

REGULAR MEETING OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS

Agenda

Tuesday, January 17, 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. 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. Oath of Office

(Stefani Phillips, Board Secretary)

4-5

Associate Director Comment

Public Comment

Recommended Action/Information: Information only.

3. Consent Calendar

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

- | | |
|--|-------|
| a. Minutes of Regular Board Meeting of November 15, 2022 | 8-12 |
| b. Minutes of Special Board Meeting of December 13, 2022 | 13 |
| c. Accounts Payable Check History – November 2022 | 14-17 |
| d. Accounts Payable Check History – December 2022 | 18-21 |
| e. Board and Employee Expense/Reimbursements – November 2022 | 22 |
| f. Board and Employee Expense/Reimbursements – December 2022 | 23 |
| g. Active Accounts – November 2022 | 24 |
| h. Active Accounts – December 2022 | 25 |
| i. Bond Covenant Status for FY 2021-22 – November 2022 | 26 |
| j. Bond Covenant Status for FY 2021-22 – December 2022 | 27 |
| k. CASH - Detail Schedule of Investments– November 2022 | 28 |
| l. CASH - Detail Schedule of Investments– December 2022 | 29 |
| m. Consultants Expenses – November 2022 | 30 |
| n. Consultants Expenses – December 2022 | 31 |

- o. Major Capital Improvement Projects – November 2022 32
- p. Major Capital Improvement Projects – December 2022 33

Associate Director Comment

Public Comment

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

4. 2024-2028 Water Rate and Connection Fee Study Financial Plan 34-62
 (Patrick Lee, Finance Manager)

Associate Director Comment

Public Comment

Recommended Action/Information: Discuss and provide direction to staff.

5. Florin Resource Conservation District Election of Officers – 2023 63-64
 (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action/Information: Elect a Chair and Vice-Chair for the 2023 calendar year.

6. Florin Resource Conservation District Committee Appointments and Outside Agency Representation – 2023 65-67
 (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action/Information:

1. Appoint Directors to sit on the Conservation and Infrastructure Committees of the Florin Resource Conservation District; and
2. Appoint Representatives for outside agency participation.

7. Sacramento Local Agency Formation Commission Special District Advisory Committee Member Nominations 68-69
 (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action/Information: Nominate a member of the Board to join Sacramento Local Agency Formation Commission Special District Advisory Committee.

8. Elk Grove Water District Fiscal Year 2022-23 Quarterly Operating Budget Status Report 70-78

(Patrick Lee, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

Recommended Action/Information: Information only.

9. Elk Grove Water District Fiscal Year 2022-23 Quarterly Capital Reserve Status Report 79-82

(Patrick Lee, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

Recommended Action/Information: Information only.

10. Sustainable Groundwater Management Grant Proposal Resolution 83-98

(Bruce Kamilos, General Manager)

Associate Director Comment

Public Comment

Recommended Action/Information: Adopt Resolution No. 01.17.23.01, authorizing Omochumne-Hartnell Water District to submit a grant proposal for the South American Subbasin on its behalf.

11. General Manager's Report 99-112

(Bruce Kamilos, General Manager)

Associate Director Comment

Public Comment

Recommended Action/Information: Information only.

12. Elk Grove Water District Operations Report – November and December 2022 113-218

(Bruce Kamilos, General Manager)

Associate Director Comment

Public Comment

Recommended Action/Information: Information only.

13. Directors Comments

Adjourn to Regular Meeting – February 21, 2023

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District
FROM: Stefani Phillips, Board Secretary
SUBJECT: **OATH OF OFFICE**

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 Board Secretary will administer the Oath of Office to Paul Lindsay, Elliot Mulberg, and Tom Nelson to affirm the office of Director to the Florin Resource Conservation District (FRCD).

DISCUSSION

Background

Every two (2) years following a statewide election, the Board Secretary administers the Oath of Office to the newly elected FRCD Board of Directors (Board). According to the Resource Conservation District Code 9, the Oath of Office may be given any time following the fourth Friday at noon in November. The elected directors shall qualify within 20 days from the date of receipt of their certificates of election by taking the oath.

Directors Paul Lindsay, Elliot Mulberg, and Tom Nelson are each incumbents of the FRCD. Paul Lindsay became an Associate Board member in September of 2019. In February of 2022 he was appointed by the Board to fill a vacant seat for the remainder of Director Bob Gray's four-year term (2018-2022) after his passing in December 2021. Director Elliot Mulberg served several terms over the years. He was first seated on the Board in 2008 and has served three (3) terms. Director Tom Nelson was first seated on the Board on September 21, 2005, he has served a total of five (5) terms.

Present Situation

Directors Paul Lindsay, Elliot Mulberg, and Tom Nelson each pulled and filed candidacy papers for the November 8, 2022, election. The FRCD did not exceed the number of offices to be filled at the General Election and therefore an election was not held.

OATH OF OFFICE

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A petition signed by 10% of the voters or 50 voters, whichever is the smaller number, in the district or trustee area if elected by trustee area, requesting that the district general election be held was not presented, therefore, in accordance with Elections Code §10515, the Board of Supervisors were requested to appoint Paul Lindsay, Elliot Mulberg, and Tom Nelson who filed a declaration of candidacy to take office and serve exactly as if elected in the general district election.

An Oath of Office shall be administered to Paul Lindsay, Elliot Mulberg, and Tom Nelson as affirmation for the office of Director to the FRCD.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

For operations of the District the Board By-Laws stipulates that the Board of Directors is comprised of five (5) Board members.

FINANCIAL SUMMARY

There is no financial impact associated with this item at this time.

Respectfully Submitted,


STEFANI PHILLIPS,
BOARD SECRETARY

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

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

SUBJECT: **CONSENT CALENDAR**

RECOMMENDATION

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

SUMMARY

Consent Calendar items a – p 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 – p.

DISCUSSION

Background

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

Present Situation

Consent Calendar items a – p 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.

January 17, 2023

CONSENT CALENDAR

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, November 15, 2022

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

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

Directors Present: Sophia Scherman, Tom Nelson, Paul Lindsay, Lisa Medina, Elliot Mulberg
Directors Absent: None
Staff Present: Bruce Kamilos, General Manager; Patrick Lee, Finance Manager/Treasurer; Stefani Phillips, Human Resources Administrator/Board Secretary; Donella Murillo, Finance Supervisor; Travis Franklin, Program Manager; Ben Voelz, Associate Engineer; Amber Kavert, Human Resources Technician; Sean Hinton, Water Distribution Supervisor
Staff Absent: None
Associate Directors Present: None
Associate Directors Absent: None
General Counsel Present: Ren Nosky, JRG Attorneys at Law
Consultants Present: Mitesh Desai, Badawi & Associates
Public Present: Eileen Cawell

Public Comment

No comment.

1. Proclamations and Announcements

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

2. Consent Calendar

- a. Minutes of Regular Board Meeting of October 18, 2022
- b. Accounts Payable Check History – October 2022
- c. Board and Employee Expense/Reimbursements – October 2022
- d. Active Accounts – October 2022
- e. Bond Covenant Status for FY 2022-23 – October 2022
- f. CASH - Detail Schedule of Investments – October 2022
- g. Consultants Expenses – October 2022
- h. Major Capital Improvement Projects – October 2022

Item b was pulled for questions.

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

Questions on item b were asked and answered.

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

3. **Year to Date Revenues and Expenses Compared to Budget – November**

Finance Manager Patrick Lee provided an overview on the Year-to-Date Revenues and Expenses Compared to Budget for November 2022.

The Board moved agenda item 5 up in advance of agenda item 4.

5. **2024-2028 Water Rate and Connection Fee Study Community Advisory Committee Formation**

Mr. Lee presented the item to the Board.

In summary, at the September Board Meeting, the Board authorized staff to move forward with the creation of the Community Advisory Committee (CAC) to assist in providing input on the 2024-2028 Water Rate and Connection Fee Study (Study). Staff got the word out in a variety of ways, soliciting applications from interested customers and property owners within the EGWD service areas. Applications were due October 31, 2022 by 5:00 PM. Staff received ten (10) eligible applicants to serve on the CAC. Those applicants are Rita Archuff, Richard Baker, Robert Blank, Mark Freathy, Kimberly Martin, Leopold Naranjo IV, Reinold Rau, Robert Stresak, Donald Trethewey, and Dwight Weathers. In addition to assigning the above applicants to the CAC, staff recommended the Board consider assigning to the CAC at least one (1) Board member, but no more than two (2), to serve as liaison between the CAC and the full Board. The liaison would be responsible for sharing with the full Board a summary of input and considerations discussed at the CAC meetings.

Director Paul Lindsay asked what the vetting process was for the CAC members. Mr. Lee explained the applicants were reviewed with the eligibility criteria, their account history was looked at, and Mr. Kamilos contacted each member and spoke with them. He explained some of the members are repeats from the last study and that the new members were very engaging and excited on the phone.

Chair Sophia Scherman expressed her desire for the CAC to have a Chair to speak for the committee. Staff will have the CAC chose a Chair at the first CAC meeting.

Director Lindsay asked to be the Board member assigned to the CAC.

MSC (Mulberg/Nelson) to approve the formation of a Community Advisory Committee to assist with providing input on the 2024-2028 Water Rate and Connection Fee Study, including Director Paul Lindsay as the Board liaison, and to have the CAC select a Chair for the committee. 5/0: Ayes: Lindsay, Nelson, Medina, Mulberg, and Scherman.

4. **Annual Comprehensive Financial Report for the Fiscal Years Ended June 30, 2022, and 2021**

Mr. Lee presented the item to the Board and introduced Mitesh Desai from Badawi & Associates to present a PowerPoint.

Mr. Desai presented his PowerPoint of the audit to the Board and answered all questions asked.

MSC (Lindsay/Medina) to accept and file the Annual Comprehensive Financial Report for the fiscal years ended June 30, 2022 and 2021. 5/0: Ayes: Lindsay, Nelson, Medina, Mulberg, and Scherman.

6. Elk Grove Water District Fiscal Year 2023-27 Capital Improvement Program and Operating Budget Amendment

Associate Engineer Ben Voelz presented the item to the Board.

In summary, in July 2022, an unforeseen vehicle accident resulted in the total loss of a District vehicle and insurance reimbursement of \$42,104.89 for the totaled vehicle. There is currently no money in the FY 2022-23 CIP allocated for the purchase of a replacement vehicle. Due to this, the EGWD FY 2023-27 CIP and FY 2022-23 Operating Budget needed to be revised to include the necessary funding to purchase a replacement vehicle. The District solicited bids for a Ford F-350, based on build-out specifications and Elk Grove Ford was the lowest responsive, responsible bidder.

There was a lengthy discussion. Director Elliot Mulberg asked about the District purchasing an F-350 as opposed to another F-150. Mr. Voelz explained the District looked at its current fleet and determined, to meet requirements, a bigger truck was needed. It was also mentioned the bigger truck is necessary for flexibility with different jobs.

Director Lindsay asked how many F-150s the District currently has. Staff will send a list of the fleet to the Board.

MSC (Nelson/Medina) to 1. Adopt Resolution No. 11.15.22.01, amending the Elk Grove Water District Fiscal Year 2023-27 Capital Improvement Program and approving an additional appropriation of \$65,337.32 from future capital improvement reserve funds to the Fiscal Year 2022-23 Capital Improvement Program Budget for the purchase of a new truck and amending the Elk Grove Water District Fiscal Year 2022-23 Operating Budget appropriating an additional \$23,232.43 from operating reserves to fund expenditures in excess of revenues for fiscal year 2022-23; and 2. Authorize the General Manager to execute a purchase order with Elk Grove Ford, in the amount of \$65,337.32, for the purchase of a new District vehicle. 3/2: Ayes: Nelson, Medina, and Scherman. Abstain: Lindsay, Mulberg.

7. Onsite Hypochlorite Generation Unit – Railroad Water Treatment Plant

Mr. Voelz presented the item to the Board.

In summary, this fiscal year's capital improvement plan includes the ChlorTec System Replacements project. This project replaces the existing onsite hypochlorite generation system at the Railroad Water Treatment Plant (RRWTP). The sodium hypochlorite generation system is a very important piece of the District's treatment process, which ensures that the water delivered to customers is bacteria free and safe to drink. Sodium hypochlorite is a widely used disinfectant for drinking water that is a safe, inexpensive, and effective way to supply safe drinking water and meet the California State Water Board's disinfection requirements. The District generates its own sodium hypochlorite onsite through an electrolytic generation process that produces the disinfectant using specialized salt and water. The existing onsite hypochlorite generation system has been in operation since the RRWTP was constructed in 2004. With Board approval, District staff is planning to order the new hypochlorite generation system as soon as possible. Staff solicited and received bids from two (2) companies that meet District requirements. DeNora Water Technologies was the lowest responsive, responsible bidder for the project with a bid of \$129,950.

MSC (Mulberg/Lindsay) to authorize the General Manager to execute a purchase order in the amount of \$129,950 to DeNora Water Technologies to procure a replacement onsite hypochlorite generation unit. 5/0: Ayes: Lindsay, Nelson, Medina, Mulberg, and Scherman.

8. **Bylaws of the Florin Resource Conservation District**

Board Secretary Stefani Phillips presented the item to the Board.

In summary, the District Bylaws were last updated in 2020 and a review of the Bylaws was identified as an objective for fiscal year 2022-23 in the District 2020-2025 Strategic Plan. A change made to the Bylaws in February 2022 was the elimination of the Finance Committee as a standing committee. The Board absolved the Finance Committee as a standing committee because it embodies the entire Board and does not constitute the meaning of a committee. The Board and staff reviewed the Strategic Plan objectives in March 2022 and it was requested that staff bring back an agenda item later in the year to discuss and potentially update the FRCD Bylaws.

There were no items discussed for change.

9. **Future Florin Resource Conservation District Board Chambers Use**

Ms. Phillips presented the item to the Board.

In summary, At the October 18, 2022 board meeting, the Board voted to return to in person board meetings beginning November 2022. The Board asked staff to return with an agenda item regarding the future use of the Board Chambers.

Eileen Cawell, a member of a rural community association asked if the group could use the Board Chambers for their meetings.

The Board had a discussion on what outside groups using the Board Chambers would look like. Staff will work with the Board on creating a policy.

10. **General Managers Report**

Mr. Kamilos presented the item to the Board.

In summary, Mr. Kamilos explained the emergency generator was installed at the Administration Building and after a final inspection, the District will obtain a final certificate of occupancy. He also explained the District has begun working with Bryce Consulting on a compensation study.

11. **State Water Resources Control Board Letter – Rescission and Reissuance of General Order for Monitoring Per- and Polyfluoroalkyl Substances**

Mr. Kamilos provided information on the letter to the Board.

In summary, the State Water Board notified the District that it had reissued a statewide general order for monitoring PFAS under General Order DW 2022-0001-DDW. Beginning in the first quarter of calendar year 2023, the General Order requires the District to perform quarterly sampling of Well 4D, Well 11D, Well 14D and Well 13 for 25 different PFAS constituents. The wells required for sampling and the 25 PFAS constituents are listed in Exhibits A and B of the General Order. The sampling must continue each quarter until notified by the State Water Board. If two (2) consecutive quarters of testing results are below the reporting levels listed in Exhibit B of the General Order, a public water system may submit a request to the Division of Drinking Water, State Water Board, for a modification or reduction in monitoring.

12. **Elk Grove Water District Operations Report – September 2022**

Mr. Kamilos presented the EGWD Operations Report – September 2022 to the Board.

13. Directors Comments

Chair Scherman stated there will be no regular meeting in December; however the Board will hold a special board meeting to discuss the 2024-2028 Water Rate and Connection Fee Study.

14. Closed Session

Nothing to report.

Adjourn to Regular Board Meeting on November 15, 2022.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary

AK/SP

**MINUTES OF THE SPECIAL MEETING OF
THE FLORIN RESOURCE CONSERVATION DISTRICT
BOARD OF DIRECTORS AND THE COMMUNITY ADVISORY COMMITTEE**

Tuesday, December 13, 2022

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

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

Directors Present: Sophia Scherman, Tom Nelson, Paul Lindsay, Lisa Medina, Elliot Mulberg

Committee Members Present: Robert Blank, Rita Achuff, Richard Baker, Mark Freathy, Kimberly Martin, Leopold Naranjo IV, Reinold Rau, Robert Stresak, Donald Trethewey, Dwight Weathers

Staff Present: Bruce Kamilos, General Manager; Patrick Lee, Finance Manager/Treasurer; Stefani Phillips, Human Amber Kavert, Human Resources Technician

Consultants Present: Theresa Jurotich, Raftelis

Public Comment

Nothing to report.

1. 2024-2028 Water Rate and Connection Fee Study

General Manager Bruce Kamilos kicked off the meeting with introductions from the Florin Resource Conservation District (District) Board of Directors (Board), staff, and the Community Advisory Committee (CAC).

Finance Manager Patrick Lee introduced Theresa Jurotich from Raftelis, the company performing the water rate and connection fee study for the District. Ms. Jurotich presented a PowerPoint presentation outlining what goes into the Water Rate Study. Questions were asked and answered throughout the presentation.

CAC member Donald Trethewey shared his concern on getting the information on the Water Rate Study in enough time in advance of the scheduled meetings to properly review all documents. Director Paul Lindsay, who is also a CAC member, suggested providing the information to all CAC members a week in advance of the meetings. Staff committed to doing their best to provide the information a week in advance.

Adjourn to Regular Board Meeting on January 17, 2023, at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary
AK/SP

Check History Report

**11/1/2022 to 11/30/2022
Elk Grove Water District**

Check Number	Check Date	Vendor Number	Name	Check Amount	Explanation
056270	11/2/2022	AMAZON	AMAZON CAPITAL SERVICES	937.07	(6) Invoices - Materials & Supplies - ADMIN /OPS
056271	11/2/2022	BAY 3	BAY ALARM COMPANY	492.00	
056272	11/2/2022	BG SOLU	SOLUTIONS BY BG INC.	10,660.00	Daily Tasks/Help Tickets
056273	11/2/2022	BOBCAT	BOBCAT DNF, INC	176.84	
056274	11/2/2022	BSK4	BSK ASSOCIATES	2,192.00	Sampling - Treatment
056275	11/2/2022	CASTEAM	CALIFORNIA STEAM	278.32	
056276	11/2/2022	CCPPM	CCPPM	44.84	
056277	11/2/2022	CDW	CDW GOVERNMENT	13,890.87	*Microsoft Annual Licensing for office 365 and Window Servers
056278	11/2/2022	CINTAS2	CINTAS	342.58	
056279	11/2/2022	COUNTY4	SACRAMENTO COUNTY UTILITIES	458.18	
056280	11/2/2022	COUNTY4	SACRAMENTO COUNTY UTILITIES	288.23	
056281	11/2/2022	COVER A	COVERALL NORTH AMERICA, INC	1,549.00	
056282	11/2/2022	CRF FWA	FRANCK WAOTA	107.55	Account Closed - Customer Refund
056283	11/2/2022	CRF JCC	JUDY & CLIFFORD COFFEY	341.42	Account Closed - Customer Refund
056284	11/2/2022	CRF MBA	MOHAMMED BABAR	818.78	Account Closed - Customer Refund
056285	11/2/2022	CRF MPE	MICHELS PACIFIC ENERGY, INC	1,934.20	Account Closed - Customer Refund
056286	11/2/2022	CRF TAG	TIFFANY AGRUSA	0.41	Account Closed - Customer Refund
056287	11/2/2022	CRF VIN	VINTAGE PAVING	2,459.36	Account Closed - Customer Refund
056288	11/2/2022	CRF WGA	WILMA GATES	19.60	Account Closed - Customer Refund
056289	11/2/2022	CRFAT&E	ALLIED TITLE & ESCROW SERVICES	95.79	Account Closed - Customer Refund
056290	11/2/2022	DATAPRO	DATAPROSE LLC	1,274.00	Rates and Fees Insert
056291	11/2/2022	DATAPRO	DATAPROSE LLC	513.76	Customer Service Survey Insert
056292	11/2/2022	DITCH 3	DITCH WITCH WEST	1,169.11	Repairs & Maintenance - Core Bit & Oscillators
056293	11/2/2022	FRONT C	FRONTIER COMMUNICATIONS	255.94	
056294	11/2/2022	INT STA	INTERSTATE OIL COMPANY	3,423.42	Fuel
056295	11/2/2022	JAYS	JAY'S TRUCKING SERVICE	964.20	Materials and Dump Fees - Distribution, CIP
056296	11/2/2022	OREILLY	O'REILLY AUTO PARTS	149.08	
056297	11/2/2022	PACE	PACE SUPPLY CORP	466.56	(2) Invoices - Materials - CIP 2nd Ave
056298	11/2/2022	PAULA M	PAULA MAITA & COMPANY	342.76	
056299	11/2/2022	PEST	PEST CONTROL CENTER INC	84.00	
056300	11/2/2022	REPUBLI	REPUBLIC SERVICES #922	827.28	Trash, Recycle, Organics - Sept 2022 - ADMIN
056301	11/2/2022	REPUBLI	REPUBLIC SERVICES #922	677.80	Trash, Recycle, Organics - Oct 2022 - ADMIN
056302	11/2/2022	REPUBLI	REPUBLIC SERVICES #922	1,547.29	Trash, Recycle, Organics - Oct 2022 - MOC
056303	11/2/2022	ROOCO	ROOCO RENTS	3,443.05	(5) Invoices - Materials - CIP 2nd Ave
056304	11/2/2022	SIERRA	SIERRA OFFICE SUPPLIES	428.74	
056305	11/2/2022	SMUD	SMUD	1,028.28	
056306	11/2/2022	SMUD	SMUD	444.60	
056307	11/2/2022	SMUD	SMUD	9,433.20	
056308	11/2/2022	SMUD	SMUD	11,534.29	
056309	11/2/2022	SMUD	SMUD	2,228.86	

