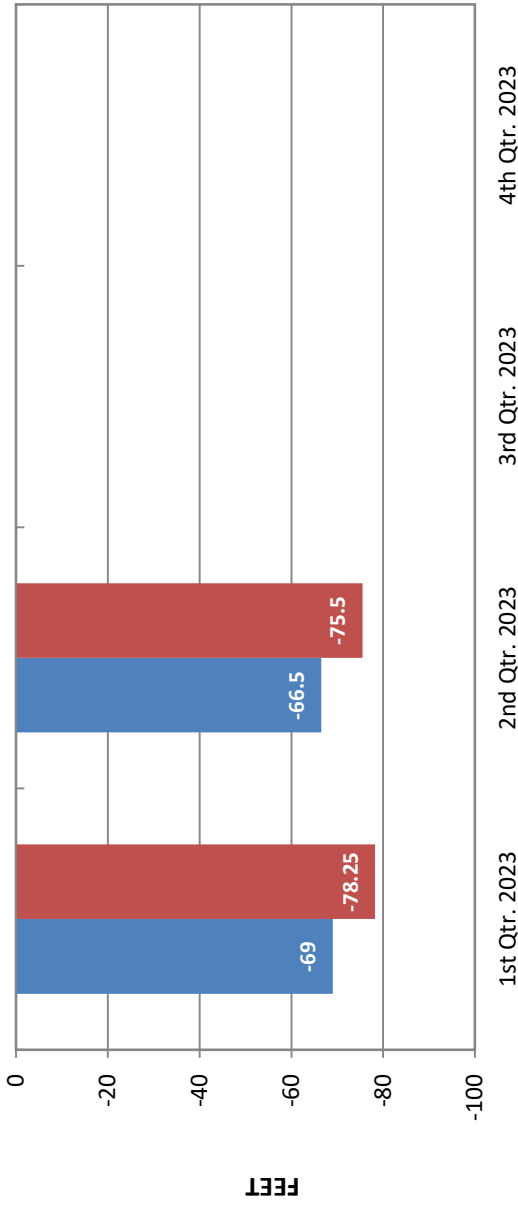
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 8 Williamson



### Latest Well Sounding

Static: 66.5 Ft

Pumping: 75.5 Ft

Drawdown: 9 Ft

GPM: 560

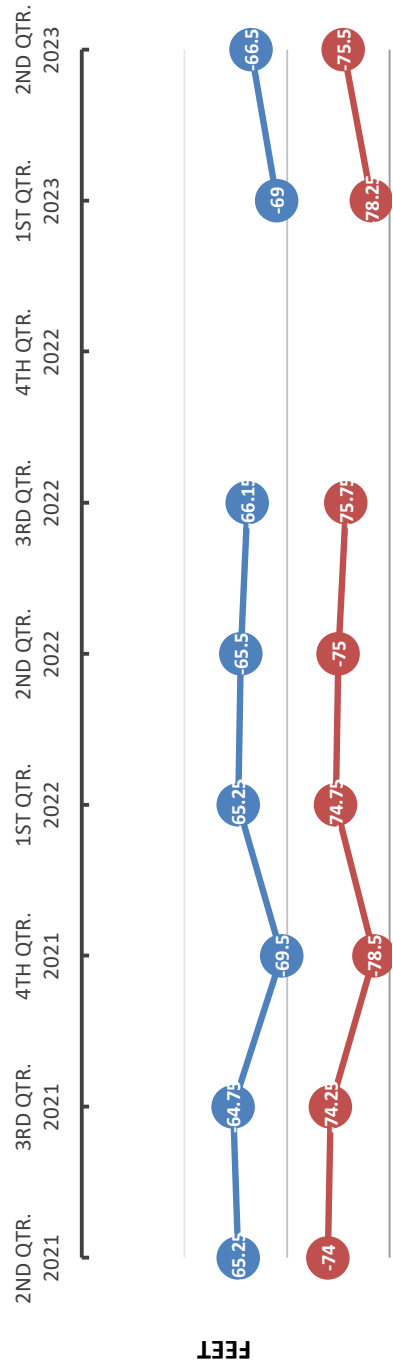
Specific Capacity: 62.212

■ Static  
■ Pumping

### Latest Sand Tester Results:

15 Min: < 5 ppm

### Sounding Quarter/Year

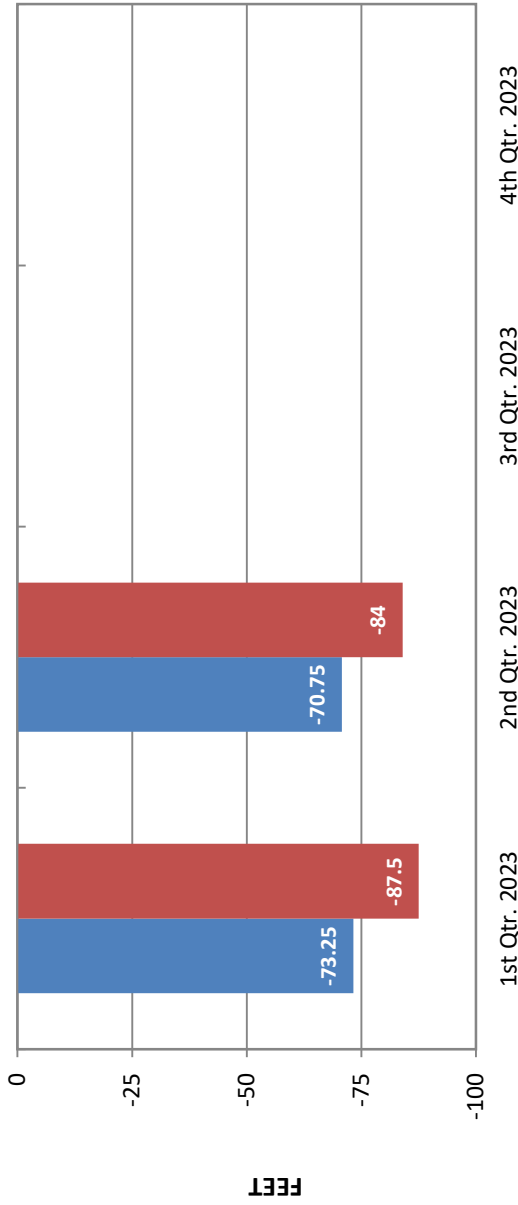




# Elk Grove Water District

## Static and Pumping Levels

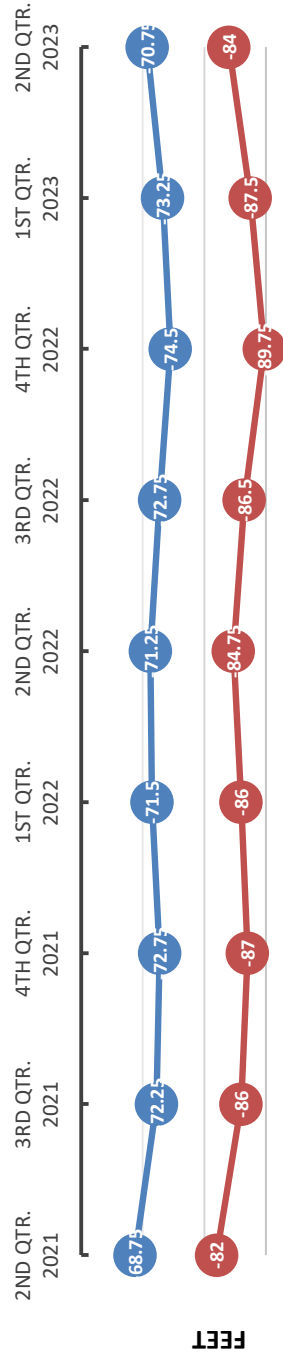
Well 9 Polhemus



### Latest Well Sounding

Static: 70.75 Ft  
 Pumping: 84 Ft  
 Drawdown: 13.25 Ft  
 GPM: 497  
 Specific Capacity: 37.537