056310	11/2/2022	SMUD	SMUD	54.87	
056311	11/2/2022	SMUD	SMUD	10,054.16	
056312	11/2/2022	SMUD	SMUD	3,835.94	
056313	11/2/2022	SMUD	SMUD	586.84	
056314	11/2/2022	SOUTHWE	SOUTHWEST ANSWERING SERVICE,	979.47	
056315	11/2/2022	TEICH A	TEICHERT AGGREGATES	1,384.35	(2) Invoices - Materials - CIP 2nd Ave
056316	11/2/2022	TRE&TRA	TRENCH & TRAFFIC SUPPLY	4,758.75	(5) invoices - Equipment Rental - CIP 2nd Ave
056317	11/2/2022	WARREN	WARREN CONSULTING ENGINEERS,	1,500.00	ADMIN Building Parking Lot Project
056318	11/4/2022	DAVE WE	DAVE WEBER	350.00	Landscaping - ADMIN
056319	11/9/2022	ACWAJPI	CB&T/ ACWA-JPIA	67,376.75	Medical Benefits - December 2022
056320	11/9/2022	AMAZON	AMAZON CAPITAL SERVICES	73.56	
056321	11/9/2022	BSK4	BSK ASSOCIATES	588.00	Sampling - Treatment
056322	11/9/2022	CHECK P	CHECK PROCESSORS, INC	345.20	
056323	11/9/2022	CHIC12	CHICAGO TITLE COMPANY	23.31	Account Closed - Customer Refund
056324	11/9/2022	CINTAS2	CINTAS	171.29	
056325	11/9/2022	CR FAT2	FIRST AMERICAN TITLE	185.71	Account Closed - Customer Refund
056326	11/9/2022	CR VSS	VSS INTERNATIONAL	2,505.68	Account Closed - Customer Refund
056327	11/9/2022	CRCHI15	CHICAGO TITLE CO.	4.73	Account Closed - Customer Refund
056328	11/9/2022	CRF HPA	HIMANSHU PATEL	85.00	Account Closed - Customer Refund
056329	11/9/2022	CRF JEV	JENNIFER AVILA	5.37	Account Closed - Customer Refund
056330	11/9/2022	CRF NVC	NV COMMUNICATIONS	1.15	Account Closed - Customer Refund
056331	11/9/2022	CRF SDH	SONG SHENG DESMOND HO	59.97	Account Closed - Customer Refund
056332	11/9/2022	CRFFTC	FIRST AMERICAN TITLE COMPANY	200.58	Account Closed - Customer Refund
056333	11/9/2022	CS BK	CARD SERVICES	2,234.67	Meals, Employee Recognition, Software, Materials, EG Chamber
056334	11/9/2022	CS DM	CARD SERVICES	911.03	Software Programs, CSMFO Conference Registration, Supplies, Utilities
056335	11/9/2022	CS SP	CARD SERVICES	704.05	Materials, Supplies, Software Programs
056336	11/9/2022	CS SS	CARD SERVICES	685.57	Parking, Tools, Repairs, Maintenance, Public Relations(Harvest Fest)
056337	11/9/2022	CSPL	CARD SERVICES	1,220.00	*Membership Fees, CSMFO Conference Registration, *Website Hosting
056338	11/9/2022	DATAPRO	DATAPROSE LLC	8,209.88	DP - EBill Annual Fee*, Billing, Postage and Inserts - October 2022
056339	11/9/2022	DELPHIA	DELPHIA CONSULTING, LLC	825.00	Contracted Services - HRMS - Payroll and HR
056340	11/9/2022	EARL CO	EARL CONSULTING CO., LLC	1,080.00	Project Management - New ADMIN Building
056341	11/9/2022	EG FORD	ELK GROVE FORD	4,252.70	(6) Invoices - Repairs & Maintenance Vehicles - OPS
056342	11/9/2022	GRAINGE	GRAINGER	84.57	
056343	11/9/2022	INT STA	INTERSTATE OIL COMPANY	3,213.36	Fuel
056344	11/9/2022	JOHN'S	JOHN'S SALT SERVICE INC.	9,095.34	Materials - Treatment
056345	11/9/2022	JRG	JRG ATTORNEYS, LLP	1,020.00	Legal - October 2022
056346	11/9/2022	LAKE V	LAKE VUE ELECTRIC, INC	806.00	Repairs & Maintenance - Surge Suppressor - Treatment
056347	11/9/2022	LIFE ST	LIFE STORAGE #669	1,068.75	(3) Storage Rentals, Ins & Late Fees
056348	11/9/2022	PACE	PACE SUPPLY CORP	1,081.62	(2) Invoices - Materials - Distribution
056349	11/9/2022	SAC 5	SACRAMENTO COUNTY	20.00	
056350	11/9/2022	SIERRA	SIERRA OFFICE SUPPLIES	139.18	
056351	11/9/2022	SWRCB2	SWRCB-DWOCP	60.00	Certification Renewal D2 - Bruce Kamilos
056352	11/9/2022	WALKER	WALKER KREATIVE	1,800.00	Social Media Public Outreach Campaign
056353	11/15/2022	AFLAC	AFLAC	1,444.92	
056354	11/15/2022	AMAZON	AMAZON CAPITAL SERVICES	1,441.47	(6) Invoices - Materials & Supplies - ADMIN, Distribution, IT
056355	11/15/2022	BACK TE	BACKFLOW TECHNOLOGIES, INC	1,235.00	Contracted Services - Backflow Testing
056356	11/15/2022	BADAWI	BADAWI & ASSOCIATES	2,617.50	FY 2022 Audit
056357	11/15/2022	BG SOLU	SOLUTIONS BY BG INC.	9,901.51	Daily Tasks/Help Tickets
056358	11/15/2022	BRYCE	BRYCE CONSULTING, INC	760.00	HR Technical Services

056359	11/15/2022	BSK4	BSK ASSOCIATES	96.00	Sampling - Treatment
056360	11/15/2022	CAL CUT	CALIFORNIA CUT & CORE, INC	400.00	
056361	11/15/2022	CCPPM	CCPPM	44.84	
056362	11/15/2022	CFSIS	SILVIA SHEARER	34.68	Account Closed - Customer Refund
056363	11/15/2022	CHIC12	CHICAGO TITLE COMPANY	12.49	Account Closed - Customer Refund
056364	11/15/2022	CINTAS2	CINTAS	276.99	
056365	11/15/2022	COUNTY	COUNTY OF SACRAMENTO	601,670.63	Water Billings - September & October 2022
056366	11/15/2022	CR DMA	DAVID MARTCHENKE	26.03	Account Closed - Customer Refund
056367	11/15/2022	CR JDCU	JAGJIT DCUNHA	14.65	Account Closed - Customer Refund
056368	11/15/2022	CR STED	STAN EDWARDS	182.53	Account Closed - Customer Refund
056369	11/15/2022	CRCHICO	CHICAGO TITLE CO	20.48	Account Closed - Customer Refund
056370	11/15/2022	CRCHRIS	CHRISTOPHER SMITH	18.53	Account Closed - Customer Refund
056371	11/15/2022	CRF AWA	ANGELA WADE	21.12	Account Closed - Customer Refund
056372	11/15/2022	CRF DES	DENNIS SUMROW	26.09	Account Closed - Customer Refund
056373	11/15/2022	CRF ERO	EDWARD ROGERS	48.90	Account Closed - Customer Refund
056374	11/15/2022	CRF JHO	JASON HOWARD	36.17	Account Closed - Customer Refund
056375	11/15/2022	CRF JME	JEANETTE MEDINA	347.33	Account Closed - Customer Refund
056376	11/15/2022	CRF KAE	KATHLEEN EDDY	235.46	Account Closed - Customer Refund
056377	11/15/2022	CRF NDA	NICK DALEO	89.38	Account Closed - Customer Refund
056378	11/15/2022	CRF OPL	OPENDOOR LAB, INC	61.15	Account Closed - Customer Refund
056379	11/15/2022	CRF OR5	ORANGE COAST TITLE	132.78	Account Closed - Customer Refund
056380	11/15/2022	CRFCHB	CHRISTOPHER BRU	18.36	Account Closed - Customer Refund
056381	11/15/2022	CRFCHH	CHRISTINE HESS	7.79	Account Closed - Customer Refund
056382	11/15/2022	CRFJUNL	JUNZHI LI	29.23	Account Closed - Customer Refund
056383	11/15/2022	CRFKEV	KEVIN WILLHITE	174.14	Account Closed - Customer Refund
056384	11/15/2022	CRFMARP	MARGUERITE POLLARD	51.66	Account Closed - Customer Refund
056385	11/15/2022	CRFMATP	MATTHEW PINO	42.57	Account Closed - Customer Refund
056386	11/15/2022	CRFMAW	MARK WEITZEL	364.70	Account Closed - Customer Refund
056387	11/15/2022	CRFNATD	NATHANIEL DOLI	47.05	Account Closed - Customer Refund
056388	11/15/2022	CRFOCEA	OCEAN SUNSHINE GROUP, LLC	2,335.62	Account Closed - Customer Refund
056389	11/15/2022	CRFOLT	OLTIPA MCDANIEL	22.43	Account Closed - Customer Refund
056390	11/15/2022	CRFPRIN	PRINCEP VAN UCL	3.14	Account Closed - Customer Refund
056391	11/15/2022	CRFPROE	PROFESSIONAL ED	106.27	Account Closed - Customer Refund
056392	11/15/2022	CRFSPR	SPRUCE TITLE COMPANY	114.87	Account Closed - Customer Refund
056393	11/15/2022	CRGABL	GABRIELE LONG	50.61	Account Closed - Customer Refund
056394	11/15/2022	CRJENNG	JENNIFER GONZALEZ	186.75	Account Closed - Customer Refund
056395	11/15/2022	CRNICKS	NICK SHEBERT	111.89	Account Closed - Customer Refund
056396	11/15/2022	CRREXI	REX IRELAND	54.50	Account Closed - Customer Refund
056397	11/15/2022	CRWHITE	WHITE HORSE HOME INC	182.82	Account Closed - Customer Refund
056398	11/15/2022	CS AA	CARD SERVICES	1,973.29	Materials, Supplies, Equipment Rental
056399	11/15/2022	CS SH	CARD SERVICES	1,219.67	Materials, Supplies, Safety Clothing, Training
056400	11/15/2022	CS TF	CARD SERVICES	122.73	Materials & Supplies
056401	11/15/2022	DB COLS	DB CONSTRUCTIONAL LANDSCAPE	3,150.00	Landscape & Maintenance - Wellsite's & Offices
056402	11/15/2022	EGPOWER	ELK GROVE POWER EQUIPMENT	44.45	
056403	11/15/2022	HAI IE	HAI IE	156.00	Account Closed - Customer Refund
056404	11/15/2022	HOLT	HOLT OF CALIFORNIA	4,288.27	Equipment Rental - Backhoe Rental
056405	11/15/2022	JAYS	JAY'S TRUCKING SERVICE	810.00	Materials - CIP
056406	11/15/2022	KEVIN Y	KEVIN YOUNG CONCRETE	2,250.00	Remove and Replace Concrete - 9138 Locust Street

056407	11/15/2022	OREILLY	O'REILLY AUTO PARTS	83.12	
056408	11/15/2022	PEST	PEST CONTROL CENTER INC	85.00	
056409	11/15/2022	RADIAL	RADIAL TIRE OF ELK GROVE	781.37	Repairs & Maintenance - OPS
056410	11/15/2022	RAFT	RAFTELIS	3,716.25	Water Rate and Connection Fee Study
056411	11/15/2022	SAC 5	SACRAMENTO COUNTY	20.00	Lien Release
056412	11/15/2022	SIGN CE	THE SIGN CENTER	3,274.13	(3) invoices - Misc. Signs and Installations
056413	11/15/2022	TEICH A	TEICHERT AGGREGATES	1,836.93	(2) Invoices - Materials - CIP 2nd Ave
056414	11/15/2022	TRE&TRA	TRENCH & TRAFFIC SUPPLY	1,387.28	(3) Invoices - Equipment Rental - CIP Waterman Replacement Project
056415	11/15/2022	ZIVARO	ZIVARO INC.	2,716.86	*Annual Disaster Recovery Software
056416	11/18/2022	LIFE ST	LIFE STORAGE #669	933.00	(3) Storage Rentals
056417	11/18/2022	MAXWELL	DENISE MAXWELL	171.05	Reimbursement of Aflac Premiums
056418	11/18/2022	METRO2	METRO MAILING SERVICE	3,410.73	Water Drop - Postage
Total:				868,496.82	

Check History Report

12/1/2022 to 12/31/2022
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
056419	12/2/2022	AFLAC	AFLAC	1,444.92	
056420	12/2/2022	AIR QUA	AIR QUALITY	4,838.00	
056421	12/2/2022	AMAZON	AMAZON CAPITAL SERVICES	1,567.93	*Water Systems Annual Permit
056422	12/2/2022	AQUA	AQUA SIERRA CONTROLS, INC	210.00	(13) Invoices - Materials & Supplies - ADMIN/OPS
056423	12/2/2022	AQUA ME	AQUA-METRIC SALES, CO.	3,447.75	
056424	12/2/2022	BATTER	BATTERIES PLUS	1,563.23	Meters - Distribution
056425	12/2/2022	BATTER	BATTERIES PLUS	348.09	
056426	12/2/2022	BATTER	BATTERIES PLUS	549.05	
056427	12/2/2022	BAY 3	BAY ALARM COMPANY	130.75	
056428	12/2/2022	BG SOLU	SOLUTIONS BY BG INC.	9,975.82	Daily Tasks/Help Tickets
056429	12/2/2022	BSK4	BSK ASSOCIATES	410.00	Sampling - Treatment
056430	12/2/2022	CAMCITY	CAMELIA CITY MILLWORK INC.	2,065.00	Plotter Cabinets
056431	12/2/2022	CCHTC	CHICAGO TITLE COMPANY	5.58	Account Closed - Customer Refund
056432	12/2/2022	CCHTC	CHICAGO TITLE COMPANY	163.86	Account Closed - Customer Refund
056433	12/2/2022	CDW	CDW GOVERNMENT	1,880.84	*Licensing for TruePoint & ARC GIS
056434	12/2/2022	CFSIS	SILVIA SHEARER	13.89	Account Closed - Customer Refund
056435	12/2/2022	CHI TI	CHICAGO TITLE CO	355.10	Account Closed - Customer Refund
056436	12/2/2022	CINTAS2	CINTAS	336.46	
056437	12/2/2022	COEG	CITY OF ELK GROVE	4,000.00	Encroachment Permit - Elk Grove Blvd Alley CIP
056438	12/2/2022	COEG	CITY OF ELK GROVE	2,386.82	General District Maintenance
056439	12/2/2022	COEG	CITY OF ELK GROVE	4,113.25	Encroachment Permit & Overhead Allocation - 2nd Ave Water Main Replacement
056440	12/2/2022	CR DMA	DAVID MARTCHENKE	21.57	Account Closed - Customer Refund
056441	12/2/2022	CR FID	FIDELITY NATIONAL TITLE	393.02	Account Closed - Customer Refund
056442	12/2/2022	CR HORL	HORNER LAW GROUP PC	707.70	Payment Made in Error - Customer Refunded
056443	12/2/2022	CR KAR	KATHERINE REID	143.62	Account Closed - Customer Refund
056444	12/2/2022	CR STED	STAN EDWARDS	172.93	Account Closed - Customer Refund
056445	12/2/2022	CR TIEN	TIEN PHAM	31.25	Account Closed - Customer Refund
056446	12/2/2022	CRDENV	DENNIS VERSHAW	7.52	Account Closed - Customer Refund
056447	12/2/2022	CRF CTR	CHANEL T. TROUNG	81.43	Account Closed - Customer Refund
056448	12/2/2022	CRF JHO	JASON HOWARD	133.00	Account Closed - Customer Refund
056449	12/2/2022	CRF KMU	KEVIN MUNDAY	59.69	Account Closed - Customer Refund
056450	12/2/2022	CRF KUN	KUNZITE RESIDENTIAL INC	197.06	Account Closed - Customer Refund
056451	12/2/2022	CRF MBA	MOHAMMED BABAR	74.59	Account Closed - Customer Refund
056452	12/2/2022	CRF MMR	M&M REAL ESTATE	138.99	Account Closed - Customer Refund
056453	12/2/2022	CRF NDA	NICK DALEO	46.61	Account Closed - Customer Refund
056454	12/2/2022	CRF OPE	OPENDOOR PROPERTY TRUST I	199.55	Account Closed - Customer Refund
056455	12/2/2022	CRF PVU	PRINCEP VAN UCLARAY	13.09	Account Closed - Customer Refund
056456	12/2/2022	CRF RCR	RACHEL CRANE	6.73	Account Closed - Customer Refund
056457	12/2/2022	CRF STC	SPRUCE TITLE CO.	196.36	Account Closed - Customer Refund
056458	12/2/2022	CRF WWA	WADE WAYLAND	1.88	Account Closed - Customer Refund
056459	12/2/2022	CRFAT&E	ALLIED TITLE & ESCROW SERVICES	48.59	Account Closed - Customer Refund
056460	12/2/2022	CRFCHH	CHRISTINE HESS	76.00	Account Closed - Customer Refund
056461	12/2/2022	CRFCHSA	CHRIS SALZMANN	76.47	Account Closed - Customer Refund
056462	12/2/2022	CRFCTCO	CHICAGO TITLE COMPANY	16.78	Account Closed - Customer Refund
056463	12/2/2022	CRFFID5	FIDELITY NATIONAL TITLE	37.20	Account Closed - Customer Refund
056464	12/2/2022	CRFFTC	FIRST AMERICAN TITLE COMPANY	83.50	Account Closed - Customer Refund
056465	12/2/2022	CRFFTO	FIRST AMERICAN TITLE COMPANY	427.14	Account Closed - Customer Refund
056466	12/2/2022	CRFID13	FIDELITY NATIONAL TITLE	50.72	Account Closed - Customer Refund
056467	12/2/2022	CRFJENR	JENNIFER ROSEHILL	91.65	Account Closed - Customer Refund
056468	12/2/2022	CRFMARP	MARGUERITE POLLARD	80.00	Account Closed - Customer Refund

056469	12/2/2022	CRFMATS	MATILDE SILVA	89.95	Account Closed - Customer Refund
056470	12/2/2022	CRFPATM	PATRICIA MCNEILL	32.06	Account Closed - Customer Refund
056471	12/2/2022	CRHEAM	HEATHER MCDONALD	35.64	Account Closed - Customer Refund
056472	12/2/2022	CRJENR	JENNIFER RAE FISHER	30.58	Account Closed - Customer Refund
056473	12/2/2022	CRREXI	REX IRELAND	3.84	Account Closed - Customer Refund
056474	12/2/2022	CRRYROS	RYAN ROSALES	29.81	Account Closed - Customer Refund
056475	12/2/2022	CRTHOT	THOMAS TUCKER	7.99	Account Closed - Customer Refund
056476	12/2/2022	CRWHITE	WHITE HORSE HOME INC	90.45	Account Closed - Customer Refund
056477	12/2/2022	DELPHIA	DELPHIA CONSULTING, LLC	330.00	Contracted Services - HRMS - Payroll and HR
056478	12/2/2022	HOLT	HOLT OF CALIFORNIA	4,701.21	Old Backhoe Repairs
056479	12/2/2022	INT STA	INTERSTATE OIL COMPANY	1,606.10	Fuel
056480	12/2/2022	J MELLO	JUSTIN MELLO	280.14	Boot Reimbursement
056481	12/2/2022	JAYL GF	JAYLYN GORDON-FORD	339.40	Boot Reimbursement
056482	12/2/2022	JAYS	JAY'S TRUCKING SERVICE	1,336.44	Materials & Dump Fees - CIP
056483	12/2/2022	KAISER3	THE PERMANENTE MEDICAL	115.00	
056484	12/2/2022	KLEEN	KLEEN INDUSTRIAL SERVICES	60,590.60	Filter Media Replacement - Train D
056485	12/2/2022	NETWRIX	NETWRIX CORPORATION	982.30	*Security Software - PCI Compliance
056486	12/2/2022	OREILLY	O'REILLY AUTO PARTS	2.15	
056487	12/2/2022	PACE	PACE SUPPLY CORP	4,274.87	(5) Invoices - Materials - Water Main Replacement Project
056488	12/2/2022	PEST	PEST CONTROL CENTER INC	84.00	
056489	12/2/2022	PETTY	PETTY CASH	142.95	
056490	12/2/2022	PG&E	PACIFIC GAS & ELECTRIC COMPANY	165.64	
056491	12/2/2022	REE GEO	GEORGE REED	36.07	
056492	12/2/2022	REPUBLI	REPUBLIC SERVICES #922	510.66	
056493	12/2/2022	ROOCO	ROOCO RENTS	2,251.36	(2) Invoices - Materials - Water Main Replacement
056494	12/2/2022	SIERRA	SIERRA OFFICE SUPPLIES	1,249.26	
056495	12/2/2022	SOUTHW	SOUTHWEST ANSWERING SERVICE,	855.68	
056496	12/2/2022	SWRCB2	SWRCB-DWOC	105.00	Certification Renewal Reimbursement D4 - Sean Hinton
056497	12/2/2022	T FRANK	TRAVIS FRANKLIN	137.46	Travel Reimbursement - Uber
056498	12/2/2022	TEICH A	TEICHERT AGGREGATES	974.97	Rental Equipment - Water Main Replacement Project
056499	12/2/2022	TRE&TRA	TRENCH & TRAFFIC SUPPLY	678.83	Materials - Water Main Replacement Project
056500	12/2/2022	ULINE	ULINE	135.48	
056501	12/2/2022	US BANK	U.S. BANCORP EQUIPMENT FIN INC	752.14	Copier - ADMIN
056502	12/2/2022	VERIZON	VERIZON WIRELESS	540.35	
056503	12/2/2022	VRF JOF	JODY L FAIRMAN	29.35	Account Closed - Customer Refund
056504	12/2/2022	WARREN	WARREN CONSULTING ENGINEERS,	1,250.00	ADMIN Building Parking Lot Project
056505	12/2/2022	ZIVARO	ZIVARO INC.	474.60	*Office 365 Backup Software
056506	12/7/2022	AMAZON	AMAZON CAPITAL SERVICES	849.97	(4) Invoices - Materials & Supplies - ADMIN/OPS
056507	12/7/2022	BSK4	BSK ASSOCIATES	317.00	Sampling - Treatment
056508	12/7/2022	CDW	CDW GOVERNMENT	3,317.44	(5) iPads - OPS
056509	12/7/2022	CHIC12	CHICAGO TITLE COMPANY	418.60	Account Closed - Customer Refund
056510	12/7/2022	CINTAS2	CINTAS	165.96	
056511	12/7/2022	COUNTY4	SACRAMENTO COUNTY UTILITIES	88.92	
056512	12/7/2022	CRF STC	SPRUCE TITLE CO.	125.64	Account Closed - Customer Refund
056513	12/7/2022	DATAPRO	DATAPROSE LLC	6,540.71	November Billing - Postage, Bills & Monthly Insert
056514	12/7/2022	DB COLS	DB CONSTRUCTIONAL LANDSCAPE	3,150.00	Landscape & Maintenance - Wellsite's & Offices
056515	12/7/2022	EARL CO	EARL CONSULTING CO., LLC	1,237.50	Project Management - New ADMIN Building
056516	12/7/2022	FLUID T	FLUID TECH HYDRAULICS INC.	91.02	
056517	12/7/2022	FRONT C	FRONTIER COMMUNICATIONS	276.92	
056518	12/7/2022	HOLT	HOLT OF CALIFORNIA	4,745.73	Equipment Rentals - CIP
056519	12/7/2022	NAT FIR	NATIONAL FIRE SYSTEMS, INC	540.00	*Annual Fire Sprinkler Inspection
056520	12/7/2022	ONEWORK	ONE WORKPLACE	1,003.24	Materials - ADMIN
056521	12/7/2022	PACE	PACE SUPPLY CORP	1,151.86	(3) Invoices - Materials - Distribution
056522	12/7/2022	S CHEM	SIERRA CHEMICAL COMPANY	1,394.44	Supplies - Treatment
056523	12/7/2022	SMUD	SMUD	894.73	
056524	12/7/2022	SMUD	SMUD	560.14	
056525	12/7/2022	SMUD	SMUD	5,484.15	
056526	12/7/2022	SMUD	SMUD	7,157.24	

056527	12/7/2022	SMUD	SMUD	1,144.32	
056528	12/7/2022	SMUD	SMUD	50.55	
056529	12/7/2022	SMUD	SMUD	7,360.81	
056530	12/7/2022	SMUD	SMUD	3,358.67	
056531	12/7/2022	SMUD	SMUD	502.37	
056532	12/7/2022	SUMMIT	AIR WORKS INC	255.00	
056533	12/7/2022	TEICH A	TEICHERT AGGREGATES	496.32	Rental Equipment - Water Main Replacement Project
056534	12/7/2022	VERIZON	VERIZON WIRELESS	540.35	
056535	12/7/2022	WALKER	WALKER KREATIVE	1,900.00	Social Media Public Outreach Campaign
056536	12/14/2022	A.P.TH0	A.P. THOMAS CONSTRUCTION, INC	317,687.42	9829 Waterman Road - Improvements - Final Payments
056537	12/14/2022	ACWAJPI	CB&T/ ACWA-JPIA	63,428.45	Medical Benefits - January 2023
056538	12/14/2022	AIMS TE	JEROEN PREISS, AIMS TEAM LLC	16,190.00	Upgrade of AIMS
056539	12/14/2022	AMAZON	AMAZON CAPITAL SERVICES	240.78	(2) Invoices - Materials - Distribution & Treatment
056540	12/14/2022	BAY 3	BAY ALARM COMPANY	2,175.70	
056541	12/14/2022	BEN RES	BENEFIT RESOURCE, INC	125.00	
056542	12/14/2022	BG SOLU	SOLUTIONS BY BG INC.	10,034.75	Daily Tasks/Help Tickets
056543	12/14/2022	BSK4	BSK ASSOCIATES	603.00	Sampling - Treatment
056544	12/14/2022	CAP RUB	CAPITAL RUBBER & GASKET	904.45	(2) Invoices - Materials - Distribution
056545	12/14/2022	CDW	CDW GOVERNMENT	114.95	
056546	12/14/2022	CHECK P	CHECK PROCESSORS, INC	356.80	
056547	12/14/2022	CINTAS2	CINTAS	165.96	
056548	12/14/2022	COUNTY8	COUNTY OF SACRAMENTO	1,887.00	November 8, 2022 General Election - Base Set-Up Fee
056549	12/14/2022	COVER A	COVERALL NORTH AMERICA, INC	1,549.00	
056550	12/14/2022	CR AAC	ALL ACCESS CARE LLC	1,989.17	Account Closed - Customer Refund
056551	12/14/2022	CR DAD	DAVID ADAMS	79.31	Account Closed - Customer Refund
056552	12/14/2022	CR JAR	JOSHINA ARJUN	34.84	Account Closed - Customer Refund
056553	12/14/2022	CR KAED	KATHLEEN EDDY	111.97	Account Closed - Customer Refund
056554	12/14/2022	CR PROE	PROFESSIONAL ED	38.60	Account Closed - Customer Refund
056555	12/14/2022	CRF CT1	CHICAGO TITLE CO.	56.26	Account Closed - Customer Refund
056556	12/14/2022	CRF DES	DENNIS & DIANA SUMROW	25.13	Account Closed - Customer Refund
056557	12/14/2022	CRF DHL	DEMETER HOLDINGS, LLC	26.37	Account Closed - Customer Refund
056558	12/14/2022	CRF DHO	DENNIS HOOPER	13.47	Account Closed - Customer Refund
056559	12/14/2022	CRF ERO	EDWARD ROGERS	27.33	Account Closed - Customer Refund
056560	12/14/2022	CRF JEA	JEANNETTE WONG MEDINA	46.97	Account Closed - Customer Refund
056561	12/14/2022	CRF JLD	JEFFREY L. DAWKINS, SR.	51.38	Account Closed - Customer Refund
056562	12/14/2022	CRF LOK	LONA GRACE KOCH	24.30	Account Closed - Customer Refund
056563	12/14/2022	CRF MJM	MOHAMMED J. MAQBOOL	24.70	Account Closed - Customer Refund
056564	12/14/2022	CRF OPL	OPENDOOR LAB, INC	48.99	Account Closed - Customer Refund
056565	12/14/2022	CRF PAG	PAUL GOETZ	27.66	Account Closed - Customer Refund
056566	12/14/2022	CRFCHA	CHRISTOPHER HAYNES	25.41	Account Closed - Customer Refund
056567	12/14/2022	CRFJDC	JAGJIT DCUNHA	14.65	Account Closed - Customer Refund
056568	12/14/2022	CRFMEA2	MEADOWS OPERATIONS	931.03	Account Closed - Customer Refund
056569	12/14/2022	CRJENNG	JENNIFER GONZALEZ	29.33	Account Closed - Customer Refund
056570	12/14/2022	CRNICKS	NICK SHEBERT	20.45	Account Closed - Customer Refund
056571	12/14/2022	CS BK	CARD SERVICES	2,224.57	Supplies, Meals, Software, Desk Equipment, Uber
056572	12/14/2022	CS DM	CARD SERVICES	416.77	Software Programs, Supplies
056573	12/14/2022	CS SH	CARD SERVICES	1,489.67	Materials, Tools
056574	12/14/2022	CS SS	CARD SERVICES	4,722.85	Tools, Materials, Supplies
056575	12/14/2022	CS TF	CARD SERVICES	2,137.60	Conservation Swag, Winter Water Drop, Dickens Fair Supplies
056576	12/14/2022	CSPL	CARD SERVICES	585.00	*CSMFO Membership Dues, GOFA Certificate of Achievement Review Fee
056577	12/14/2022	HEWITT	AARON HEWITT	105.00	Certification Renewal Reimbursement T4
056578	12/14/2022	INT STA	INTERSTATE OIL COMPANY	1,190.78	Fuel
056579	12/14/2022	JAYS	JAY'S TRUCKING SERVICE	572.10	Materials & Dump Fees - CIP
056580	12/14/2022	JRG	JRG ATTORNEYS, LLP	2,026.00	Legal - December 2022
056581	12/14/2022	LANSET	LANSET AMERICA	1,339.81	Disaster Recovery
056582	12/14/2022	LIFE ST	LIFE STORAGE #669	247.00	(1) Storage Rental
056583	12/14/2022	MARS CO	OW INVESTORS, LLC	256.53	
056584	12/14/2022	METRO2	METRO MAILING SERVICE	3,051.21	Water Drop

056585	12/14/2022	OREILLY	O'REILLY AUTO PARTS	9.69
056586	12/14/2022	PACE	PACE SUPPLY CORP	1,973.05
056587	12/14/2022	PG&E	PACIFIC GAS & ELECTRIC COMPANY	708.94
056588	12/14/2022	S SCHER	SOPHIA SCHERMAN	120.90
056589	12/14/2022	SAC 5	SACRAMENTO COUNTY	20.00
056590	12/14/2022	SAC 5	SACRAMENTO COUNTY	20.00
056591	12/14/2022	SAC 5	SACRAMENTO COUNTY	20.00
056592	12/14/2022	SIERRA	SIERRA OFFICE SUPPLIES	1,518.41
056593	12/14/2022	SIGN CE	THE SIGN CENTER	133.25
056594	12/28/2022	AMAZON	AMAZON CAPITAL SERVICES	216.48
056595	12/28/2022	AQUA	AQUA SIERRA CONTROLS, INC	10,000.00
056596	12/28/2022	BAY 3	BAY ALARM COMPANY	480.00
056597	12/28/2022	BEN RES	BENEFIT RESOURCE, INC	125.00
056598	12/28/2022	BG SOLU	SOLUTIONS BY BG INC.	10,243.25
056599	12/28/2022	BRYCE	BRYCE CONSULTING, INC	7,505.00
056600	12/28/2022	CHIC12	CHICAGO TITLE COMPANY	20.02
056601	12/28/2022	CINTAS2	CINTAS	165.96
056602	12/28/2022	COUNTY4	SACRAMENTO COUNTY UTILITIES	288.23
056603	12/28/2022	CPHILLI	CHRISTOPHER PHILLIPS	280.10
056604	12/28/2022	CRF ABC	ABC PLUMBING	2,790.50
056605	12/28/2022	CRF HIA	HINNA ADNAN	78.43
056606	12/28/2022	CRF OPL	OPENDOOR LAB, INC	130.87
056607	12/28/2022	CRF OSN	OSN ESCROW, INC	51.22
056608	12/28/2022	CRFFTC	FIRST AMERICAN TITLE COMPANY	112.66
056609	12/28/2022	CS SP	CARD SERVICES	805.03
056610	12/28/2022	DELPHIA	DELPHIA CONSULTING, LLC	55.00
056611	12/28/2022	DITCH 3	DITCH WITCH WEST	1,240.74
056612	12/28/2022	INT STA	INTERSTATE OIL COMPANY	1,947.58
056613	12/28/2022	JAYS	JAY'S TRUCKING SERVICE	210.00
056614	12/28/2022	KEVIN Y	KEVIN YOUNG CONCRETE	2,250.00
056615	12/28/2022	LIFE ST	LIFE STORAGE #669	933.00
056616	12/28/2022	MONTIEL	MICHAEL MONTIEL	175.48
056617	12/28/2022	OREILLY	O'REILLY AUTO PARTS	42.19
056618	12/28/2022	PACE	PACE SUPPLY CORP	271.03
056619	12/28/2022	PAULA M	PAULA MAITA & COMPANY	99.14
056620	12/28/2022	PIT 3	PITNEY BOWES INC	471.00
056621	12/28/2022	PIT 6	PITNEY BOWES GLOBAL FINANCIAL SERVICES LLC	178.42
056622	12/28/2022	RAFT	RAFTELIS	7,051.25
056623	12/28/2022	SAC 5	SACRAMENTO COUNTY	20.00
056624	12/28/2022	SAC 5	SACRAMENTO COUNTY	20.00
056625	12/28/2022	SAC 5	SACRAMENTO COUNTY	20.00
056626	12/28/2022	SAC 5	SACRAMENTO COUNTY	20.00
056627	12/28/2022	SIERRA	SIERRA OFFICE SUPPLIES	82.25
056628	12/28/2022	TEI4	TEICHERT	970.83
056629	12/28/2022	TRE&TRA	TRENCH & TRAFFIC SUPPLY	310.32
056630	12/28/2022	US BANK	U.S. BANCORP EQUIPMENT FIN INC	752.14
056631	12/28/2022	USS	UNITED SITE SERVICES	1,217.40
056632	12/28/2022	WEIDNER	WEIDNERCA	288.96
Total:				679,712.10

(2) Invoices - Materials - Distribution & Treatment

Reimbursement - Employee Appreciation
Lien Release
Lien Release
Lien Release

Water Treatment Improvements - Well4D

Daily Tasks/Help Tickets
2022 Compensation Study Services Project
Account Closed - Customer Refund

Boot Reimbursement

Account Closed - Customer Refund
Account Closed - Customer Refund
Account Closed - Customer Refund
Account Closed - Customer Refund
Storage Rentals, Software Program, Meals

(2) Invoices - Materials & Parts - Utility Crew
Fuel

Replace Damaged Concrete - 9205 Locust Street
(3) Storage Rentals
Boot Reimbursement

Water Rate and Connection Fee Study

Lien Release
Lien Release
Lien Release
Lien Release

Equipment Rentals - Water Main Replacement Project

Copier - ADMIN

Materials - ADMIN

BOARD AND EMPLOYEE MONTHLY EXPENSE/REIMBURSEMENTS

As of 11/30/2022

INDIVIDUAL	DESCRIPTION	AMOUNT PAID
Patrick Lee	CSMFO 2023 Conference Registration	\$470.00
Patrick Lee	GFOA Annual Membership Dues	\$150.00
Denise Maxwell	Reimbursement of Aflac Premiums	\$171.05
Donella Murillo	CSMFO 2023 Conference Registration	\$470.00
Sophia Scherman	EG Chamber Dinner	\$120.00
John Vance	CEU'S Renewal of Treatment Certification	\$160.98
		\$1,542.03

BOARD AND EMPLOYEE MONTHLY EXPENSE/REIMBURSEMENTS

As of 12/31/2022

INDIVIDUAL	DESCRIPTION	AMOUNT PAID
Travis Franklin	Travel Reimbursement	\$137.46
Justin Mello	Boot Reimbursement	\$280.14
Jaylyn Gordon-Ford	Boot Reimbursement	\$339.40
Patrick Lee	CSMFO Membership Dues	\$125.00
Aaron Hewitt	Certification Renewal T4	\$105.00
Sean Hinton	Certification Renewal D4	\$105.00
Christopher Phillips	Boot Reimbursement	\$280.10
Sophia Scherman	Reimbursement Employee Appreciation	\$120.90
Sophia Scherman	Credit Issued for EG Chamber Dinner (November 2022)	-\$120.00
Michael Montiel	Boot Reimbursement	\$175.48
		\$1,548.48

Active Account Information
As of 11/30/2022

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	12,303	12,292	12,293	12,289	12,300							
Commercial	361	361	360	361	360							
Irrigation	185	187	186	186	186							
Fire Service	186	186	187	187	187							
Total Accounts	13,035	13,026	13,026	13,023	13,033	-	-	-	-	-	-	-

Active Account Information
FY 2021/2022

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
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
Total Accounts	13,033	13,047	13,028	13,037	13,027	13,042	13,030	13,023	13,044	13,037	13,023	13,046

Active Account Information
As of 12/31/2022

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	12,303	12,292	12,293	12,289	12,300	12,299						
Commercial	361	361	360	361	360	360						
Irrigation	185	187	186	186	186	187						
Fire Service	186	186	187	187	187	187						
Total Accounts	13,035	13,026	13,026	13,023	13,033	13,033	-	-	-	-	-	-

Active Account Information
FY 2021/2022

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
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
Total Accounts	13,033	13,047	13,028	13,037	13,027	13,042	13,030	13,023	13,044	13,037	13,023	13,046

**Bond Covenant Status
For Fiscal Year 2022-23
As of 11/30/2022**

Operating Revenues:	
Charges for Services	\$ 7,450,723
 Operating Expenses:	
Salaries & Benefits	1,756,042
Seminars, Conventions and Travel	11,013
Office & Operational	625,964
Purchased Water	1,550,787
Outside Services	303,875
Equipment Rent, Taxes, and Utilities	286,047
Total Operating Expenses	4,533,727
 Net Operating Income	 \$ 2,916,996
Annual Interest & Principal Payments \$3,883,204	\$ 1,618,002 (1)
 Debt Service Coverage Ratio, YTD Only:	 1.80
 Required	 1.15

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**

**Elk Grove Water District
Bond Covenant Status
For Fiscal Year 2022-23
As of 12/31/2022**

Operating Revenues:	
Charges for Services	\$ 8,599,492
 Operating Expenses:	
Salaries & Benefits	2,078,894
Seminars, Conventions and Travel	12,412
Office & Operational	699,070
Purchased Water	1,770,421
Outside Services	399,370
Equipment Rent, Taxes, and Utilities	318,000
Total Operating Expenses	5,278,166
 Net Operating Income	 \$ 3,321,326
 Annual Interest & Principal Payments	
\$3,883,204	\$ 1,941,602 (1)
 Debt Service Coverage Ratio, YTD Only:	 1.71
 Required	 1.15