### Sounding Quarter/Year



### Latest Sand Tester Results:

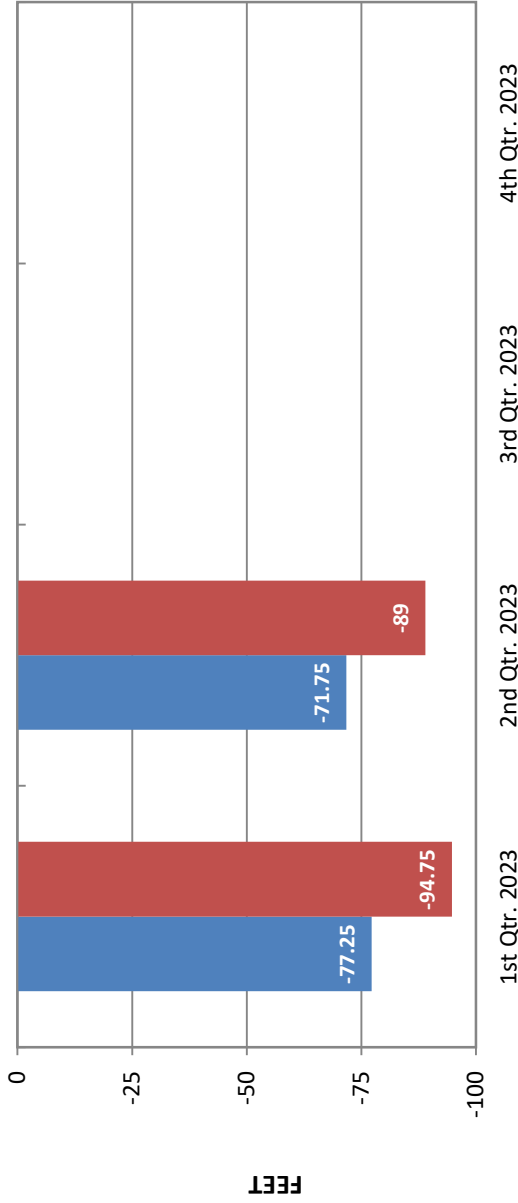
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 13 Hampton

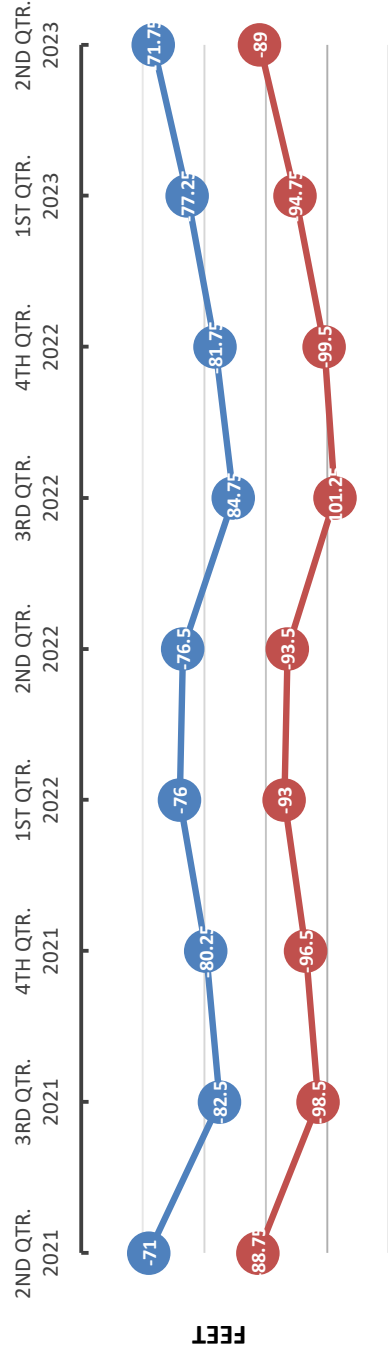


### Latest Well Sounding

Static: 71.75 Ft  
 Pumping: 89 Ft  
 Drawdown: 17.25 Ft  
 GPM: 969  
 Specific Capacity: 56.151

■ Static  
 ■ Pumping

### Sounding Quarter/Year



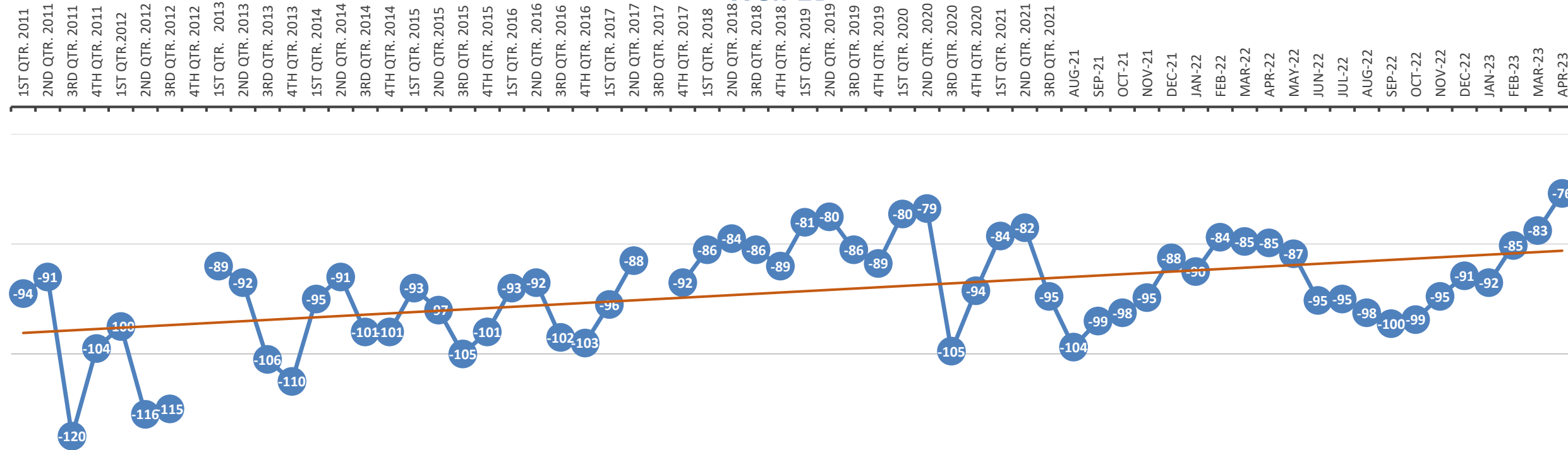
### Latest Sand Tester Results:

15 Min: < 5 ppm

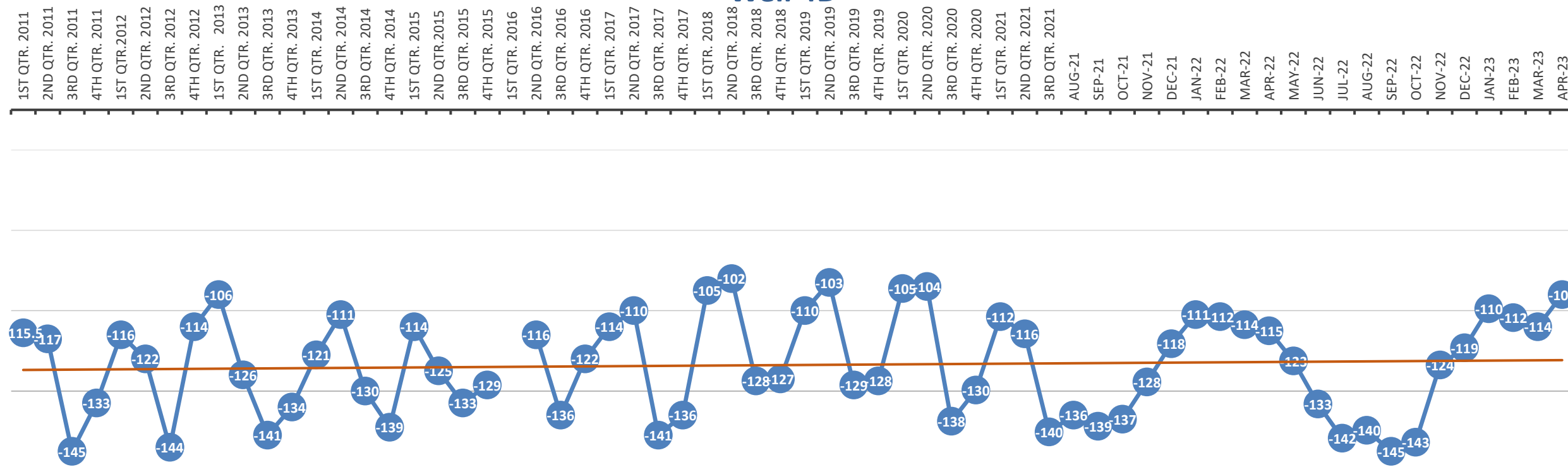


# Historic Static Well Levels

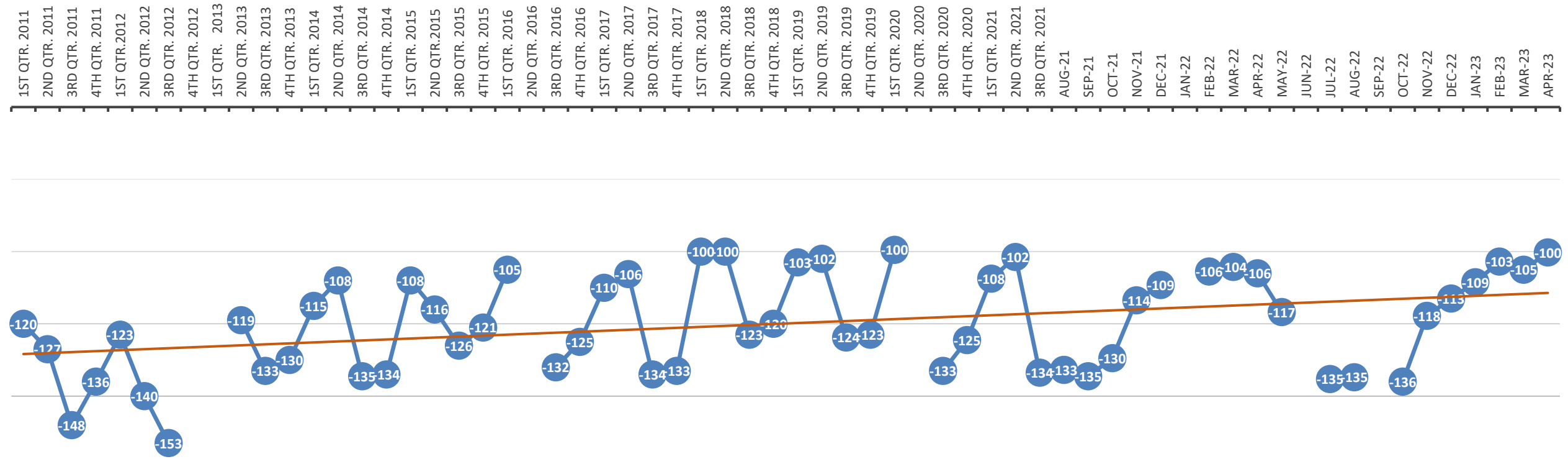
## Well 1D



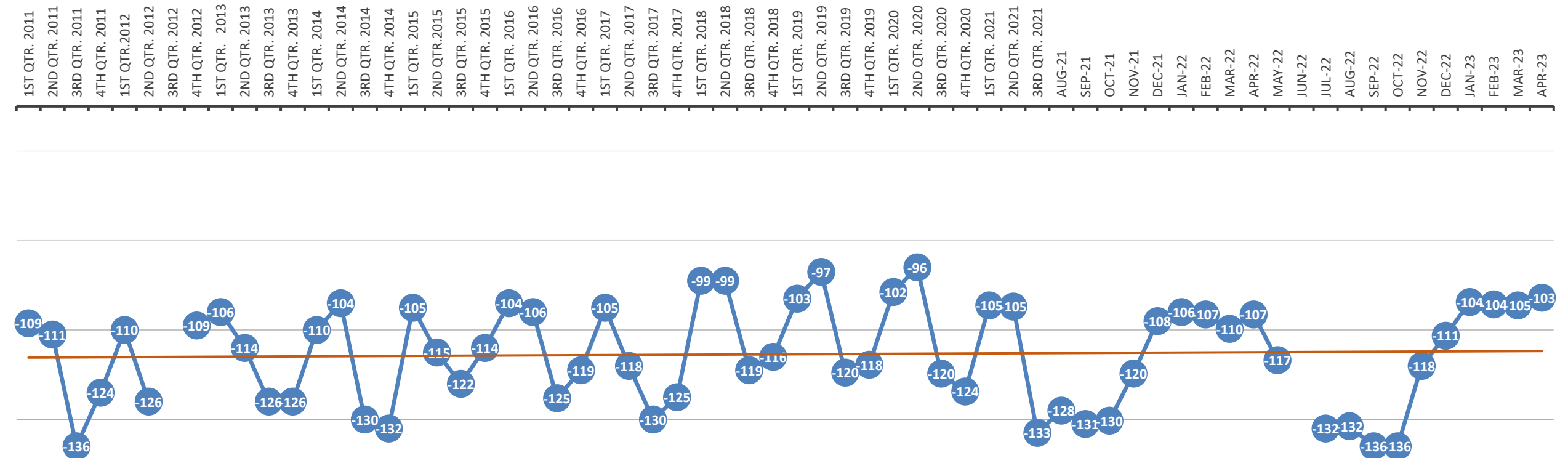
## Well 4D



## Well 11D

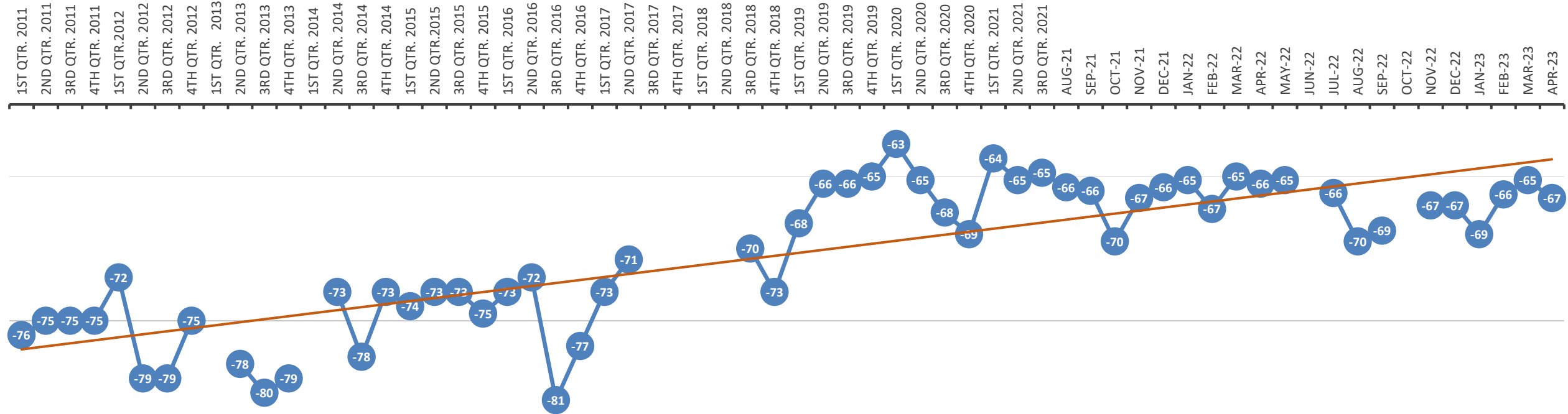


## Well 14D

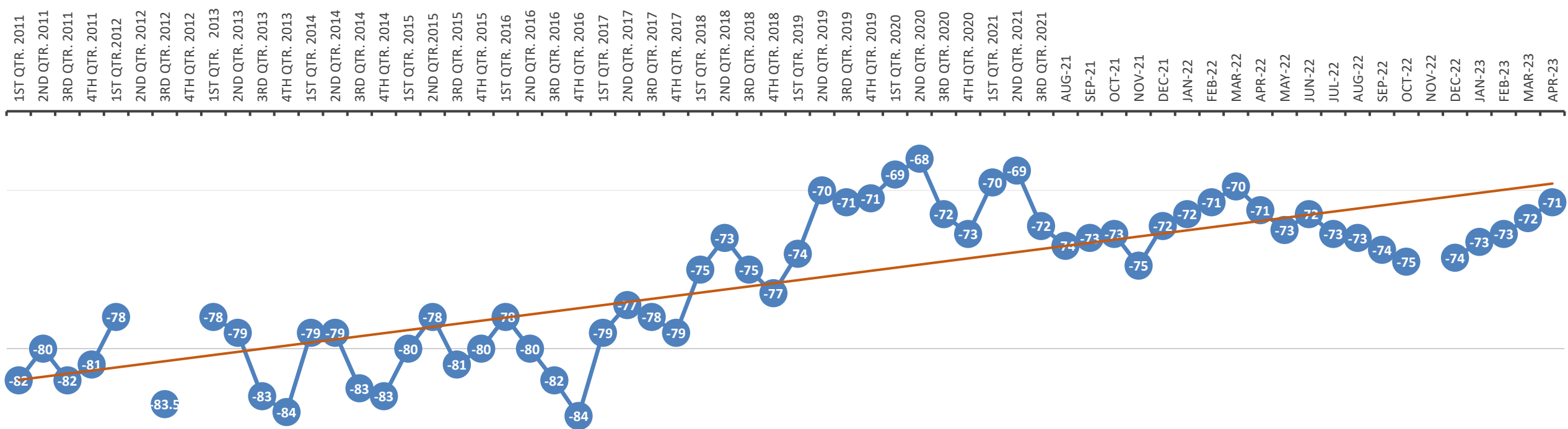




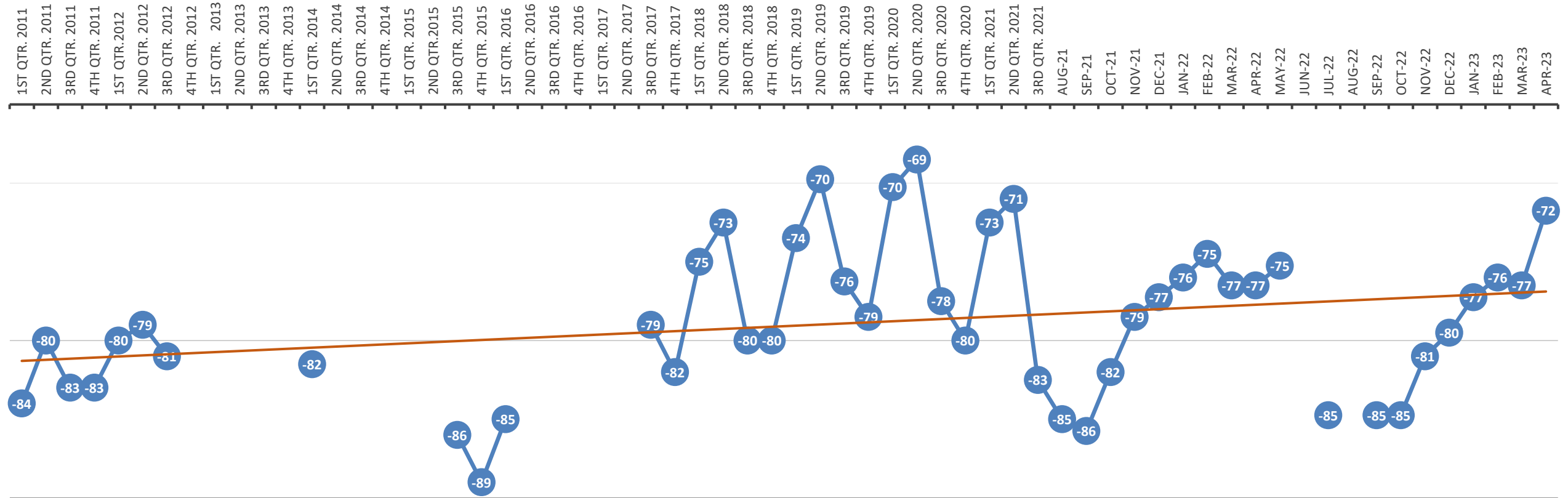
## Well 8



## Well 9



# Well 13



**Monthly Sample Report - April 2023**  
**Water System: Elk Grove Water System**

<b>Sampling Point: 01 - 8693 W. Camden</b>			
<b>Sample Date</b>	<b>Sample Class</b>	<b>Sample Name</b>	<b>Collection Occurrence</b>
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	TTHM's and HAA5	Quarterly

<b>Sampling Point: School Well 01D - Raw Water</b>			
<b>Sample Date</b>	<b>Sample Class</b>	<b>Sample Name</b>	<b>Collection Occurrence</b>
4/25/2023	Source Water	3 mo - PFAS	Quarterly
4/25/2023	Source Water	3yr- Full Title 22	Tri-Annual
4/25/2023	Source Water	3mo-Bacteriological	Quarterly

<b>Sampling Point: 02 - 9425 Emerald Vista</b>			
<b>Sample Date</b>	<b>Sample Class</b>	<b>Sample Name</b>	<b>Collection Occurrence</b>
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

<b>Sampling Point: 03 - 8809 Valley Oak</b>			
<b>Sample Date</b>	<b>Sample Class</b>	<b>Sample Name</b>	<b>Collection Occurrence</b>
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

<b>Sampling Point: Webb Well 04D - Raw Water</b>			
<b>Sample Date</b>	<b>Sample Class</b>	<b>Sample Name</b>	<b>Collection Occurrence</b>
			Quarterly