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**

**CASH - Detail Schedule of Investments
As of 11/30/2022**

<u>G/L Account : Fund</u>		<u>Account number / name</u>	<u>Investment Name</u>	<u>Investment Type</u>		<u>Restrictions</u>	<u>Market Value</u>			
<u>HELD BY BOND TRUSTEE:</u>										
1110-000-20	Water	BNY 892744 FRCD 2014A DEBT SERVICE	Dreyfus Inst Treasury	MM Mutual Fund		Restricted	0.00			
1112-000-20	Water	BNY 743850 FRCD 2016A DEBT SERVICE	Dreyfus Inst Treasury	MM Mutual Fund		Restricted	0.00			
							Subtotal	\$ -		
1001-000-20	Water	Cash on Hand				Unrestricted	\$ 300.00			
<u>HELD BY F&M BANK:</u>										
1011-000-10	FRCD	F&M 08-032009-01 CHECKING ACCOUNT				Unrestricted	Closed Out Account			
1011-000-20	Water	F&M 08-032017-01 OPERATING ACCOUNT				Unrestricted	4,057,093.98			
1084-000-20	Water	F&M 08-03201702-31 MONEY MARKET			0.25%	Unrestricted	100,930.28			
1031-000-20	Water	F&M 08-032912-01 CREDIT CARD ACCOUNT				Unrestricted	173,492.72			
1061-000-20	Water	F&M 08-032890-01 PAYROLL ACCOUNT				Unrestricted	347,482.80			
1071-000-20	Water	F&M 08-032920-01 DRAFTS ACCOUNT				Unrestricted	180,302.17			
							Subtotal	\$ 4,859,301.95		
<u>INVESTMENTS</u>										
1080-000-20	Water	Office of the Treasurer - Sacramento California	LAIF	Investment Pool	1.77%	Unrestricted	\$ 5,510,089.01			
1081-000-20	Water	CALTrust Medium Term		Investment	0.74%	Unrestricted	\$ 1,330,369.10			
1082-000-20	Water									
		<u>PURCHASE DATE</u>	<u>CUSIP</u>	<u>ISSUED BY</u>	<u>CALL DATE</u>	<u>MATURITY DATE</u>	<u>% of Portfolio</u>	<u>Current Yield</u>	<u>COST BASIS</u>	<u>MARKET VALUE</u>
		9/30/2016	N/A	US Bank	N/A	N/A	1.70%	3.63%	\$ 63,902.80	\$ 63,902.80
		11/19/2020	3135GA5H0	Federal Home Loan (FHLB)	07/10/20 - qrtly	11/25/2025	24.20%	0.650%	\$ 1,000,000.00	894,350.00
		7/31/2020	3133ELQ56	Federal Home Loan (FHLB)	11/25/20 - qrtly	7/2/2024	25.30%	0.610%	\$ 1,000,000.00	935,630.00
		7/29/2021	3133EMT36	Federal Home Loan (FHLB)	04/15/26- qrtly	4/26/2026	24.10%	0.970%	\$ 1,000,000.00	892,130.00
		7/31/2020	3136G4YP2	Federal Natl MTG ASSN	07/09/2021 - qrtly	7/9/2025	24.60%	0.790%	\$ 1,000,000.00	908,110.00
									\$ 4,063,902.80	\$ 3,694,122.80
							Total	\$ 15,394,182.86		
							Total Restricted	\$ -		
							Total Unrestricted	\$ 15,394,182.86		

YTM = Yield to Maturity
qtrly = quarterly
cont. = continuous

**CASH - Detail Schedule of Investments
As of 12/31/2022**

<u>G/L Account : Fund</u>	<u>Account number / name</u>	<u>Investment Name</u>	<u>Investment Type</u>		<u>Restrictions</u>	<u>Market Value</u>			
<u>HELD BY BOND TRUSTEE:</u>									
1110-000-20 Water	BNY 892744 FRCD 2014A DEBT SERVICE	Dreyfus Inst Treasury	MM Mutual Fund		Restricted	0.00			
1112-000-20 Water	BNY 743850 FRCD 2016A DEBT SERVICE	Dreyfus Inst Treasury	MM Mutual Fund		Restricted	0.00			
					Subtotal	\$ -			
1001-000-20 Water	Cash on Hand				Unrestricted	\$ 300.00			
<u>HELD BY F&M BANK:</u>									
1011-000-10 FRCD	F&M 08-032009-01 CHECKING ACCOUNT				Unrestricted	Closed Out Account			
1011-000-20 Water	F&M 08-032017-01 OPERATING ACCOUNT				Unrestricted	3,564,112.21			
1084-000-20 Water	F&M 08-03201702-31 MONEY MARKET			0.25%	Unrestricted	100,951.71			
1031-000-20 Water	F&M 08-032912-01 CREDIT CARD ACCOUNT				Unrestricted	408,026.98			
1061-000-20 Water	F&M 08-032890-01 PAYROLL ACCOUNT				Unrestricted	275,005.77			
1071-000-20 Water	F&M 08-032920-01 DRAFTS ACCOUNT				Unrestricted	307,141.46			
					Subtotal	\$ 4,655,238.13			
<u>INVESTMENTS</u>									
1080-000-20 Water	Office of the Treasurer - Sacramento California	LAIF	Investment Pool	2.01%	Unrestricted	\$ 5,510,089.01			
1081-000-20 Water	CALTrust Medium Term		Investment	0.83%	Unrestricted	\$ 1,334,407.22			
1082-000-20 Water									
	<u>PURCHASE DATE</u>	<u>CUSIP</u>	<u>ISSUED BY</u>	<u>CALL DATE</u>	<u>MATURITY DATE</u>	<u>% of Portfolio</u>	<u>Current Yield</u>	<u>COST BASIS</u>	<u>MARKET VALUE</u>
	9/30/2016	N/A	US Bank	N/A	N/A	1.70%	4.06%	\$ 64,081.35	\$ 64,081.35
	11/19/2020	3135GA5H0	Federal Home Loan (FHLB)	07/10/20 - qrtly	11/25/2025	24.20%	0.650%	\$ 1,000,000.00	894,340.00
	7/31/2020	3133ELQ56	Federal Home Loan (FHLB)	11/25/20 - qrtly	7/2/2024	25.40%	0.610%	\$ 1,000,000.00	937,730.00
	7/29/2021	3133EMT36	Federal Home Loan (FHLB)	04/15/26- qrtly	4/26/2026	24.10%	0.980%	\$ 1,000,000.00	891,510.00
	7/31/2020	3136G4YP2	Federal Natl MTG ASSN	07/09/2021 - qrtly	7/9/2025	24.60%	0.790%	\$ 1,000,000.00	908,460.00
								\$ 4,064,081.35	\$ 3,696,121.35
								Total	\$ 15,196,155.71
								Total Restricted	\$ -
								Total Unrestricted	\$ 15,196,155.71

YTM = Yield to Maturity
qtrly = quarterly
cont. = continuous

Consultant Expenses

As of 11/30/2022

Fiscal Retainer Contracts

	Description	Total Contract	Current Month	Paid to date	2022-2023 FY Budget	Percent of year (42%)
JRG Attorneys, LLP	Task orders	TBD	\$ 1,020	\$ 7,765		
Liebert Cassidy Whitmore	Task orders	TBD	\$ -	\$ 1,297		
Total			\$ 1,020	\$ 9,062	\$ 145,000	6.25%
Solutions by BG, Inc.	Task orders	792,676	\$ 20,562	\$ 107,281	\$ 255,840	41.93%

Major Contracts

Consultant	Description	Total Contract		Paid to date	2022-2023 FY Budget	Percent of Contract Amount
*Earl Consulting	PSA	\$ 78,000	\$ 1,080	\$ 73,489		94.22%
**MFDB Architects	PSA	\$ 205,270	\$ -	\$ 202,039		98.43%
A.P. Thomas (Construction)	PSA	\$ 2,554,565	\$ -	\$ 2,143,441		83.91%
		\$ 2,837,835	\$ 1,080	\$ 2,418,969		85.24%

*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.

Consultant Expenses

As of 12/31/2022

Fiscal Retainer Contracts

	Description	Total Contract	Current Month	Paid to date	2022-2023 FY Budget	Percent of year (50%)
JRG Attorneys, LLP	Task orders	TBD	\$ 2,026	\$ 9,791		
Liebert Cassidy Whitmore	Task orders	TBD	\$ -	\$ 1,297		
Total			\$ 2,026	\$ 11,088	\$ 145,000	7.65%
Solutions by BG, Inc.	Task orders	792,676	\$ 30,254	\$ 137,535	\$ 255,840	53.76%

Major Contracts

Consultant	Description	Total Contract	Paid to date	2022-2023 FY Budget	Percent of Contract
*Earl Consulting	PSA	\$ 78,000	\$ 1,238	\$ 74,727	95.80%
**MFDB Architects	PSA	\$ 205,270	\$ -	\$ 202,039	98.43%
A.P. Thomas (Construction)	PSA	\$ 2,554,565	\$ 317,687	\$ 2,461,128	96.34%
		\$ 2,837,835	\$ 318,925	\$ 2,737,894	96.48%

*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.

**Major Capital Improvement Project
Budget vs Actuals
As of 11/30/2022**

Capital Project	Total Project Budget	Total Project Exp to Date	Percent Spent	Capitalized Labor	Fund Type	Project Type	Nov		YTD % Spent	
							2022-23 Budget	Project Exp		Total YTD (1)
Locust/Summit Alley Water Main	635,000	-	0.00%	\$ -	R&R	Supply/Distribution	\$ 635,000	\$ -	\$ -	0.00%
2nd Ave Water Main	188,000	201,405	107.13%	100,458	R&R	Supply/Distribution	188,000	54,391	198,719	105.70%
Truman St/Adams St Water Main	129,000	93,775	72.69%	54,277	R&R	Supply/Distribution	129,000	-	93,775	72.69%
Elk Grove Blvd/Grove Street Alley Water Main	376,000	7,769	2.07%	7,269	R&R	Supply/Distribution	376,000	6,185	7,769	2.07%
Chlortech System Replacements	150,000	-	0.00%	-	R&R	Treatment	150,000	-	-	0.00%
Media Replacement - RRWTP Filter Vessel	90,000	-	0.00%	-	R&R	Treatment	90,000	-	-	0.00%
Backup IT Server Replacements	30,000	-	0.00%	-	R&R	Building and Site	30,000	-	-	0.00%
9829 Waterman Rd	3,238,028	2,679,499	82.75%	-	CIP	Building and Site	1,281,316	2,705	722,786	56.41%
Brinkman Transmission Main	50,000	-	0.00%	-	CIP	Supply/Distribution	50,000	-	-	0.00%
Service Line Replacements (Paving)	85,000	83,932	98.74%	-	CIP	Supply/Distribution	85,000	-	83,932	98.74%
Truck Replacement	65,337	-	0.00%	-	CIP	Equipment	65,337	-	-	0.00%
Unforeseen Capital Projects	100,000	4,337	4.34%	-	-	-	100,000	-	4,337	4.34%
Sub-Total	\$ 5,136,365	\$ 3,070,718	59.78%	\$ 162,005			\$ 3,179,653	\$ 63,281	\$ 1,111,319	34.95%

(1) Includes \$162,005 in capitalized labor through 11/30/2022

(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
Total	\$ 4,337

**Major Capital Improvement Project
Budget vs Actuals
As of 12/31/2022**

Capital Project	Total Project Budget	Total Project Exp to Date	Percent Spent	Capitalized Labor	Fund Type	Project Type	Dec		Total YTD (1)	YTD % Spent
							2022-23 Budget	Project Exp		
Locust/Summit Alley Water Main	635,000	15,515	2.44%	\$ 15,455	R&R	Supply/Distribution	\$ 635,000	\$ 15,515	\$ 15,515	2.44%
2nd Ave Water Main	188,000	222,005	118.09%	100,458	R&R	Supply/Distribution	188,000	12,342	211,061	112.27%
Truman St/Adams St Water Main	129,000	93,775	72.69%	54,277	R&R	Supply/Distribution	129,000	-	93,775	72.69%
Elk Grove Blvd/Grove Street Alley Water Main	376,000	16,699	4.44%	7,393	R&R	Supply/Distribution	376,000	8,929	16,699	4.44%
Chlortech System Replacements	150,000	-	0.00%	-	R&R	Treatment	150,000	-	-	0.00%
Media Replacement - RRWTP Filter Vessel	90,000	-	0.00%	-	R&R	Treatment	90,000	-	-	0.00%
Backup IT Server Replacements	30,000	-	0.00%	-	R&R	Building and Site	30,000	-	-	0.00%
9829 Waterman Rd	3,238,028	2,999,674	92.64%	-	CIP	Building and Site	1,281,316	320,175	1,042,961	81.40%
Brinkman Transmission Main	50,000	-	0.00%	-	CIP	Supply/Distribution	50,000	-	-	0.00%
Service Line Replacements (Paving)	85,000	83,932	98.74%	-	CIP	Supply/Distribution	85,000	-	83,932	98.74%
Truck Replacement	65,337	-	0.00%	-	CIP	Building and Site	65,337	-	-	0.00%
Unforeseen Capital Projects	100,000	14,337	14.34%	-	-	-	100,000	10,000	14,337	14.34%
Sub-Total	\$ 5,136,365	\$ 3,445,937	67.09%	\$ 177,583			\$ 3,179,653	\$ 366,962	\$ 1,478,280	46.49%

(1) Includes \$177,583 in capitalized labor through 12/31/2022

(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	<u>10,000</u>
Total	\$ 14,337

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Board Treasurer

SUBJECT: **2024-2028 WATER RATE AND CONNECTION FEE STUDY FINANCIAL PLAN**

RECOMMENDATION

This item is presented for discussion and direction from the Florin Resource Conservation District Board of Directors.

SUMMARY

The Florin Resource Conservation District (District) has retained the consulting firm Raftelis to complete the 2024-2028 Water Rate and Connection Fee Study for the Elk Grove Water District. Part of conducting a water rate study is completing a 10-year financial plan to determine the revenue rate increases required to ensure appropriate funding levels to cover operating, capital and debt service costs. Raftelis has completed the financial plan and will be presenting the first draft of the financial plan to the District Board of Directors (Board) for discussion and direction.

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, debt service and capital expenses 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.

Present Situation

Raftelis has completed the first draft of the financial plan and has prepared a PowerPoint presentation (attached) to walk the Board through the expense escalation assumptions and revenue requirements to meet the funding needs to cover operating, capital and debt service costs.

January 17, 2023

2024-2028 WATER RATE AND CONNECTION FEE STUDY FINANCIAL PLAN

Page 2

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.

FINANCIAL SUMMARY

There is no direct financial impact associated with this item.

Respectfully submitted,



PATRICK LEE
FINANCE MANAGER/TREASURER

Attachment

Florin Resource Conservation District – Elk Grove Water District

Water Rate Study

CAC and Board Meetings - January 17, 2023



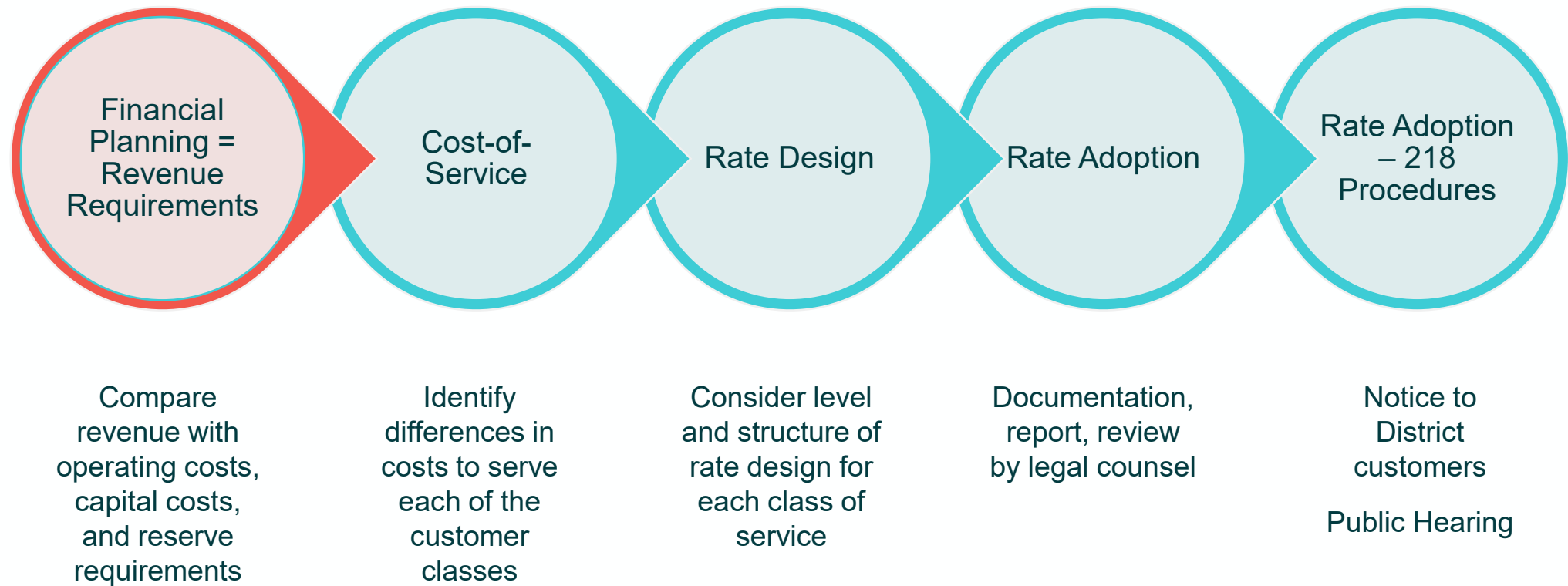
Agenda

1. Where We Are In Rate Setting Process
2. Financial Plan Overview
3. Advise on Financial Plan Scenarios and Preferred Path Forward

Where We Are In Rate Setting Process



Key Steps in Conducting a Rate Study



Financial Plan vs. Cost of Service

Financial Plan

- Determines the TOTAL amount of revenue required from rates each year (i.e., how large of a pie do we need?)

Cost of Service

- Determines how the overall rate revenue requirement is allocated to various customer classes (i.e., how do we slice the pie?)

Financial Plan Overview



Elk Grove Water District Overview

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	151.2
NUMBER OF BOOSTER PUMPS	10
NUMBER OF ACTIVE SERVICE CONNECTIONS	13,052
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	1,668
EGWD SERVICE AREA POPULATION	46,991

Groundwater Wells	60%
Sacramento County Water Agency	40%

**Source: FY 2022-23 Adopted Budget*

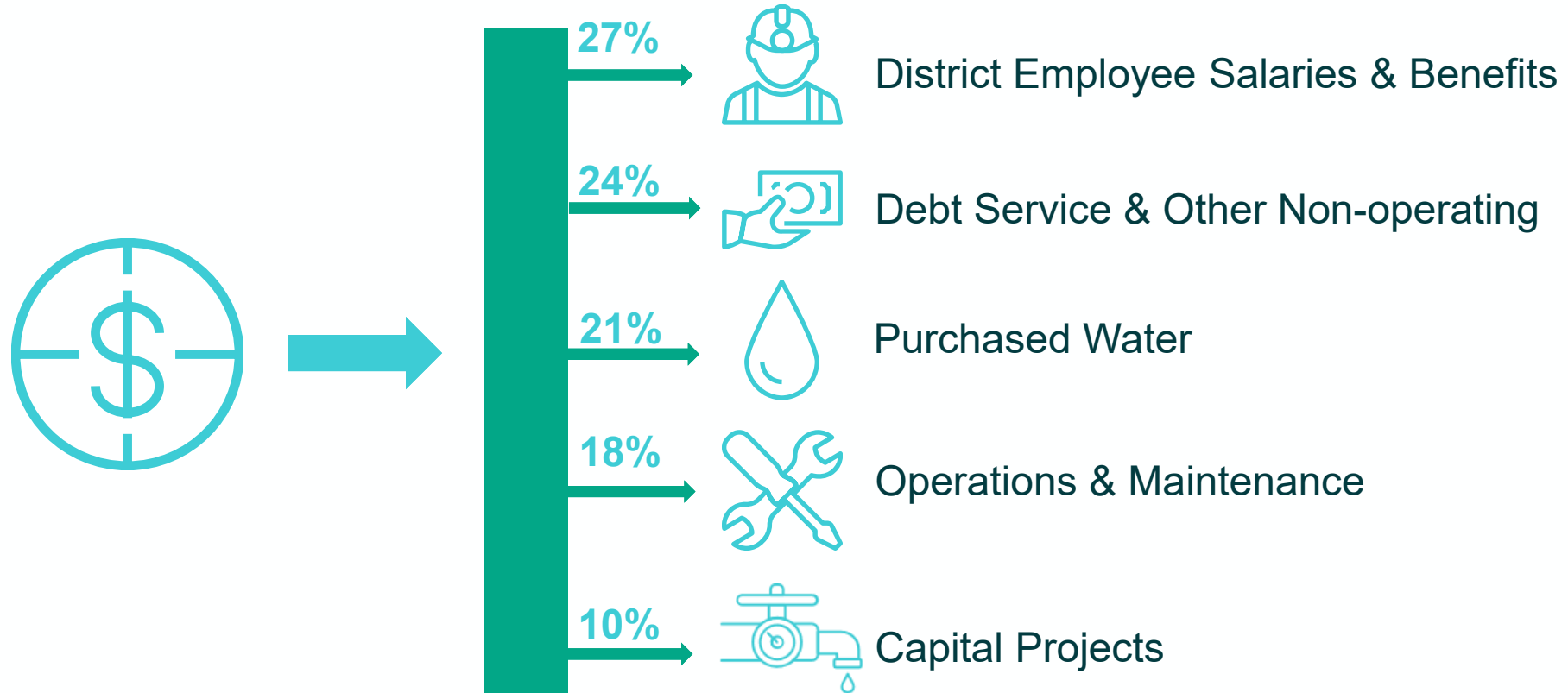
Level of Service Goals

- Continue to fund operations and capital projects on a pay-as-you-go basis while building up reserves for future large capital projects to avoid issuing any additional debt
- Enhance water conservation efforts
- Continue to meet water quality regulations
- Enhance communication with customers
- Timely replacement of aging infrastructure to maintain sufficient capacity to meet water demand and fire protection.

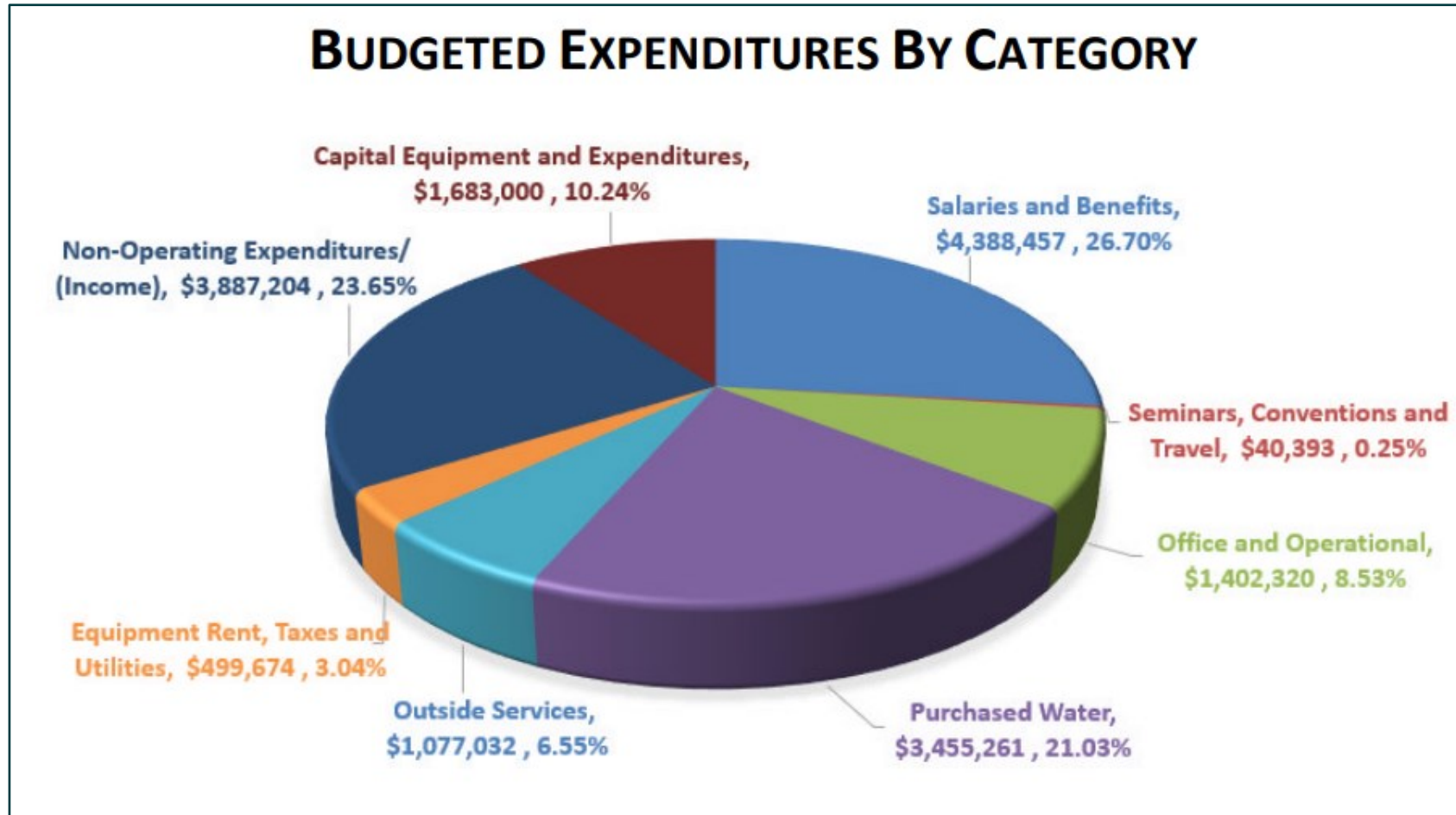
Financial Plan Approach

- Develop an Excel model to project revenues and expenses over a 10-year period
- Use the model to evaluate the overall revenue adjustments needed each year to:
 - › Sufficiently fund operating expenses, debt service, and capital expenditures
 - › Maintain adequate cash reserves
 - › Meet debt coverage requirements

All Revenues Go to Operations, Improvement, and Growth of the Water System



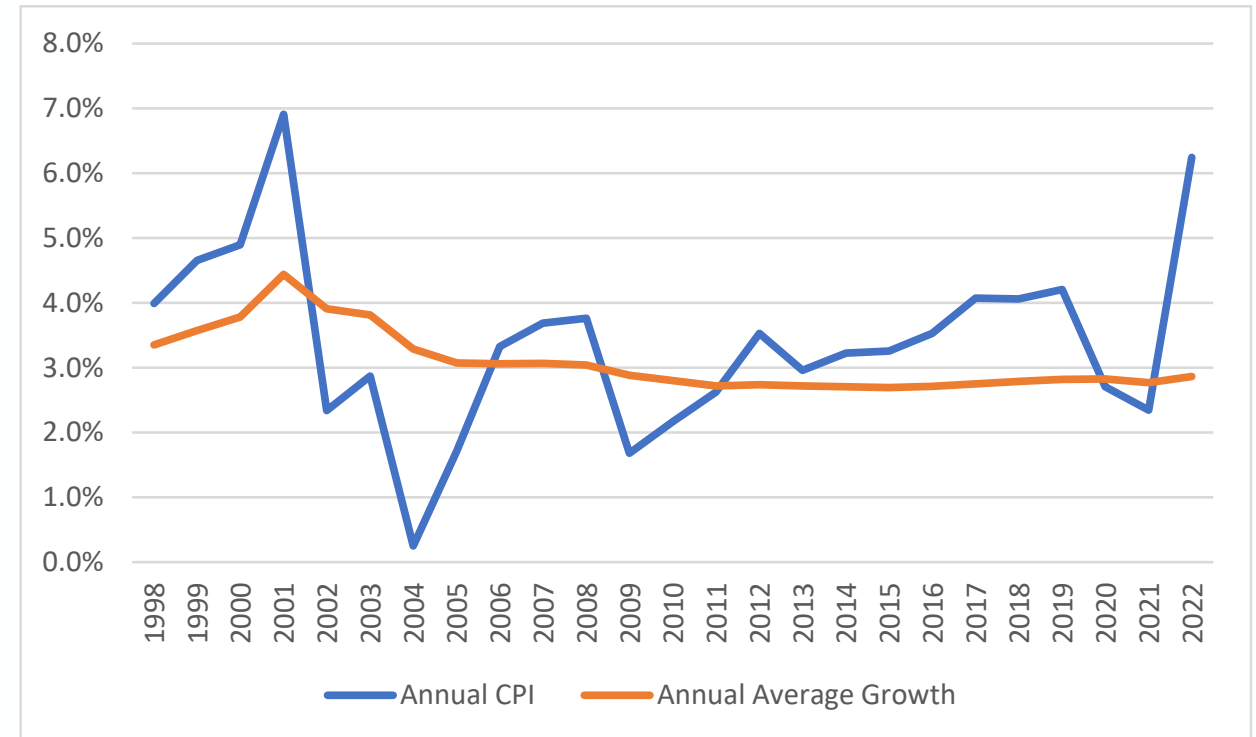
FY 2022-23 Budgeted Expenses:



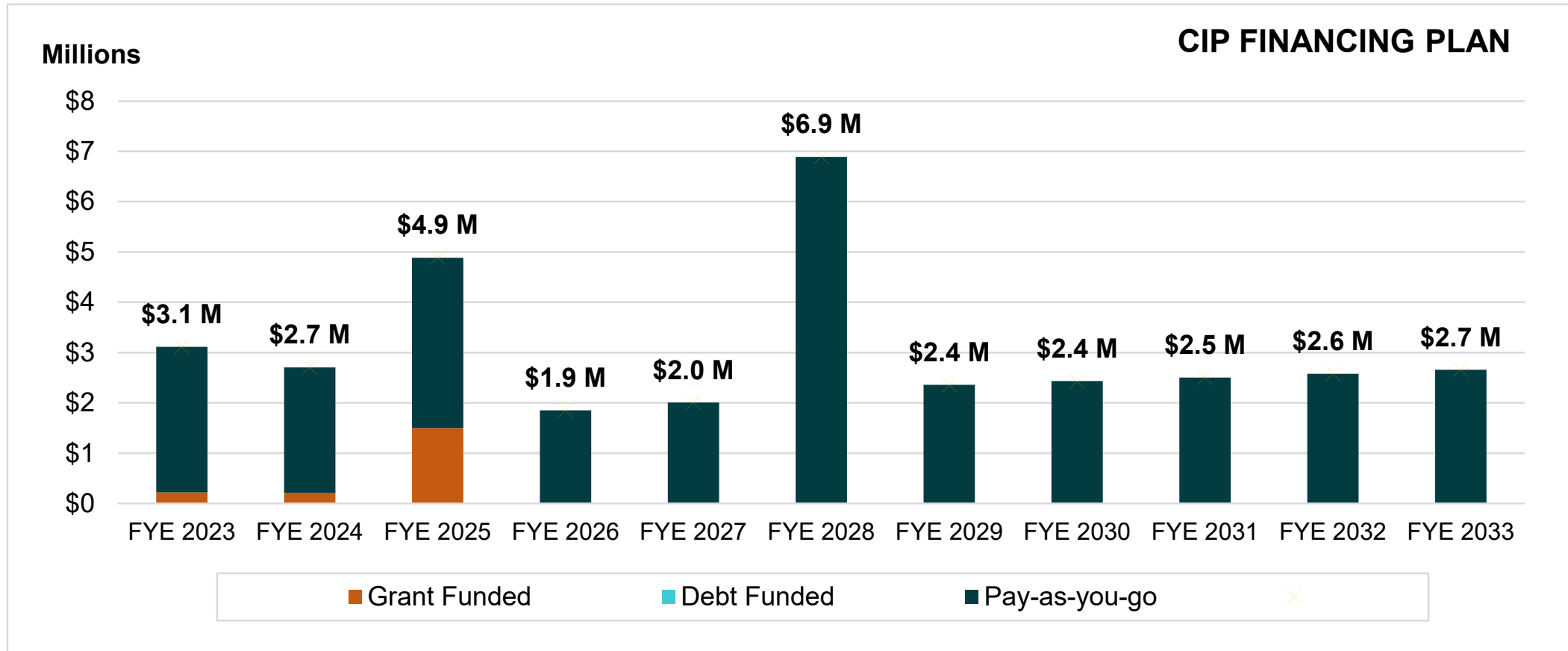
*Source: FY 2022-23 Adopted Budget; Note: Non-Operating Expenditures are primarily debt service payments on outstanding bonds

Operating Expense Assumptions

- Operating expense projections:
 - › FY 2022-23: equal to the adopted budget
 - › FY 2023-24: 5% inflation
 - › FY 2024-25: 4% inflation
 - › FY 2025-26 onwards:
3% inflation each year



Capital Improvement Program (CIP)



FYE 2025 includes AMI project that is anticipated to be 50% grant funded.

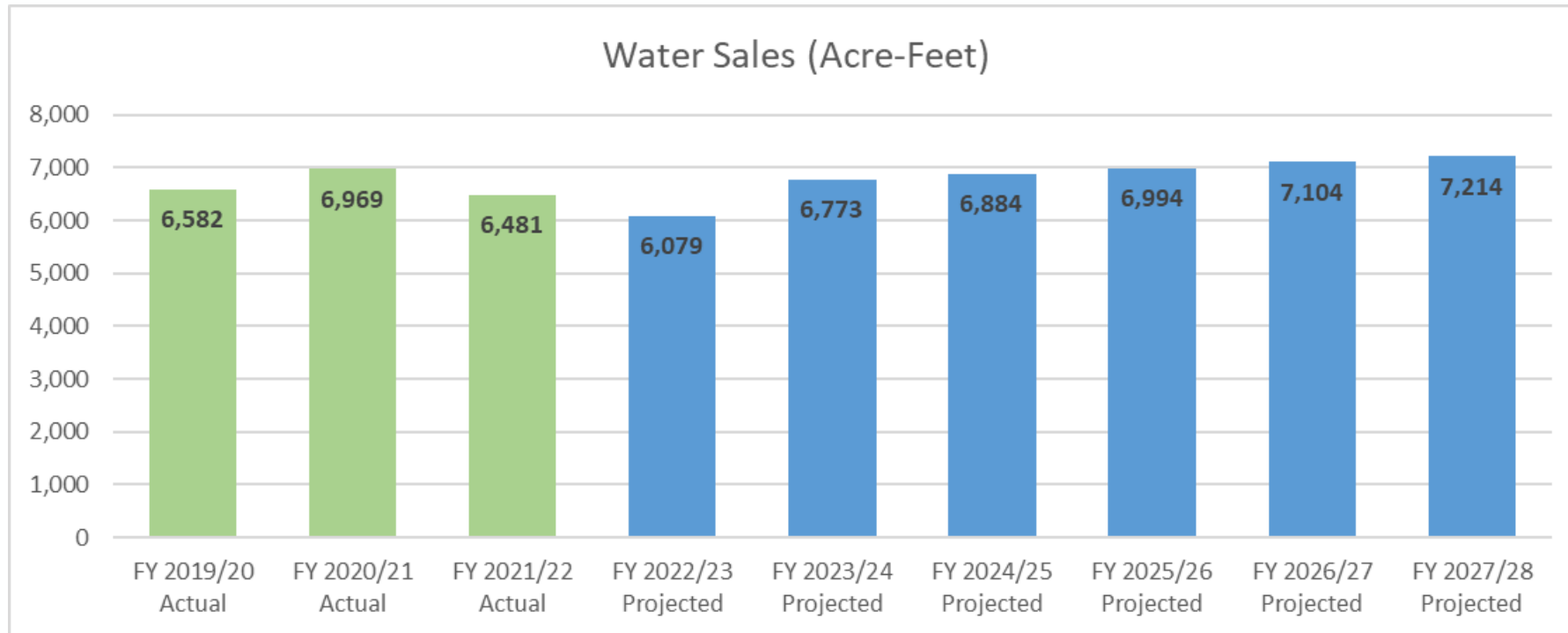
FYE 2028 includes a well replacement project.

CIP – How it helps meet Level of Service

- Advanced Metering Infrastructure (AMI): will enable targeted water conservation efforts to comply with new water use standards and alert customers of leaks based on real-time data.
- Regular upgrade and acquisition of new treatment equipment and facilities to ensure water quality compliance.
- ERP System Update: Allows staff and customers to communicate more efficiently. For example, through real time notifications of water leaks and emergency notifications. Facilitates customer service, billing inquiries and payment options.
- New Well: replaces an aging well to ensure the District maintains sufficient capacity for water demand and fire protection

Water Demand Assumptions

- Water demand projections provided by District staff:



Additional Revenue Assumptions

- Non-rate revenue assumptions:
 - › Interest earnings on cash reserves based on assumed 0.75% interest rate
 - › All other miscellaneous revenues
 - FY 2022-23: equal to adopted budget
 - All future years: 0% escalation

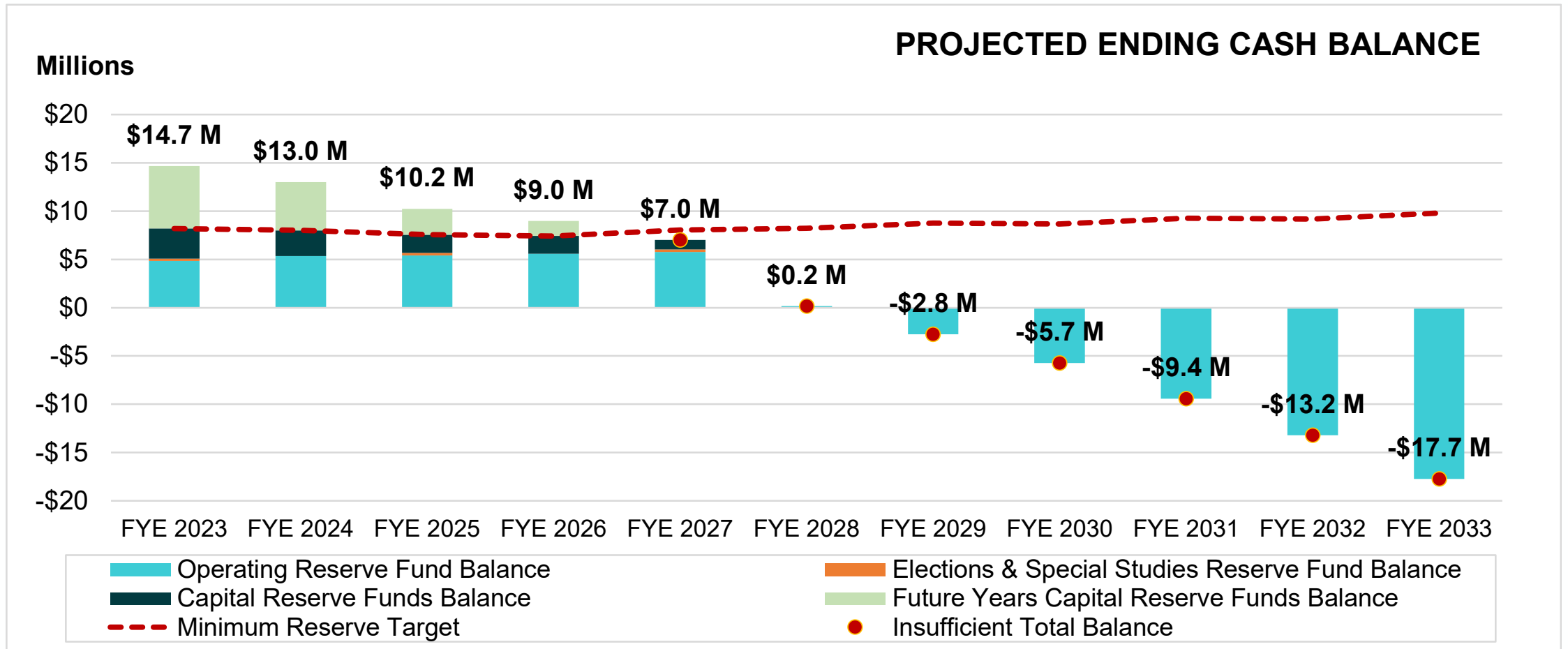
Financial Policies

- Reserve Targets:
 - › Operating Reserve: 120 days of O&M expenses
 - › Capital Reserve: annual CIP expenditures
 - › Elections & Special Studies Reserve: annual election costs
 - › Future Years Capital Reserve: All excess unrestricted reserves
- Required Debt Service Coverage ($\text{Net Revenues} \div \text{Annual Debt Service}$):
 - › 1.15 per the existing bond indenture