**Sampling Point: 04 - 10122 Glacier Point**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

**Sampling Point: 05 - 9230 Amsden Ct.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	TTHM's and HAA5	Quarterly

**Sampling Point: 06 - 9227 Rancho Dr.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

**Sampling Point: 07 - AI Gates Park Mainline Dr.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week
4/4/2023	Distribution System	Fluoride	Monthly

Sampling Point: - Williamson Well 8 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/25/2023	Source Water	3 mo - PFAS	Quarterly
4/25/2023	Source Water	3 yr- Full Title 22	Tri-Annual
4/25/2023	Source Water	3mo-Bacteriological	Quarterly

Sampling Point: 09 - 9436 Hollow Springs Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	TTHM's and HAA5	Quarterly

Sampling Point: Polhemus Well 9 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Source Water	3 yr-Full Title 22	Tri-Annual
4/4/2023	Source Water	3mo-Bacteriological	Quarterly

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

**Sampling Point: 11 - 9907 Kapalua Ln.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

**Sampling Point: 12-9205 Meadow Grove Dr.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Distribution System	Bacteriological	Week
4/11/2023	Distribution System	Bacteriological	Week
4/18/2023	Distribution System	Bacteriological	Week
4/25/2023	Distribution System	Bacteriological	Week

**Sampling Point: Dino Well 11D - Raw Water**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/4/2023	Source Water	3 yr - Full Title 22	Tri-Annual
4/4/2023	Source Water	3mo-Bacteriological	Quarterly

**Sampling Point: Hampton Well 13 - Raw Water**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/3/2023	Source Water	Fe, Mn, As, Total	Weekly
4/10/2023	Source Water	Fe, Mn, As, Total	Weekly
4/17/2023	Source Water	Fe, Mn, As, Total	Weekly
4/24/2023	Source Water	Fe, Mn, As, Total	Weekly

**Sampling Point: Hampton WTP Effluent**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/3/2023	Treated Effluent	Fe, Mn, As, Total	Weekly
4/10/2023	Treated Effluent	Fe, Mn, As, Total	Weekly
4/17/2023	Treated Effluent	Fe, Mn, As, Total	Weekly
4/24/2023	Treated Effluent	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Backwash Tank		
Sample Date	Sample Class	Collection Occurrence

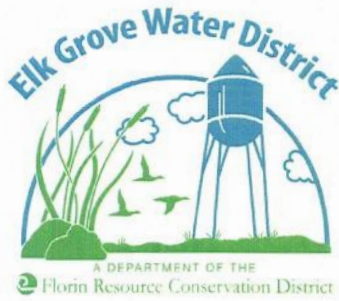
Sampling Point: Railroad Well 14D - Raw Water		
Sample Date	Sample Class	Collection Occurrence
4/25/2023	Source Water	Quarterly
4/25/2023	Source Water	Quarterly
4/25/2023	Source Water	Tri-Annual

Sampling Point: Railroad WTP Effluent		
Sample Date	Sample Class	Collection Occurrence
4/4/2023	Treated Plant Effluent	Tri-Annual

Sampling Point: Railroad WTP Backwash Tank		
Sample Date	Sample Class	Collection Occurrence

Sampling Point: Special Distribution/Construction Samples		
Sample Date	Sample Class	Collection Description
4/14/2023	Process Water	Filter Train D
4/18/2023	Distribution System	Grove St. Alley MainLine Replacement

Colors	Monthly Total	Yearly Total
Black = Scheduled	74	287
Green = Unscheduled	2	9
Red = Incomplete Sample	0	



May 4, 2023

Sacramento Regional County  
Sanitation District  
Environmental Specialist  
10060 Goethe Rd.  
Sacramento, CA. 95827

**WASTEWATER DISCHARGE COMPLIANCE REPORT FORM**

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Enclosed is the Wastewater Discharge Compliance Report Form from Elk Grove Water District April 2023.

If you have any further questions, you may contact me at 916-585-9386

A handwritten signature in blue ink, appearing to read "Steve Shaw", is written over a light blue horizontal line.

STEVE SHAW  
WATER TREATMENT SUPERVISOR



**SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT (REGIONAL SAN)**

**COMPLIANCE REPORT FORM**

Attn: Alex Burkert	E-mail: burkerta@sacsewer.com	Wastewater Source Control Section
Phone: (916) 875-6454		Fax: (916) 854-9286
From: Steve Shaw		
Company: Elk Grove Water District		Permit # WTP-010

<b>Discharge Month:</b>	<b>April</b>	<b>Year:</b>	<b>2023</b>
-------------------------	--------------	--------------	-------------

The following reports and information are attached (check all that apply):

	Location	Total Gallons
<input checked="" type="checkbox"/> Water use/flow meter report (If there is no discharge during the reporting period, this must be reported)	OF 1 Hampton WTP	25,498
	OF 3 Railroad WTP	509,432
	OF 5 Analyzer Water	34,560
	OF 6 Hampton (preapproval req))	
	OF 7 Misc. (Preapproval req))	

Monitoring results/analytical report(s)

**pH (if measured); Grab Monitoring Data Review**

The industry must review pH records. Report the minimum and maximum pH readings for the sampling month and report any non-compliance events.

Minimum pH \_\_\_\_\_ Maximum pH \_\_\_\_\_

**Check one below:**

Based on a review of this facility's pH data, pH has exceeded the discharge limits.

I certify that this facility has reviewed pH data and is in compliance.

**Discharge Rate- CHECK ONE BELOW**

Or  Based on a review of this facility's flow data, the discharge rate limit was exceeded.

I certify that this facility is in compliance with the discharge rate limit.

Attached is a description of anticipated changes that may significantly alter the nature, quality, or volume of the wastewater discharged.

Flow monitoring equipment certification

Other (explain):

**SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT (REGIONAL SAN)**

**Domestic Calculation**

<b>Domestic Usage/ Employee Monthly Totals</b>	<b>Number of Full-time Equivalent* Employees</b>	<b>Business Days per Month</b>	<b>Allowance (gallons per day)</b>	<b>Gallons</b>
Production	2	18	15	540
Office	3	18	10	540
Drivers/Field	13	18	3	702
<b>Total</b>				<b>1,782</b>

\*FTE Equivalent: all employees' monthly hours added together and converted to a full-time employee count

**Certification Statement**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

SIGNATURE of Authorized Representative:




---

PRINTED NAME, TITLE:

Steve Shaw Water Treatment Supervisor  
 (Name) (Title)

DATE:

May 4, 2023

---

Elk Grove Water District  
 Backwash Wastewater pH Results  
 and  
 Record of Performance Verification For  
 OAKTON Multi-Parameter PCSTestr 35

**Instructions for Calibration:**

1. For best results, calibrate with certified accurate pH calibration standards (buffers). You may calibrate up to five points with the USA (1.68, 4.01, 7.00, 10.01, 12.45) or the NIST (1.68, 4.01, 6.86, 9.18, 12.45) buffer group
  2. Press the "ON/OFF" button to turn meter on, then press "MODE/ENT" to select pH mode as needed.
  3. Rinse the sensor with clean water. Immerse the sensor into your pH buffer and press "CAL". The primary display will show the un-calibrated pH value, while the secondary display should search for and lock on the closest automatic calibration value.
  4. Allow the primary reading to stabilize, then press "MODE/ENT" to confirm the calibration value. The primary value will blink briefly before the secondary value automatically scrolls thru the remaining pH buffers available for calibration.
- Repeat steps 2 & 3 with additional buffers or press "CAL" to return to measurement mode.