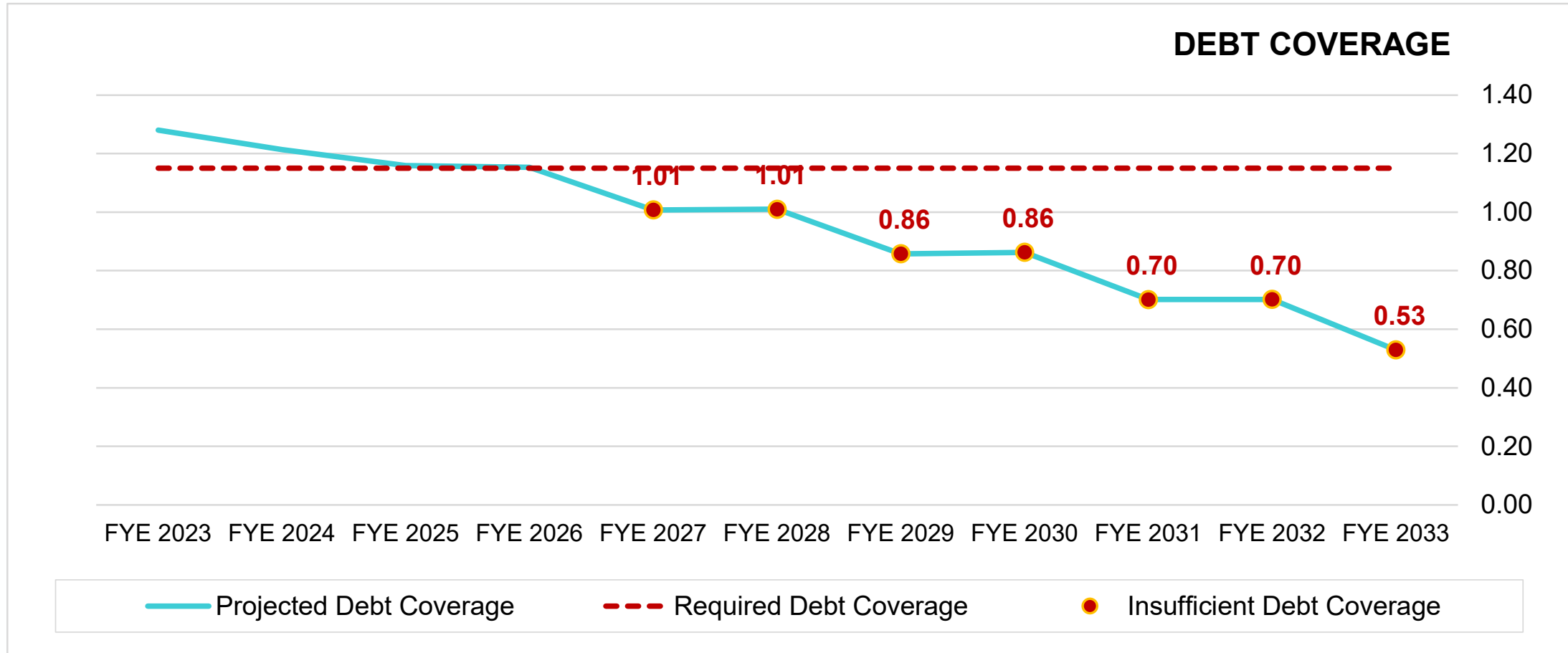
Preliminary Financial Plan Scenarios



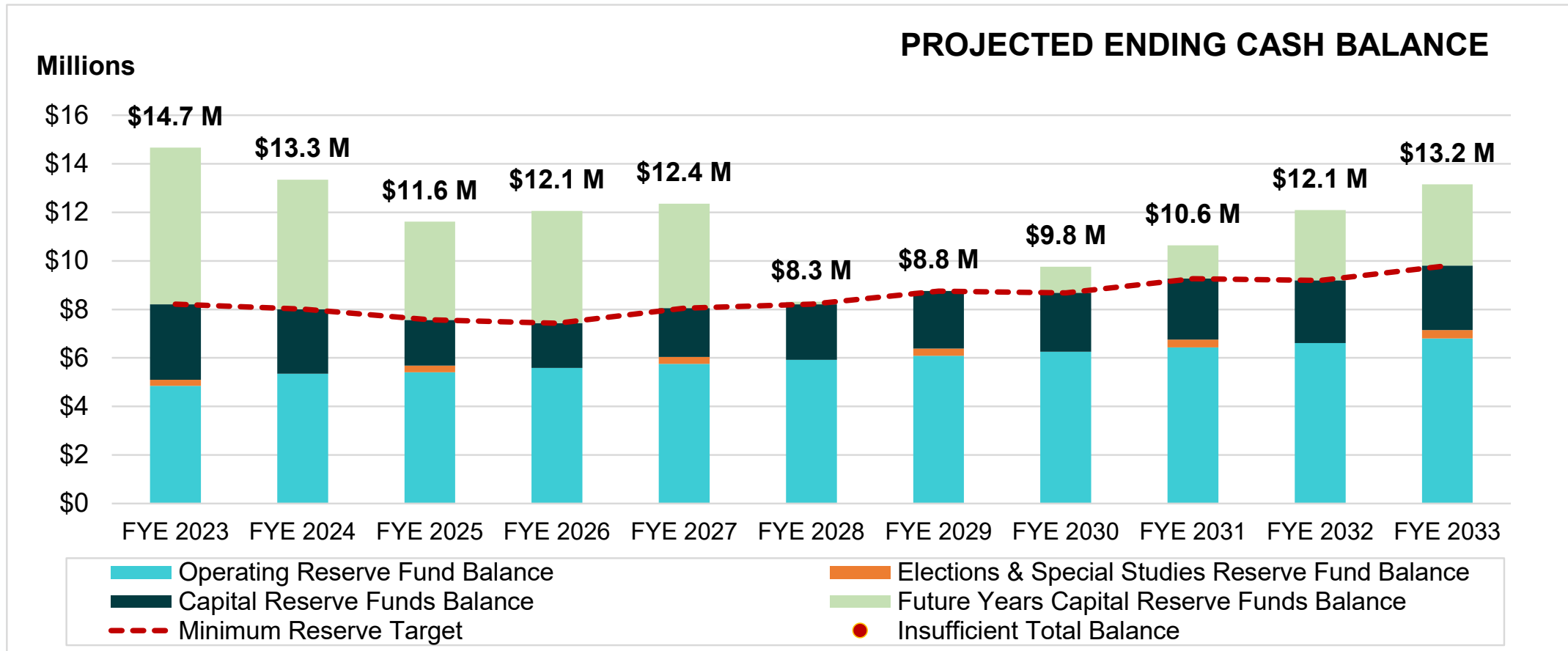
Scenario 1: No Revenue Adjustment



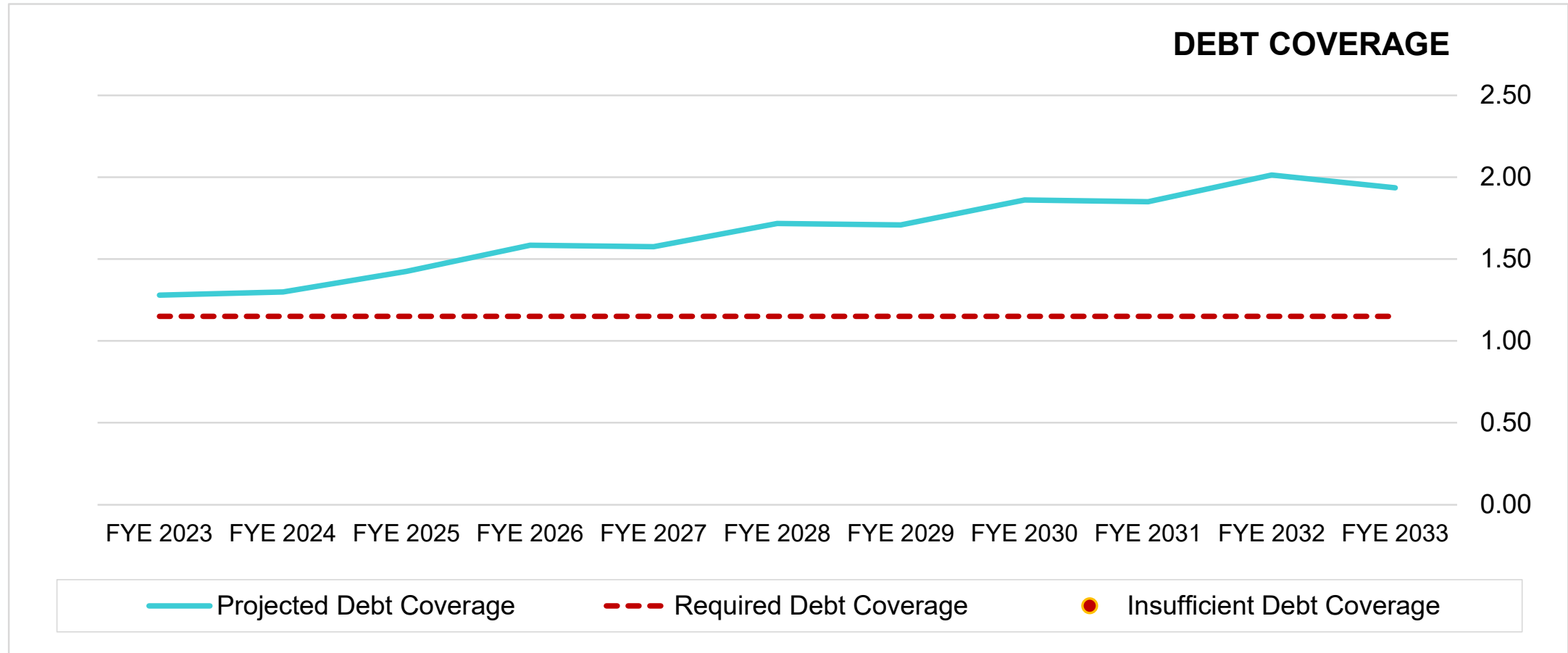
Scenario 1: No Revenue Adjustment



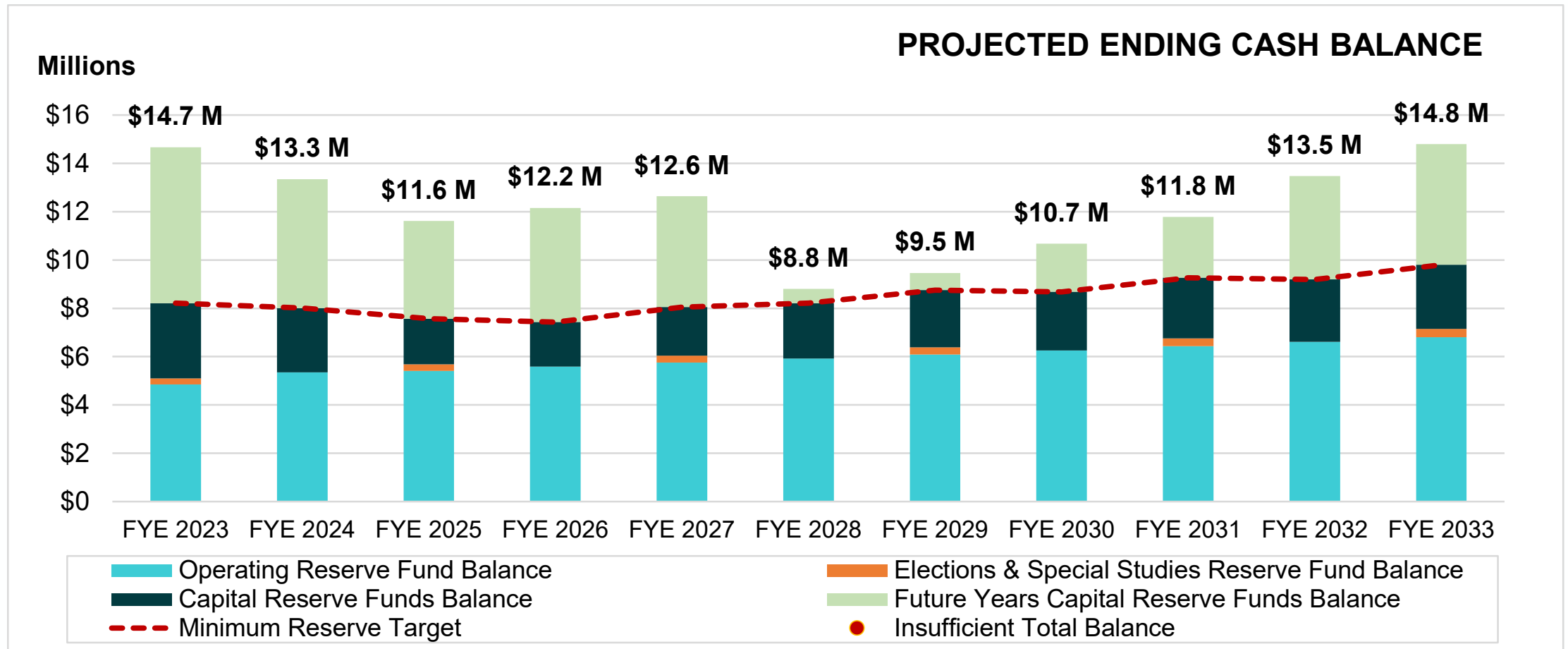
Scenario 2: 4%, 4%, 3%, 2.5%, 2.5%/yr Annual Revenue Adjustment



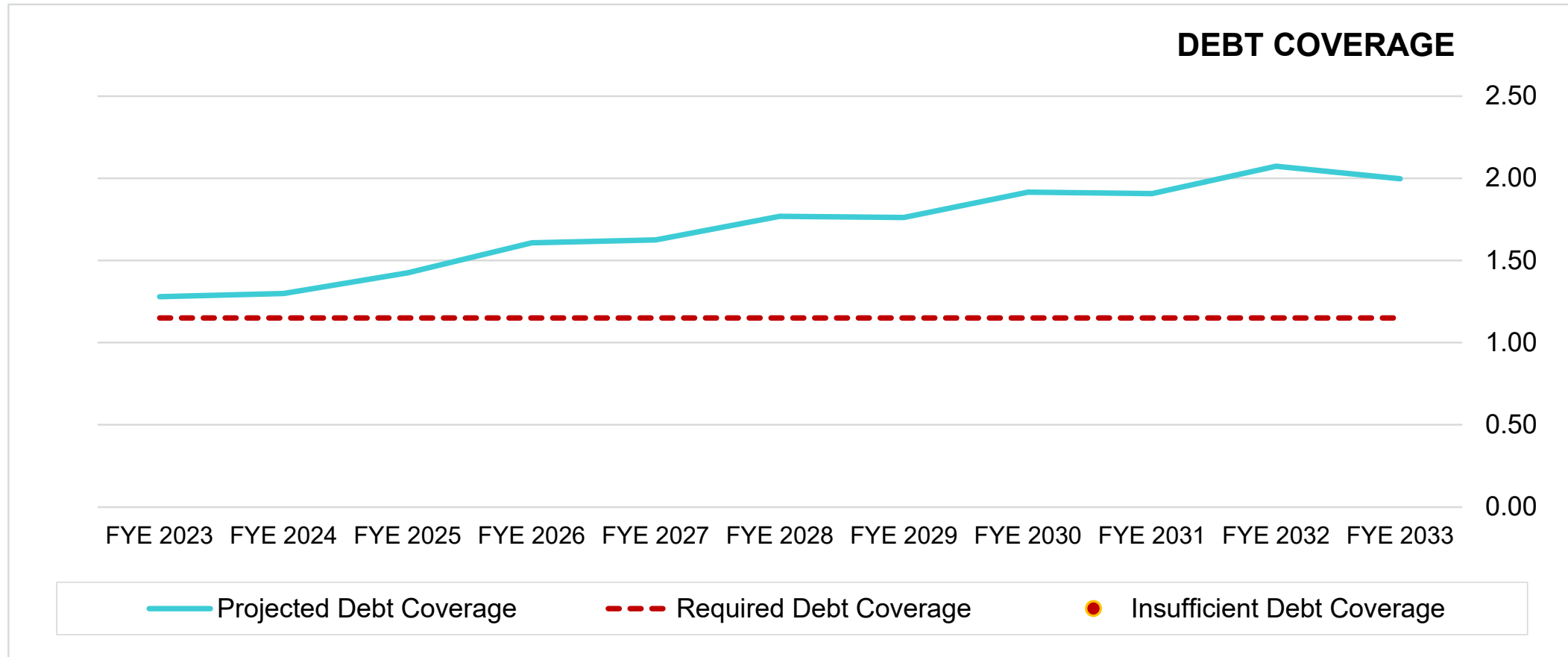
Scenario 2: 4%, 4%, 3%, 2.5%, 2.5%/yr Annual Revenue Adjustment



Scenario 3: 4%, 4%, 4%, 2.5%, 2.5%/yr Annual Revenue Adjustment



Scenario 3: 4%, 4%, 4%, 2.5%, 2.5%/yr Annual Revenue Adjustment



Financial Plan Scenario Discussion



Next Steps

- Using the selected financial plan, complete preliminary cost-of-service analysis and rate calculations
- Interim check-in calls with staff to review cost-of-service and rates
- Next Board/CAC presentation in March on recommended rates

Thank you!

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT ELECTION OF OFFICERS - 2023**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors elect a Chair and Vice-Chair for the 2023 calendar year.

SUMMARY

Each year, the Florin Resource Conservation District (FRCD) Board of Directors (Board) elect a Chair and Vice-Chair to serve as officers of the Board for a period of one (1) year or until successors are elected.

By this action, the Board shall elect a Chair and Vice-Chair for the 2023 calendar year.

DISCUSSION

Background

The Board By-laws state the Chair and Vice-Chair shall be elected at the regular board meeting in January. The term of office in each case shall begin upon election and shall continue for a period of one (1) year or until successors are elected.

Present Situation

Director Sophia Scherman currently serves as Chair and Director Tom Nelson serves as Vice-Chair.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

January 17, 2023

FLORIN RESOURCE CONSERVATION DISTRICT ELECTION OF OFFICERS - 2023

Page 2

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2020-2025 Strategic Plan. The officers of the FRCD Board of Directors provide guidance and oversight, which aligns with Strategic Plan Goal one (1) Governance and Customer Engagement.

FINANCIAL SUMMARY

There is no financial impact associated with this agenda item.

Respectfully submitted,



STEFANI PHILLIPS
BOARD SECRETARY

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT COMMITTEE APPOINTMENTS AND OUTSIDE AGENCY REPRESENTATION - 2023**
2022

RECOMMENDATION

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

1. Appoint Directors to sit on the Conservation and Infrastructure Committees of the Florin Resource Conservation District; and
2. Appoint Representatives for outside agency participation.

SUMMARY

Every January, the Florin Resource Conservation District (FRCD) Board of Directors (Board) appoints Directors to sit on previously established standing board committees. Appointments of representation for outside agency participation also takes place at this time.

By this action, the Board, will 1) appoint Directors to sit on the Conservation and Infrastructure Committees of the FRCD; and 2) appoint representatives for outside agency participation.

DISCUSSION

Background

The FRCD Board Bylaws state that the Board shall have the power to create and appoint members to Advisory and Standing Committees. Any committee, to the extent provided in the Board motion, shall only have the authority delegated by the Board and may not bind the District regarding matters that should be before the Board.

Present Situation

Currently, the established standing committees are Conservation and Infrastructure.

**FLORIN RESOURCE CONSERVATION DISTRICT COMMITTEE APPOINTMENTS AND
OUTSIDE AGENCY REPRESENTATION - 2023**

Page 2

The Standing committees are comprised of the following Board of Directors:

Conservation Committee – FRCD:	Tom Nelson Elliot Mulberg
Infrastructure Committee – EGWD:	Lisa Medina Paul Lindsay

Directors and/or staff provide outside agency representation to the following organizations: Association of California Water Agencies/Joint Power Insurance Authority (ACWA/JPIA), California Special Districts Association (CSDA), Sacramento Local Agency Formation Commission (LAFCO), Regional Water Authority (RWA), and Sacramento Central Groundwater Authority (SCGA).

Outside agency representation is as follows:

ACWA/JPIA – Representative of EGWD	Sophia Scherman Bruce Kamilos (alternate)
California Special District Association (CSDA)	Elliot Mulberg
Regional Water Authority (RWA) Board of Directors Alternate:	Sophia Scherman Bruce Kamilos
Sacramento Central Groundwater Authority (SCGA)	Bruce Kamilos Tom Nelson (alternate)

The SCGA representation assignments are made by nomination only and appointments shall be made by the Elk Grove City Council as per the SCGA Joint Powers Agreement. It is recommended that the Board review these agency assignments and make modifications as deemed appropriate.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

January 17, 2023

**FLORIN RESOURCE CONSERVATION DISTRICT COMMITTEE APPOINTMENTS AND
OUTSIDE AGENCY REPRESENTATION - 2023**

Page 3

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2020-2025 Strategic Plan. Committee Appointments and Outside Agency Representation aligns with Strategic Goal 7 – Water Industry Leader; “Demonstrate water industry leadership through partnerships and active participation in regional and statewide water efforts”.