Semi-Annual Sample 1 of 2	Date	pH 4 Buffer		pH 7 Buffer		pH 10 Buffer	
		Result	Adjustment	Result	Adjustment	Result	Adjustment
	4-24-23	4.01	--> 4.00	6.82	--> 7.00	9.95	--> 10.00
		Time	Result			Time	Result
Railroad WTP Backwash Waste		2:48p	7.60	Hampton Village WTP Backwash Waste		2:22p	7.14

Semi-Annual Sample 2 of 2	Date	pH 4 Buffer		pH 7 Buffer		pH 10 Buffer	
		Result	Adjustment	Result	Adjustment	Result	Adjustment
			-->		-->		-->
		Time	Result			Time	Result
Railroad WTP Backwash Waste				Hampton Village WTP Backwash Waste			

Accuracy: +/- 0.01 pH



May 3, 2023

State Water Resources Control Board  
Division of Drinking Water  
1001 I Street  
13<sup>th</sup> Floor  
Sacramento, CA. 95814

**MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING**

---

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for April 2023.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw".

STEVE SHAW  
WATER TREATMENT SUPERVISOR

## MONTHLY SUMMARY OF REVISED TOTAL COLIFORM RULE DISTRIBUTION SYSTEM MONITORING (including triggered source monitoring for systems subject to the Groundwater Rule)

System Name <p style="text-align: center; font-size: 1.2em;">Elk Grove Water District</p>	System Number <p style="text-align: center; font-size: 1.2em;">3410008</p>
Sampling Period <p style="text-align: center; font-size: 1.2em; color: blue;">April</p>	Year <p style="text-align: center; font-size: 1.2em;">2023</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number E.coli Positives
1. Routine Samples (see note 1)	48	48	0	0
2. Repeat Samples following samples that are Total Coliform Positive and <i>E.coli</i> <b>Negative</b> (see notes 10 and 11)		0	0	0
3. Repeat Samples following Routine Samples that are <b>Total Coliform Positive</b> and <i>E. coli</i> <b>Positive</b> (see notes 10 and 11)		0	0	0
4. Treatment Technique (TT)/MCL Violation Computation for Total Coliform/ <i>E. coli</i> Positive Samples				
a. Totals (sum of columns)	48	48	0	0
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] =	0	%		
c. Did the system trigger... a <b>Level 2</b> Assessment TT? (see notes 2, 3, 4, 5 and 6 for trigger info)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If a Level 2 Assessment is triggered, see note 8 below.</i>				
a <b>Level 1</b> Assessment TT? (see note 7 for trigger info)			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If a Level 1 Assessment is triggered, see note 9 below.</i>				
5. Triggered Source Samples per Groundwater Rule (see notes 12 and 13)		0	0	0
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: <b>Steve Shaw</b>				
Signature 	Title <p style="text-align: center; font-size: 1.2em;">Water Treatment Supervisor</p>	Date <p style="text-align: center; font-size: 1.2em;">5.3.2023</p>		

**NOTES AND INSTRUCTIONS:**

1. Routine samples include:
  - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
  - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
  - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a total coliform positive sample, any *E.coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Division** (22, CCR, Section 64426.1).
3. Note: For repeat sample following a *E.coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Division** (22, CCR, Section 64426.1).
4. Note: Failure to take all required repeat samples following an *E. coli* positive routine sample (22, CCR, Section 64426.1) **constitutes an MCL violation and requires immediate notification to the Division** (22, CCR, Section 64426.1).
5. Note: Failure to test for *E. coli* when any repeat sample tests positive for total coliform (22, CCR, Section 64426.1) **constitutes an MCL violation and requires immediate notification to the Division** (22, CCR, Section 64426.1).
6. Note: Second Level 1 treatment technique trigger in a rolling 12-month period.
7. Total coliform Treatment Technique (TT) Violation (**Notify Department within 24 hours of TT violation**):
  - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the TT is violated and a Level 1 Assessment is required.
  - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the TT is violated and a Level 1 Assessment is required.
8. Contact the Division as soon as practical to arrange for the division to conduct a Level 2 Assessment of the water system. The water system shall complete a Level 2 Assessment and submit it to the Division within 30 days of learning of the trigger exceedance.
9. Conduct a Level 1 Assessment in accordance with as soon as practical that covers the minimum elements (22, CCR, Section 64426.8 (a), (2)). Submit the report to the Division within 30 days of learning of the trigger exceedance.
10. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
11. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample. At least three samples shall be taken the month following a total coliform positive.
12. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
13. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli* positive triggered sample (boxed entry) **requires immediate notification to the Division, Tier 1 public notification, and corrective action.**



May 4, 2023

State Water Resources Control Board  
Division of Drinking Water  
1001 I Street  
13<sup>th</sup> Floor  
Sacramento, CA. 95814

**MONTHLY SUMMARY OF THE HAMPTON GROUNDWATER TREATMENT PLANT**

Enclosed is the Monthly Summary of the Hampton GWTP report from Elk Grove Water District for April 2023.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw", is positioned above the typed name.

STEVE SHAW  
WATER TREATMENT SUPERVISOR

# Elk Grove Water District

## Hampton GWTP Monthly Report

PWS Number 3410008-013  
 GWTP Name Hampton Water Treatment Plant  
 Month: April

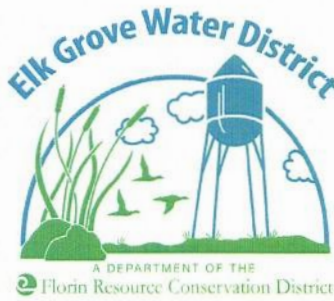
Date	Hour Meter	Run Hours	Production Meter	Well Production	Backwash Meter	Backwash Waste	Weekly In-House Monitoring (mg/L) R (Raw) T (Treated) As (ug/L)							
Date	24642.4	0	443355238	0	30659379	37438169	Date	Fe, R	Fe, T	Mn, R	Mn, T	As, R	As, T	Weekly Average
1	24642.4	0	443355238	0	30659379	37438169	4/3/2023	0.024	0.049	0.024	0.015	2	1	Inf. pH
2	24642.4	0	443355238	0	30659379	37438169	4/10/2023	0.019	0.042	0.018	0.005	4	1	Week 1: 7.1 to 7.5
3	24642.4	0	443355238	0	30659379	37438169	4/17/2023	0.007	0.032	0.016	0.006	2	1	CI2
4	24642.9	0.5	443383918	28680	30670324	37446931	4/24/2023	0.001	0.034	0.008	0.003	4	1	Week 2: 7.0 to 7.4
5	24642.9	0	443383918	0	30670324	37446931								CI2
6	24642.9	0	443383918	0	30670324	37446931								Week 3: 7.0 to 7.4
7	24642.9	0	443383918	0	30670324	37446931								CI2
8	24642.9	0	443383918	0	30670324	37446931								Week 4: 7.0 to 7.3
9	24642.9	0	443383918	0	30670324	37446931								CI2
10	24642.9	0	443383918	0	30670324	37446931								Week 5: to
11	24645.7	2.8	443538999	155081	30670324	37446931								CI2
12	24645.7	0	443538999	0	30670324	37446931								
13	24645.7	0	443538999	0	30670324	37446931								
14	24645.7	0	443538999	0	30670324	37446931								
15	24645.7	0	443538999	0	30670324	37446931								
16	24645.7	0	443538999	0	30670324	37446931								
17	24645.7	0	443538999	0	30670324	37446931								
18	24647.4	1.7	443635860	96861	30670324	37450943								
19	24647.4	0	443635860	0	30670324	37450943								
20	24647.4	0	443635860	0	30670324	37450943								
21	24647.4	0	443635860	0	30670324	37450943								
22	24647.4	0	443635860	0	30670324	37450943								
23	24647.4	0	443635860	0	30670324	37450943								
24	24647.4	0	443635860	0	30670324	37450943								
25	24650.2	2.8	443795375	159515	30681271	37459952								
26	24650.2	0	443795375	0	30681271	37459952								
27	24650.3	0.1	443795375	0	30681271	37463667								
28	24652.5	2.2	443923341	127966	30681271	37463667								
29	24655	0	444066254	0	30681271	37463667								
30	24655	0	444066254	0	30681271	37463667								
31	24655	0	444066254	0	30681271	37463667								
<b>Total</b>		<b>12.6</b>		<b>711,016</b>	<b>21,892</b>	<b>25,498</b>								