FINANCIAL SUMMARY

There is no financial impact associated with this agenda item.

Respectfully submitted,



STEFANI PHILLIPS
BOARD SECRETARY

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary

SUBJECT: **SACRAMENTO LOCAL AGENCY FORMATION COMMISSION SPECIAL DISTRICT ADVISORY COMMITTEE MEMBER NOMINATIONS**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors nominate a member of the Board to join Sacramento Local Agency Formation Commission Special District Advisory Committee.

SUMMARY

Sacramento Local Agency Formation Commission (LAFCo) is soliciting nominations for members to serve on the Special District Advisory Committee (SDAC). There are seven (7) vacant seats for Office B for two-year terms (1/23 – 12/24). Office A has three (3) vacant seats, with the remaining term (1/22 – 12/23). The deadline for nominations is Friday, February 15, 2023.

DISCUSSION

Background

Local Agency Formation Commissions (LAFCo) were established in 1963 by the State of California and are charged with ensuring that local government organizations adhere to established policies and procedures regarding annexations, organizations, and other changes.

LAFCo has seven (7) Commissioners and seven (7) Alternates serving staggered four (4) year terms. Both the Commissioners and Alternates include two (2) members from city councils in the Sacramento County region, who are appointed by a committee of mayors from each city in Sacramento County; two (2) Sacramento County Supervisors, who are appointed by the Sacramento County Board of Supervisors; two (2) members from Special Districts, who are elected by a vote of the Special Districts; and one (1) public member.

The SDAC membership of seventeen is composed of the two (2) LAFCo Special District Commissioners, and the Alternate Special District Commissioner, and representatives from recreation and park, fire, water, flood control, cemetery, and other types of special districts. SDAC members serve two (2) year terms without compensation.

January 17, 2023

**SACRAMENTO LOCAL AGENCY FORMATION COMMISSION SPECIAL DISTRICT
ADVISORY COMMITTEE MEMBER NOMINATIONS**

Page 2

Present Situation

LAFCo is soliciting nominations for members to serve on SDAC. There is seven (7) vacant seats for Office B for two-year terms (1/23 – 12/24). There is three (3) vacant seats in Office A for the remaining term (1/22 – 12/23).

SDAC meetings are held quarterly on the fifth Tuesday, or as needed. SDAC is currently meeting at 7:00PM virtually and soon there will be discussions of returning to in-person meetings, beginning with the meeting on January 31, 2023.

Members to SDAC will be selected by the SDAC Sub-committee on Membership from the pool of nominees provided by the Special Districts, subject to confirmation by the commission. The deadline for SDAC nominations is Friday, February 15, 2023.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item conforms with Strategic Goal No. 1, Governance and Customer Engagement, of the Strategic Plan 2020-2025.

FINANCIAL SUMMARY

There is no financial impact associated with this item at this time.

Respectfully submitted,


STEFANI PHILLIPS,
BOARD SECRETARY

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Treasurer

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY OPERATING BUDGET STATUS REPORT**

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

Staff is presenting the quarterly budget status report through the second quarter of Fiscal Year (FY) 2022-23. This report is to keep the Florin Resource Conservation District (District) Board of Directors (Board) and the public informed on the financial status of the Elk Grove Water District (EGWD).

DISCUSSION

Background

On June 21, 2022, the Board approved the District's FY 2022-23 Operating Budget and the District's FY 2023-27 Capital Improvement Program (CIP) that included an appropriation of \$16.433 million in expenses, including \$1.683 million in unrestricted funds to the FY 2022-23 CIP.

At the August 16, 2022 regular Board meeting, the Board amended the FY 2022-23 District Operating Budget and the District FY 2023-2027 CIP by increasing the appropriation to capital reserves by \$1.431 million, resulting in total expenditures of \$17.865 million, including appropriations of \$3.114 million to the FY 2022-23 CIP.

At the November 15, 2022 regular Board meeting, the Board amended the FY 2022-23 District Operating Budget and the District FY 2023-2027 CIP by increasing the appropriation to capital reserves by \$65,337, resulting in total expenditures of \$17.888 million, including appropriations of \$3.180 million to the FY 2022-23 CIP.

Present Situation

The Board elected not to have a regular board meeting in December 2022, therefore the year-to-date revenue and expenses for the month of November 2022 was not presented for review. Staff has provided the summary of the EGWD's financial status for the month of November (Attachment 1).

ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY OPERATING BUDGET STATUS REPORT

Page 2

A summary of the EGWD's financial status as of December 31, 2022 (Attachment 2) is provided with this report and a detailed analysis of the changes in each revenue and expenditure category is as follows:

Revenues collected through the second quarter of the fiscal year total \$8,599,492 which is 54.18% of the \$15,873,385 annual budget. The revenues are \$80,629 or 0.93% 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 as a result of conservation efforts.

Total Operational Expenses were \$5,278,166 through the second quarter, which is 48.59% of the annual budget of \$10,863,138. The actual operating expenses were \$326,227 or 6.59% above the same quarter of the prior fiscal year as follows:

Personnel expenditures through the second quarter total \$2,078,893 which is 47.37% of the \$4,388,458 annual budget. The actual expenses were \$188,738 or 9.99% above the same period of the prior fiscal year. The increase is due mainly to COLA's, promotions, and new hires offset by the increase in capitalized labor through the second quarter.

Seminars, Conventions and Travel expenditures total \$12,412, which is 30.73% of the annual budget of \$40,393. The actual expenses were \$6,298 or 103.01% above the same period of the prior fiscal year due mainly to the resumption of in-person conferences and seminars and travel to these conferences.

Office and Operational expenditures total \$699,070, which is 49.85% of the annual budget of \$1,402,320. The actual expenses were \$27,551 or 4.10% above the same period of the prior fiscal year due mainly to an increase in insurance premiums and the buildup of materials inventory due to supply chain issues offset by the decrease in equipment repairs and the purchase of software for water modeling in FY 2022.

Estimated Purchased Water costs total \$1,770,421, which is 51.24% of the annual budget of \$3,455,261. The actual expenses were \$29,707 or 1.71% above the same period of the prior fiscal year. The increase is due mainly to a 1.20% rate increase for purchased water.

Outside Services expenditures total \$399,370, which is 37.08% of the annual budget of \$1,077,032. The actual expenses were \$46,623 or 11.32% above the same period of the prior fiscal year. The increase is due mainly to an increase in banking fees related to an increase in customers paying their bills via credit card, an increase in contracted services costs related to the District's Water Rate Study, system refresh of the Asset Management Program, a Compensation Study and an increase in security costs related to monitoring at the new District administration building and the Railroad Water Treatment Plant.

**ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY OPERATING
BUDGET STATUS REPORT**

Page 3

Equipment Rent, Taxes and Utilities expenditures total \$318,000, which is 63.64% of the annual budget of \$499,674. The actual expenses were \$33,310 or 11.70% above the same period of the prior fiscal year. The increase is due mainly to electricity cost related to increase water pumping and production during the summer months, offset by a decrease in occupancy costs since the District is no longer leasing back the 9257 Elk Grove Blvd. property.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2020-2025 Strategic Plan. Development and adoption of annual budgets that are balanced through cost saving measures or transfers from operating reserves is specifically identified as an objective in the Fiscal Responsibility section of the Strategic Plan.

FINANCIAL SUMMARY

This report is provided to the Board for information only. There is no financial impact associated with this item at this time. Staff has provided a copy of the December 31, 2022 Quarterly Budget Review (Attachment 3) for the second quarter. The Quarterly Budget Review includes the line-item detail for the expenditure categories for the quarter-to-date in FY 2022-23, as well as the detail for last year's quarter-to-date.

Respectfully submitted,



PATRICK LEE
FINANCE MANAGER/TREASURER

Attachments

Attachment 1

Elk Grove Water District
Year to Date Revenues and Expenses Compared to Budget
As of 11/30/2022

	General Ledger Reference	YTD Activity	Annual Budget	5/12=41.67% % Realized
Revenues	4100 - 4900	\$ 7,450,723	\$ 15,873,385	46.94%
Operating Expenses				
Salaries & Benefits	5100 - 5280	1,922,707	4,847,546	39.66%
less Capitalized Labor		(162,005)	(459,089)	35.29%
Less CalPERS Prepayment for Remainder of Year: (1)		(4,660)		
Adjusted Salaries and Benefits:		\$ 1,756,042	\$ 4,388,457	40.02%
Seminars, Conventions and Travel	5300 - 5350	11,013	40,393	27.26%
Office & Operational	5410 - 5494	625,964	1,402,320	44.64%
Purchased Water est. (1)	5495 - 5495	1,550,787	3,455,261	44.88%
Outside Services	5505 - 5580	303,875	1,077,032	28.21%
Equipment Rent, Taxes, Utilities	5620 - 5760	286,047	499,674	57.25%
Total Operational Expenses		\$ 4,533,727	\$ 10,863,137	41.73%
Net Operating Income		\$ 2,916,996	\$ 5,010,248	58.22%
Non-Operating Revenues				
Interest Received	9910 - 9910	21,811	25,000	87.24%
Unrealized Gains/(Losses)	9911 - 9911	(21,979)	-	100.00%
Other Income/(Expense)	9920 - 9973	98,580	263,105	37.47%
Total Non-Operating Revenues		\$ 98,412	\$ 288,105	34.16%
Non-Operating Expenses				
Election Costs	9950 - 9950	-	250,000	0.00%
Capital Expenses (2):				
Capital Improvements	1705 - 1760	806,718	1,481,653	54.45%
Capital Replacements	1705 - 1760	300,264	1,598,000	18.79%
Unforeseen Capital Projects	1705 - 1760	4,337	100,000	4.34%
Total Capital Expenses:		\$ 1,111,319	\$ 3,179,653	34.95%
Bond Interest Accrued (3)	7300 - 7300	551,335	1,323,204	41.67%
Total Non Operating Expenses		\$ 1,662,654	\$ 4,752,857	34.98%
Bond Retirement (3):		\$ 1,066,667	\$ 2,560,000	41.67%
Total Expenditures		7,164,635	17,887,889	40.05%
Revenues in Excess of All Expenditures, including Capital		\$ 286,088	\$ (2,014,504)	-14.20%

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 \$162,005 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 November 30, 2022 is \$330,528.11

Attachment 2

Elk Grove Water District
Year to Date Revenues and Expenses Compared to Budget
As of December 31, 2022

	General Ledger Reference	YTD Activity	Annual Budget	6/12=50.0% % Realized
Revenues	4100 - 4900	\$ 8,599,492	\$ 15,873,385	54.18%
Operating Expenses				
Salaries & Benefits	5100 - 5280	2,260,471	4,847,546	46.63%
less Capitalized Labor		(177,583)	(459,089)	38.68%
Less CalPERS Prepayment for Remainder of Year: (1)		(3,995)		
Adjusted Salaries and Benefits:		\$ 2,078,894	\$ 4,388,457	47.37%
Seminars, Conventions and Travel	5300 - 5350	12,412	40,393	30.73%
Office & Operational	5410 - 5494	699,070	1,402,320	49.85%
Purchased Water est. (1)	5495 - 5495	1,770,421	3,455,261	51.24%
Outside Services	5505 - 5580	399,370	1,077,032	37.08%
Equipment Rent, Taxes, Utilities	5620 - 5760	318,000	499,674	63.64%
Total Operational Expenses		\$ 5,278,166	\$ 10,863,137	48.59%
Net Operating Income		\$ 3,321,326	\$ 5,010,248	66.29%
Non-Operating Revenues				
Interest Received	9910 - 9910	22,011	25,000	88.04%
Unrealized Gains/(Losses)	9911 - 9911	(16,121)	-	100.00%
Other Income/(Expense)	9920 - 9973	101,088	263,105	38.42%
Total Non-Operating Revenues		\$ 106,978	\$ 288,105	37.13%
Non-Operating Expenses				
Election Costs	9950 - 9950	(1,887)	250,000	0.00%
Capital Expenses (2):				
Capital Improvements	1705 - 1760	1,126,893	1,481,653	76.06%
Capital Replacements	1705 - 1760	337,051	1,598,000	21.09%
Unforeseen Capital Projects	1705 - 1760	14,337	100,000	14.34%
Total Capital Expenses:		\$ 1,478,280	\$ 3,179,653	46.49%
Bond Interest Accrued (3)	7300 - 7300	661,602	1,323,204	50.00%
Total Non Operating Expenses		\$ 2,137,995	\$ 4,752,857	44.98%
Bond Retirement (3):		\$ 1,280,000	\$ 2,560,000	50.00%
Total Expenditures		8,589,184	17,887,889	48.02%
Revenues in Excess of All Expenditures, including Capital		\$ 10,308	\$ (2,014,504)	-0.51%

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 \$177,583 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 December 31, 2022 is \$302,661.23

Attachment 3

**ELK GROVE WATER DISTRICT
QUARTERLY BUDGET REVIEW
THROUGH DECEMBER 31, 2022
FISCAL YEAR 2022-23**

Account Description	FY 2022-23 Budget	Y-T-D 12/31/2022	50.00% Percentage	Y-T-D 12/31/2021	Change from prior year
4100 Water Payment Revenues - Residential	\$ 13,427,749	7,333,247	54.61%	\$ 7,493,180	(159,933)
4110 Water Payment Revenues - Commercial	1,912,041	1,011,077	52.88%	1,013,705	(2,628)
4120 Water Payment Revenues - Fire Service	205,595	105,089	51.11%	102,007	3,082
4200 Meter Fees/Plan Check/Water Capacity	126,000	53,638	42.57%	35,593	18,045
4201 Backflow Installation	10,000	12,405	124.05%	10,851	1,554
4202 Backflow Testing Fee	-	9,750	100.00%	-	9,750
4204 Failed Backflow Notification Fee	-	25	100.00%	-	25
4300 Fire Protection	-	156	100.00%	624	(468)
4520 Door Hanger Fees	115,000	42,050	36.57%	-	42,050
4530 Meter Testing Fee	-	47	100.00%	-	47
4540 New account Fees	25,000	9,240	36.96%	15,420	(6,180)
4550 NSF Fees	3,000	1,435	47.83%	700	735
4560 Fees & Penalties	-	8,453	0.00%	-	8,453
4570 Shut-off Fees	50,000	26,200	52.40%	-	26,200
4575 24 Hour Turn On	-	-	0.00%	-	-
4580 Restoration Fees	-	-	0.00%	200	(200)
4585 Administration Citations	-	-	0.00%	345	(345)
4590 Credit Card Fees	-	-	0.00%	-	-
4591 Sac County Release of Lien Fee	-	(260)	-100.00%	(700)	440
4700 Rental Income	-	-	0.00%	16,668	(16,668)
4900 Customer Refunds	(1,000)	(13,060)	1305.97%	(8,472)	(4,588)
TOTAL GROSS REVENUES	\$ 15,873,385	\$ 8,599,492	54.18%	\$ 8,680,121	\$ (80,629)

**ELK GROVE WATER DISTRICT
QUARTERLY BUDGET REVIEW
THROUGH DECEMBER 31, 2022
FISCAL YEAR 2022-23**

Account	Description	FY 2022-23 Budget	Y-T-D 12/31/2022	50.00% Percentage	Y-T-D 12/31/2021	Change from prior year
	Salaries & Benefits					
5100	Executive Salary	207,527	107,707	51.90%	82,146	25,561
5110	Exempt Salaries	634,842	319,393	50.31%	262,495	56,898
5120	Non-Exempt Salaries	1,957,845	930,452	47.52%	797,608	132,844
5130	Overtime Compensation	45,000	19,338	42.97%	19,915	(577)
5140	On Call Pay	31,025	15,385	49.59%	15,470	(85)
5150	Holiday Pay	137,977	60,987	44.20%	70,328	(9,341)
5160	Vacation Pay	161,804	90,590	55.99%	85,518	5,071
5170	Personal Time Pay	118,715	65,491	55.17%	60,540	4,951
5200	Medical Benefits	781,483	385,551	49.34%	377,909	7,642
5195	EAP	874	503	57.53%	459	43
5201	EGWD Contribution H.S.A	23,700	-	0.00%	-	-
5210	Dental/Vision/Life Insurance	60,730	35,970	59.23%	33,577	2,393
5220	Retirement Benefits	287,851	140,518	48.82%	124,650	15,868
5225	Retirement Benefits - Post Employment	186,234	44,017	23.64%	57,132	(13,115)
5230	Medical Tax, Social Security and SUI	67,060	23,757	35.43%	20,819	2,938
5240	Worker's Compensation Insurance	96,600	12,892	13.35%	19,362	(6,470)
5250	Education Assistance	2,500	-	0.00%	-	-
5260	Employee Training	41,700	3,047	7.31%	3,780	(733)
5270	Employee Recognition	2,880	4,872	169.17%	252	4,620
5280	Meetings	1,200	-	0.00%	-	-
	Less Capitalized Expenditures	(459,089)	(177,583)	38.68%	(141,806)	(35,777)
	Less Remaining CalPERS prepayment	-	(3,995)	N/A	-	(3,995)
	Category Subtotal	4,388,458	2,078,893	47.37%	1,890,155	188,738
Account	Description					
	Seminars, Conventions and Travel					
5300	Airfare	4,550	1,673	36.76%	-	1,673
5310	Hotels	12,100	530	4.38%	-	530
5320	Meals	5,638	1,502	26.64%	548	954
5330	Auto Rental	1,500	-	0.00%	-	-
5340	Seminars & Conferences	9,125	5,339	58.51%	2,781	2,558
5350	Mileage Reimbursement, Parking, Tolls	1,480	511	34.54%	-	511
5375	Auto Allowance	6,000	2,857	47.62%	2,785	72
	Category Subtotal	40,393	12,412	30.73%	6,114	6,298

**ELK GROVE WATER DISTRICT
 QUARTERLY BUDGET REVIEW
 THROUGH DECEMBER 31, 2022
 FISCAL YEAR 2022-23**

Account	Description	FY 2022-23 Budget	Y-T-D 12/31/2022	50.00% Percentage	Y-T-D 12/31/2021	Change from prior year
	Office & Operational					
5410	Advertising	17,200	5,540	32.21%	5,518	22
5415	Association Dues	134,359	123,485	91.91%	119,541	3,944
5420	Insurance	125,700	132,643	105.52%	95,520	37,123
5425	Licenses, Certifications, Fees	3,800	1,916	50.42%	2,861	(945)
5430	Repairs & Maintenance - Automotive	35,500	6,457	18.19%	14,672	(8,215)
5432	Repairs & Maintenance - Building	84,820	28,959	34.14%	23,422	5,537
5434	Repairs & Maintenance - Computers	20,650	17,973	87.04%	10,210	7,763
5435	Repairs & Maintenance - Equipment	147,100	50,226	34.14%	71,703	(21,477)
5438	Fuel	67,220	27,625	41.10%	18,596	9,029
5440	Materials	95,000	84,983	89.46%	35,488	49,495
5445	Chemicals	55,000	31,404	57.10%	28,364	3,039
5450	Meter Repairs	136,000	14,717	10.82%	1,877	12,840
5453	Permits	90,000	12,827	14.25%	60,124	(47,297)
5455	Postage	77,275	29,786	38.55%	26,995	2,791
5460	Printing	23,300	8,065	34.61%	2,701	5,364
5465	Safety Equipment	25,000	5,680	22.72%	3,009	2,670
5470	Software Programs & Updates	146,256	73,630	50.34%	110,648	(37,018)
5475	Supplies	36,420	16,385	44.99%	9,685	6,700
5480	Telephone	28,020	7,599	27.12%	12,338	(4,739)
5485	Tools	15,000	8,561	57.07%	11,559	(2,998)
5490	Clothing Allowance	7,700	1,648	21.41%	1,614	35
5491	EGWD-Other Clothing	13,000	4,796	36.89%	4,845	(49)
5493	Water Conservation Materials	18,000	4,164	23.13%	228	3,936
	Category Subtotal	1,402,320	699,070	49.85%	671,519	27,551
Account	Description					
5495	Purchased Water	3,455,261	1,770,421	51.24%	1,740,714	29,707

**ELK GROVE WATER DISTRICT
QUARTERLY BUDGET REVIEW
THROUGH DECEMBER 31, 2022
FISCAL YEAR 2022-23**

Account	Description	FY 2022-23 Budget	Y-T-D 12/31/2022	47.62% Percentage	Y-T-D 12/31/2021	Change from prior year
	Outside Services					
5505	Administration Services	4,100	1,293	31.53%	3,075	(1,782)
5510	Bank Charges	185,600	100,379	54.08%	91,371	9,008
5515	Billing Services	25,500	13,141	51.53%	9,811	3,330
5520	Contracted Services	504,410	225,800	44.77%	189,608	36,192
5523	Water Conservation Services	-	-	0.00%	-	-
5525	Accounting Services	30,000	14,396	47.99%	11,615	2,782
5530	Engineering	50,000	-	0.00%	12,535	(12,535)
5535	Legal Services	145,000	7,196	4.96%	9,282	(2,086)
5540	Financial Consultants	-	188	0.00%	(1,510)	1,698
5545	Community Relations	10,700	997	9.32%	1,095	(98)
5550	Pre-employment	1,000	-	0.00%	317	(317)
5552	Misc. Medical	2,000	230	11.50%	827	(597)
5555	Janitorial	21,200	8,103	38.22%	14,190	(6,087)
5560	Bond Administration	7,050	3,723	52.81%	1,500	2,223
5570	Security	31,972	12,787	40.00%	4,729	8,059
5575	Sampling	58,500	11,137	19.04%	10,303	834
	Category Subtotal	1,077,032	399,370	37.08%	358,747	40,623

Account	Description	FY 2022-23 Budget	Y-T-D 12/31/2022	50.00% Percentage	Y-T-D 9/30/2021	Change from prior year
	Equipment Rent, Taxes and Utilities					
5610	Occupancy	6,000	18,000	300.00%	42,000	(24,000)
5620	Equipment Rental	30,074	15,960	53.07%	12,630	3,330
5710	Property Taxes	4,000	3,277	81.92%	3,206	71
5740	Electricity	410,200	254,318	62.00%	200,019	54,299
5750	Natural Gas	2,000	1,305	65.23%	333	971
5760	Sewer and Garbage	47,400	25,140	53.04%	26,501	(1,361)
	Category Subtotal	499,674	318,000	63.64%	284,690	33,310
	Total Operational Expenses	10,863,138	5,278,166	48.59%	4,951,939	326,227

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Treasurer

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY CAPITAL RESERVE STATUS REPORT**

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

On June 16, 2020, the Florin Resource Conservation District (District) Board of Directors (Board) adopted the District's Reserve and Capital Investments Policy (Policy), establishing the funding levels for each of the District's respective reserve funds. Per the Policy, the District's unrestricted net position as of July 1 of each fiscal year is allocated first to the Operating Reserve (120 days of budgeted operating and maintenance expenses), then to the upcoming year's capital budget, followed by elections/special studies, with the balance allocated to future capital improvements and future capital replacements in the ratio of 75:25, respectively. The total unrestricted net position available to be allocated to reserves on July 1, 2022 was \$19,417,956.