Total Gallons Sodium Hypochlorite: 16.6 Gal  
 Pounds per day 0.669 lbs/Day  
 Dosage (Milligrams Per Liter @ 12.5% Cl) 1.8 mg/L  
 Total Gallons Ferric Chloride: 8.9 Gal  
 Dosage (Milligrams Per Liter @ 38% FeCl) .65mg/L  
 Total Gallons Sodium Hydroxide: 12.2 Gal  
 Dosage (Gallons Per Hour @ 30% NaOH) 0.48 Gal/Hr  
 Total Gallons Sulfuric Acid : 8.9 Gal  
 Dose (Gallons Per Hour @ 93% H2SO4 ) 0.33 Gal/Hr

Total Backwashed 21,892 Gal  
 Total Water Pumped 711,016Gal  
 Total Run Hours 12.6Hours  
 Total Backwash Waste 25,498 Gal

Reporting Limits/Units  
 Iron = 0.100 mg/L  
 Manganese = 0.010 mg/L  
 Arsenic = 1.0 ug/L  
 Maximum Contaminant Levels (MCLs)  
 Iron (Fe) = 0.300 mg/L (Secondary)  
 Manganese (Mn) = 0.050 mg/L (Secondary)  
 Arsenic (As) = 10 ug/L (Primary)

Prepared By: Steve Shaw  
 Date: 5/4/2023



May 3, 2023

State Water Resources Control Board  
Division of Drinking Water  
1001 I Street  
13<sup>th</sup> Floor  
Sacramento, Ca. 95814

**MONTHLY FLUORIDATION MONITORING REPORT**

---

Enclosed is the Monthly Summary of the Fluoridation Monitoring from Elk Grove Water District for April 2023.

If you have any further questions, you may contact me at 916-585-9386.

A handwritten signature in blue ink, appearing to read "Steve Shaw", is positioned above the name and title.

STEVE SHAW  
WATER TREATMENT SUPERVISOR



# ELK GROVE WATER DISTRICT AREA 2

## DISTRIBUTION SYSTEM MONTHLY FLUORIDATION MONITORING REPORT

April-23

Week	Location of Sample	Date	Time	Monitoring Results (mg/L)	Results
1	Hollow Springs	4/4/2023	9:10 AM		0.36
1	Kapalua	4/4/2023	9:43 AM		0.49
1	Al Gates Park	4/4/2023	10:10 AM		0.7
1	Oreo Ranch	4/4/2023	10:28 AM		0.54
1	Blackman	4/4/2023	12:02 PM		0.69
2	Hollow Springs	4/11/2023	9:15 AM		0.77
2	Kapalua	4/11/2023	9:55 AM		0.65
2	Al Gates Park	4/11/2023	10:21 AM		0.53
2	Oreo Ranch	4/11/2023	10:42 AM		0.88
2	Blackman	4/11/2023	12:09 PM		0.72
3	Hollow Springs	4/18/2023	9:07 AM		0.59
3	Kapalua	4/18/2023	10:25 AM		0.57
3	Al Gates Park	4/18/2023	10:50 AM		0.66
3	Oreo Ranch	4/18/2023	11:16 AM		0.57
3	Blackman	4/18/2023	12:50 PM		0.76
4	Hollow Springs	4/25/2023	9:08 AM		0.78
4	Kapalua	4/25/2023	9:32 AM		0.6
4	Al Gates Park	4/25/2023	10:06 AM		0.65
4	Oreo Ranch	4/25/2023	10:30 AM		0.56
4	Blackman	4/25/2023	12:00 PM		0.84
5	Hollow Springs				
5	Kapalua				
5	Al Gates Park				
5	Oreo Ranch				
5	Blackman				

Monthly fluoride split sample results:

Date: 4/4/2023

Water System Results: 0.7 mg/L

Approved Lab: 0.72 mg/L

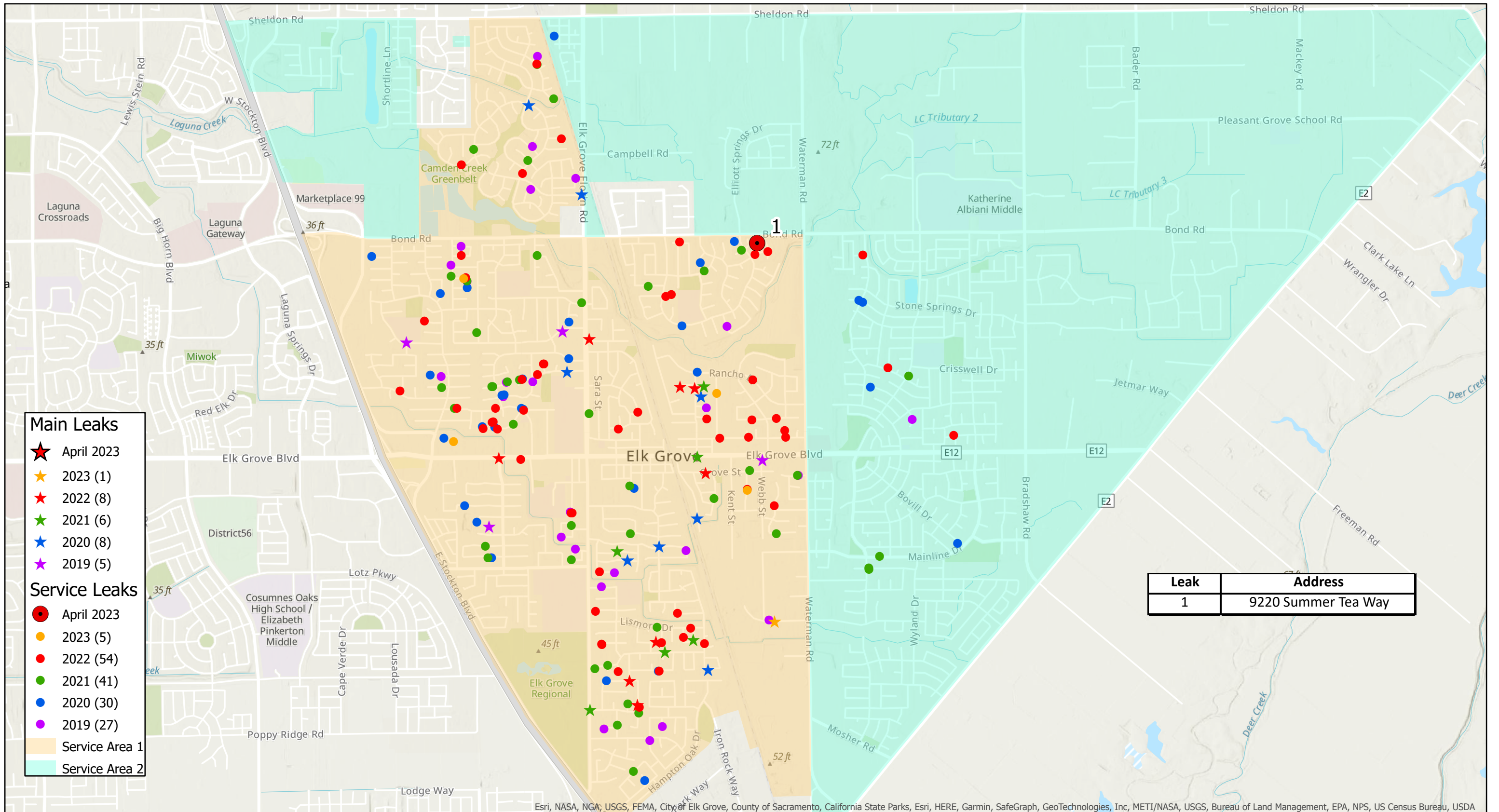
Contact Name: Steve Shaw

Telephone : (916) 585-9386

System PWS Number: 3410008

Elk Grove Water District  
 Safety Meetings/Training  
 April 2023

Date	Topic	Attendees	Hosted By
4/10/2023	Hydration and Nutrition	Alan Aragon, Stefan Chanh, David Frederick, Jaylyn Gordon-Ford, Aaron Hewitt, James Hinegardner, Sean Hinton, Brandon Kent, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Steve Shaw & Sean Hinton
4/24/2023	Back Injuries and Prevention	Alan Aragon, David Frederick, Jaylyn Gordon-Ford, Aaron Hewitt, James Hinegardner, Sean Hinton, Brandon Kent, Sal Mendoza, Michael Montiel, Chris Phillips, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Steve Shaw & Sean Hinton



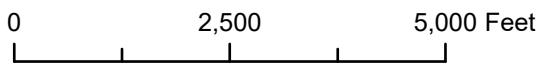
- Main Leaks**
- ★ April 2023
  - ★ 2023 (1)
  - ★ 2022 (8)
  - ★ 2021 (6)
  - ★ 2020 (8)
  - ★ 2019 (5)
- Service Leaks**
- April 2023
  - 2023 (5)
  - 2022 (54)
  - 2021 (41)
  - 2020 (30)
  - 2019 (27)
- Service Area 1  
 Service Area 2

Leak	Address
1	9220 Summer Tea Way

April 2023	
Main Line Leaks: 0	YTD: 1
Service Line Leaks: 1	YTD: 5
Total Leaks: 1	YTD: 6

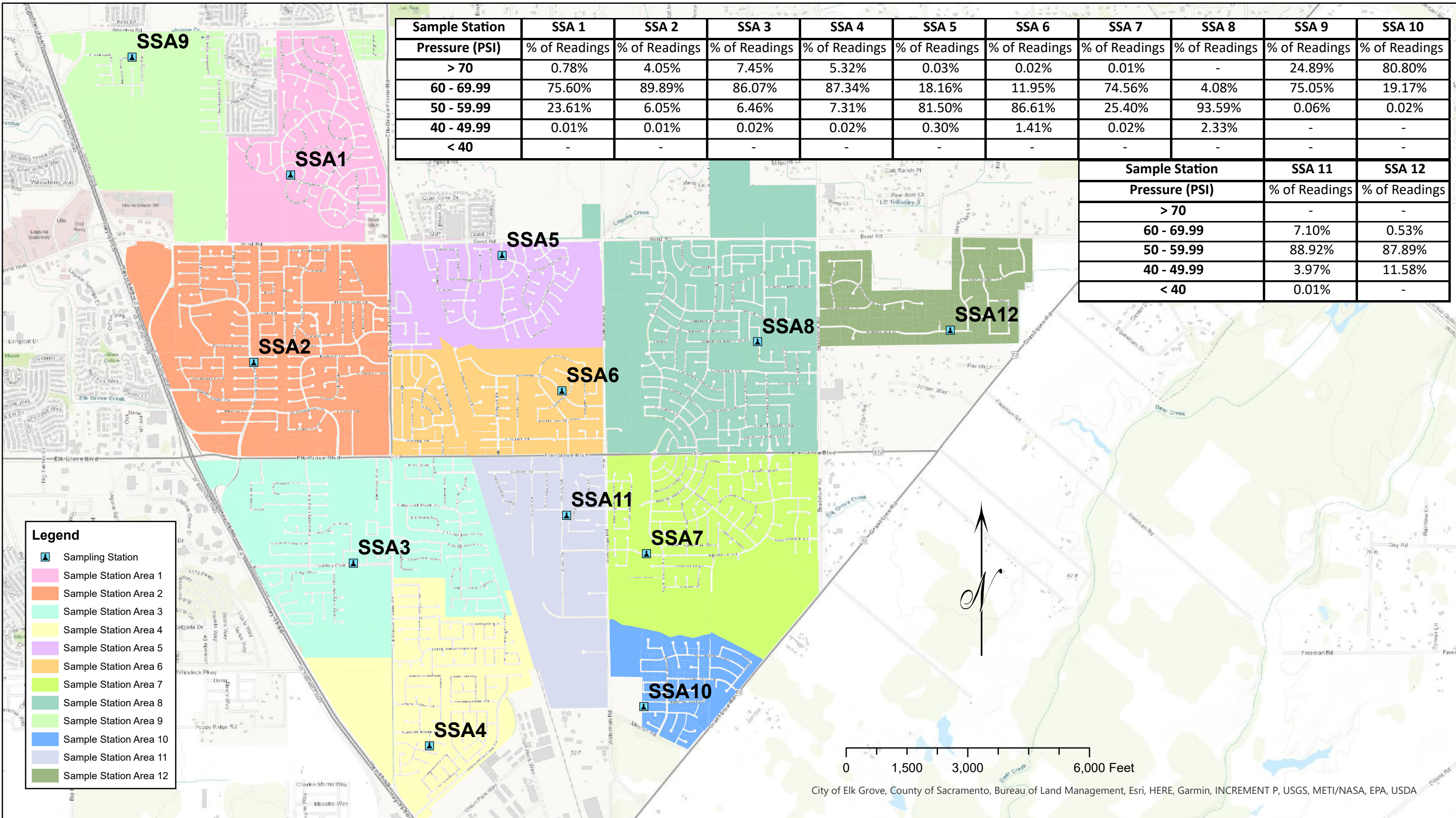


## Elk Grove Water District Main and Service Line Leaks Map



<b>Elk Grove Water District</b> <b>Main &amp; Service Line Leaks</b> Created by: Richard Ko Date: May 3, 2023
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Esri, NASA, NGA, USGS, FEMA, City of Elk Grove, County of Sacramento, California State Parks, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA



- Legend**
- Sampling Station
  - Sample Station Area 1
  - Sample Station Area 2
  - Sample Station Area 3
  - Sample Station Area 4
  - Sample Station Area 5
  - Sample Station Area 6
  - Sample Station Area 7
  - Sample Station Area 8
  - Sample Station Area 9
  - Sample Station Area 10
  - Sample Station Area 11
  - Sample Station Area 12

**Sample Stations: 12**

April 2023



## Elk Grove Water District

### Sample Station Areas

Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402

Source: EGWD GIS Database

Modified by: Richard Ko

May 4, 2023