Through the second quarter of Fiscal Year (FY) 2022-23, the District expended \$1,478,280 for capital projects leaving a remaining total reserve balance on December 31, 2022 of \$17,939,676.

DISCUSSION

Background

On June 21, 2022, the Board approved the District's FY 2022-23 Operating Budget and the District's FY 2023-27 Capital Improvement Program (CIP) that included an appropriation of \$16.433 million in expenses, including \$1.683 million in unrestricted funds to the FY 2022-23 CIP.

At the August 16, 2022 regular Board meeting, the Board amended the FY 2022-23 District Operating Budget and the District FY 2023-2027 CIP by increasing the

ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY CAPITAL RESERVE STATUS REPORT

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appropriation to capital reserves by \$1.431 million, resulting in total expenditures of \$17.865 million, including appropriations of \$3.114 million to the FY 2022-23 CIP.

At the November 15, 2022 regular Board meeting, the Board amended the FY 2022-23 District Operating Budget and the District FY 2023-2027 CIP by increasing the appropriation to capital reserves by \$65,337, resulting in total expenditures of \$17.888 million, including appropriations of \$3.180 million to the FY 2022-23 CIP.

Present Situation

As amended during the regular Board meeting on August 16, 2022 and on November 15, 2022, the District had appropriated Reserve Funds for FY 2022-23 as follows:

• Operations Reserves (120 days of O&M budget)	\$ 4,835,584
• FY 2022-23 Capital Improvement Fund	\$ 1,531,653
• FY 2022-23 Capital Replacement Fund	\$ 1,648,000
• Elections and Special Studies	\$ 250,000
• Future Capital Improvements	\$ 8,364,539
• Future Capital Replacements	<u>\$ 2,788,180</u>
	\$ 19,417,956

The District has expended \$1,478,280 for capital expenditures through December 31, 2022 as follows:

• Capital Improvement Fund	
○ Admin Building 9829 Waterman Rd	\$ 1,042,961
○ Service Line Replacement Paving	\$ 83,932
○ Unforeseen Capital Projects	<u>\$ 7,169</u>
TOTAL	\$ 1,134,062
• Capital Replacement Fund	
○ Locust/Summit Alley Water Main	\$ 15,515
○ 2 nd Ave Water Main	\$ 211,061
○ Truman Street/Adams Street	\$ 93,775
○ Elk Grove Blvd/Grove Street Alley	\$ 16,698
○ Unforeseen Capital Projects	<u>\$ 7,169</u>
TOTAL	\$ 344,218

January 17, 2023

ELK GROVE WATER DISTRICT FISCAL YEAR 2022-23 QUARTERLY CAPITAL RESERVE STATUS REPORT

Page 3

The District's remaining reserve fund balances as of December 31, 2022 including elections and special studies spending of \$1,887 are as follows:

• Operations Reserves (120 days)	\$ 4,835,584
• FY 2022-23 Capital Improvement Fund	\$ 397,592
• FY 2022-23 Capital Replacement Fund	\$ 1,303,782
• Elections and Special Studies	\$ 248,113
• Future Capital Improvements	\$ 8,364,539
• Future Capital Replacements	\$ 2,788,180
	<u>\$ 17,937,790</u>

ENVIRONMENTAL CONSIDERATIONS

There are no environmental considerations associated with this report.

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2020-2025 Strategic Plan. Developing and adopting annual budgets that are balanced through cost saving measures or transfers from operating reserves is specifically identified as an objective in the Fiscal Responsibility section of the Strategic Plan.

FINANCIAL SUMMARY

There is no financial impact with this report. Staff has provide a copy of the December 31, 2022, Quarterly Capital Reserves Review (attached) for the second quarter.

Respectfully submitted,



PATRICK LEE
FINANCE MANAGER/TREASURER

Attachment

**ELK GROVE WATER RESERVES
Fiscal Year 2022-23
As of December 31, 2022**

Total Available \$ 19,417,956 at 7/1/2022

Operating Reserves	Capital Improvements	Capital Replacements	Elections/ Special Studies	Future Capital Improvements	Future Capital Replacements
Needed	Funded	Funded	Funded	Funded	Funded
\$ 4,835,584	\$ 1,531,653	\$ 1,648,000	\$ 250,000	\$ 8,364,539	\$ 2,788,180
Available	Expended	Expended	Expended	Expended	Expended
-	\$ 1,134,062	\$ 344,219	\$ 1,887	\$ -	\$ -
Remaining	Remaining	Remaining	Remaining	Remaining	Remaining
\$ 4,835,584	\$ 397,592	\$ 1,303,782	\$ 248,113	\$ 8,364,539	\$ 2,788,180

Capital Improvement Funds

Supply/Dist. Improvements	Treatment Plant Improvements	Bldng/Site/Veh. Improvements	Unforeseen Capital Projects
Funded	Funded	Funded	Funded
\$ 135,000	\$ -	\$ 1,346,653	\$ 50,000
Expended	Expended	Expended	Expended
\$ 83,932	\$ -	\$ 1,042,961	\$ 7,169
Remaining	Remaining	Remaining	Remaining
\$ 51,068	\$ -	\$ 303,692	\$ 42,832

Capital Replacement Funds

Supply/Dist. Improvements	Treatment Plant Improvements	Bldng/Site/Veh. Improvements	Unforeseen Capital Projects
Funded	Funded	Funded	Funded
\$ 1,328,000	\$ 240,000	\$ 30,000	\$ 50,000
Expended	Expended	Expended	Expended
\$ 337,050	\$ -	\$ -	\$ 7,169
Remaining	Remaining	Remaining	Remaining
\$ 990,950	\$ 240,000	\$ 30,000	\$ 42,832

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District

FROM: Bruce Kamilos, General Manager

SUBJECT: **SUSTAINABLE GROUNDWATER MANAGEMENT GRANT PROPOSAL
RESOLUTION**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution No. 01.17.23.01, authorizing Omochochumne-Hartnell Water District to submit a grant proposal for the South American Subbasin on its behalf.

SUMMARY

The California Department of Water Resources (DWR) Sustainable Groundwater Management (SGM) Grant Program (Grant Program) will award approximately \$205 million to Groundwater Sustainability Agencies (GSAs) that oversee medium or high priority basins. The South American Subbasin (SASb) is a high priority basin. The Florin Resource Conservation District/Elk Grove Water District (FRCD/EGWD) has teamed with SASb GSAs to submit a grant proposal for a SASb Implementation Project (Project). The Project includes a Recharge Well Planning project that the FRCD/EGWD has been leading. This is a project that has the potential to improve California's water resilience, an objective of FRCD's Strategic Plan. The Omochochumne-Hartnell Water District (OHWD) is the lead agency for the SASb Implementation Project. The attached Resolution supports OHWD submitting a grant proposal on FRCD's behalf.

DISCUSSION

Background

The Grant Program provides funding to GSAs to promote sustainable groundwater basins in accordance with the Sustainable Management Groundwater Act (SGMA). The current Grant Program in Round 1 awarded \$152 million to GSAs that oversee critically over-drafted groundwater basins. In Round 2, the Grant Program will award approximately \$205 million to GSAs overseeing medium or high priority groundwater basins as categorized by DWR. The SASb from which EGWD produces its water is a high priority basin. Submittals for grant application proposals from GSAs were due on December 16, 2022.

**SUSTAINABLE GROUNDWATER MANAGEMENT GRANT PROPOSAL
RESOLUTION**

Page 2

Present Situation

The FRCD/EGWD has teamed with SASb GSAs to submit a grant proposal for Round 2. The OHWD is the lead agency for the grant proposal submittal. The grant proposal covers eight (8) components of the Project and is 156 pages long. Staff has provided a portion of the grant proposal (attached) which describes the scopes of work for each component. The eight (8) components of the Project are:

<u>Component Description</u>	<u>Grant Amount</u>
1. Grant Administration	\$865,700
2. Omochumne-Hartnell Groundwater Recharge Expansion	\$1,800,700
3. CoSANA Model Refinement	\$983,800
4. SASb Monitoring Network Update	\$294,000
5. Domestic Well Protection Planning	\$320,200
6. Vineyard ASR Well Implementation	\$3,192,000
7. Recharge Well Planning	\$858,900
8. Blodgett Dam Restoration Feasibility	\$1,207,500
Total:	\$9,522,800

The FRCD/EGWD has led the effort for component 7, Recharge Well Planning. This component would find sites, and design and construct four (4) recharge wells in the area near the Folsom South Canal. The wells' capacity to infiltrate groundwater would be tested using water supplied from nearby existing groundwater source wells. The long-term solution would be to use surface water from the Folsom South Canal for groundwater recharge. The project would include testing Folsom South Canal source water to determine if its water quality may pose a challenge to groundwater infiltration.

Staff recommends that the FRCD Board of Directors support this important Project and adopt Resolution No. 01.17.23.01, authorizing Omochumne-Hartnell Water District to submit a grant proposal for the SASb on its behalf.

ENVIRONMENTAL CONSIDERATIONS

There are no direct environmental considerations associated with this report.

January 17, 2023

**SUSTAINABLE GROUNDWATER MANAGEMENT GRANT PROPOSAL
RESOLUTION**

Page 3

STRATEGIC PLAN CONFORMITY

This item conforms to Strategic Goal 7, Water Industry Leadership, of the FRCD/EGWD 2020-2025 Strategic Plan. Strategic Goal 7 instructs to partner with agencies and organizations to develop plans and projects that improve California's water resilience.

FINANCIAL SUMMARY

There is no financial impact associated with this report.

Respectfully submitted,



BRUCE KAMILOS
GENERAL MANAGER

Attachments

RESOLUTION NO. 01.17.23.01

A RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS AUTHORIZING OMOCHUMNE-HARTNELL WATER DISTRICT TO SUBMIT A GRANT PROPOSAL FOR THE SOUTH AMERICAN SUBBASIN ON ITS BEHALF.

WHEREAS, the California Department of Water Resources (DWR) manages the Sustainable Groundwater Management (SGM) Grant Program; and

WHEREAS, DWR has over \$200 million available from the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68) and the California Budget Act of 2021 (Stats. 2021, ch. 240, § 80) (2021 Budget Act) for the SGM Grant Program; and

WHEREAS, DWR has solicited grant proposals for the SGM Grant Program due November 30, 2022; and

WHEREAS, eligible applicants for the SGM Grant Program include Groundwater Sustainability Agencies (GSAs), member agencies of GSAs, or an entity that represents a GSA, among others; and

WHEREAS, DWR will only accept one SGM Grant Program proposal per groundwater subbasin; and

WHEREAS, The Florin Resource Conservation District (District) uses groundwater a water source for our customers and has a strong interest in the sustainability of the South American Subbasin; and

WHEREAS, the Omochumne-Hartnell Water District (OHWD) is another GSA in the subbasin and has offered to submit a single SGM Grant Program proposal to DWR on behalf of the GSAs in the subbasin.

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

1. The Omochumne-Hartnell Water District is hereby authorized to act on behalf of the Florin Resource Conservation District in preparing and submitting a grant proposal to the California Department of Water Resources Sustainable Groundwater Management Grant Program for the South American Subbasin.

PASSED, APPROVED, AND ADOPTED this 17th day of January 2023.

AYES:
NOES:
ABSENT:
ABSTAIN:

Chair

Attest:

Stefani Phillips
Board Secretary

Approved as to form:

Richard E. Nosky
District Legal Counsel

C. Budget (maximum of 1 point possible)

8. Provide a completed budget summary table using template below.

Table 1a: Budget Summary

Grant Title: SASB GSP Update and Implementation

Grantee: Omochumne-Hartnell Water District

Components	Grant Amount
Component 1: Grant Administration	\$865,700
Component 2: Omochumne-Hartnell Groundwater Recharge Expansion	\$1,800,700
Component 3: CoSANA Model Refinement	\$983,800
Component 4: SASb Monitoring Network Update	\$294,000
Component 5: Domestic Well Protection Planning	\$320,200
Component 6: Vineyard ASR Well Implementation	\$3,192,000
Component 7: Recharge Well Planning	\$858,900
Component 8: Blodgett Dam Restoration Feasibility	\$1,207,500
Total:	\$9,522,800

Table 1b: Component Budget Summaries**Component 1: Grant Administration**

Component serves a need of a DAC, SDAC, Tribe and/or Underrepresented Community?

(check all that apply): DAC, SDAC, Tribe, and/or Underrepresented Community

Budget Categories	Grant Amount
(a) Grant Agreement Administration	\$865,700
(b) Environmental / Engineering / Design	\$0
(c) Implementation / Construction	\$0
(d) Monitoring / Assessment	\$0
(e) Engagement / Outreach	\$0
Total:	\$865,700

The budget as proposed has been developed to fund completion of the tasks and deliverables described in detail in Part B of this application, which shows the level of effort being expended is commensurate with the budgeted amounts.

Proposal Full View

Applicant Information				
Organization Name*	Omochumne Hartnell Water District			
Point Of Contact	First Name:*	Michael	Last Name:*	Wackman
	Email:*	michael@wackmanconsulting.com		
	Division Name:		Phone:*	(916) 7161358 Ext:
	Address Line 1:*	P.O. Box 211	Address Line 2:	
	City:*	Wilton	State:*	California
	Zip:*	95693		
Point Of Contact Position Title*	General Manager			
Proposal Name*	SASb GSP Update and Implementation Project			
Proposal Objective*	<p>The South American Subbasin (SASb) Groundwater Sustainability Plan (GSP) Update and Implementation Project is a comprehensive suite of linked Components whose objective is to help the subbasin achieve groundwater sustainability. The 2021 SASb GSP (Section 3.1) established as a sustainability goal “to protect and ensure the long-term viability of groundwater resources for domestic, urban, agricultural, industrial, and environmental beneficial users of groundwater.”</p> <p>The SASB GSAs and partnering agencies worked together to identify a set of Components for the California Department of Water Resources (DWR) Sustainable Groundwater Management Grant Program that would work well together while meeting Grant Program objectives and advancing the SASb sustainability goal. The eight Components identified include grant administration (which makes the other seven possible), Omochumne-Hartnell Groundwater Recharge Expansion, CoSANA Model Refinement, SASb Monitoring Network Update, Domestic Well Protection Planning, Vineyard ASR Well Implementation, Recharge Well Planning, and Blodgett Dam Restoration Feasibility.</p> <p>Collectively, the eight proposed Components would have basin-wide benefits. They include two implementation Components and six planning-type Components. Together, the implementation Components will facilitate up to 2,300 acre-feet per year of recharge to provide immediate progress towards groundwater sustainability in the subbasin. The planning Components, in turn, will queue up additional future projects, including getting an in-stream restoration and groundwater recharge project shovel-ready and collecting data to demonstrate the feasibility and improve the design of future aquifer recharge projects. The remaining planning Components will provide data supporting future project evaluation, the GSP update, and protection of shallow domestic wells. These projects are diverse and yet complementary, and all are rooted in meeting the GSP’s sustainability goal.</p>			

Budget Information	
Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$9,522,800.00
Total Proposal Cost*	\$9,522,800.00

Geographic Information						
Latitude*	DD(+/-):	38	MM:	24	SS:	31
Longitude*	DD(+/-):	-121	MM:	22	SS:	6
Longitude/Latitude Clarification	Indicated position is Omochumne-Hartnell Water District Office Location.					
Location	8970 Elk Grove Blvd., Elk Grove, CA 95624					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	Sacramento River, San Joaquin					
Watershed	The OHWD office is in the Valley-American Watershed (Unique Watershed Number 79), as is the majority of the subbasin.					

Legislative Information	
Assembly District*	10th Assembly District
Senate District*	8th Senate District
US Congressional District*	District 7 (CA)

Project Information

Project Name: SASb Monitoring Network Update	
Implementing Organization	Omochumne Hartnell Water District

Secondary Implementing Organization	N/A
Proposed Start Date	10/4/2022
Proposed End Date	4/30/2026
Scope Of Work	This Component will improve the SASb monitoring network by 1) video logging 20 wells to determine their perforated interval/well depth, 2) installation of continuous monitoring equipment, 3) enhancement of MN in areas identified in the SASb GSP as data gaps, 4) installation of a new stream gauge on the Cosumnes River (in collaboration with the Cosumnes subbasin), 5) making additional NDVI calculations, and 6) enhancing the water quality network.
Project Description	<p>An update of the existing SASb Monitoring Network (MN) is necessary as critical monitoring information is not available at all sites; and SASb MN enhancement is needed as there are still spatial and temporal gaps throughout the subbasin that impact the understanding of groundwater level, interconnected surface water and groundwater dependent ecosystems. The wells included in the SASb MN do not all currently have critical well construction information.</p> <p>This Component would entail field work to deploy an in-well camera to identify/confirm the screened intervals of the existing MN wells. After updating data gaps within the metadata of the existing MN, there will still be spatial data gaps in the MN that should be filled. Filling these spatial gaps in the principal aquifer will improve the conceptual understanding of horizontal and vertical hydraulic gradients which are fundamental to determining the impact of Project and Management Actions (PMAs) on flow paths of contaminants of concern (COCs) and recharge water in the subbasin.</p> <p>Beyond the spatial data gaps, there are temporal data gaps in the MN because there are wells in the network that are only measured biannually which means that any sub-seasonal groundwater level dynamics are not captured. Existing MN wells without continuous groundwater level monitoring will be updated with new instrumentation and any wells added to the network to improve spatial coverage will be instrumented with continuous sensors as well.</p> <p>One additional stream gauge will be installed on the Lower Cosumnes River in a reach identified as a Data Gap in the GSP.</p> <p>This monitoring program network is not only essential to managing minimum objective targets in the SASb but also to identifying and tracking the potential impact of GSP management actions on water quality.</p>
Project Objective	The overarching goal of this Component is to make additional groundwater and surface water data available that is necessary to inform an enhanced evaluation framework to allow for a more robust comparison of SASb conditions to the Measurable Objectives (MOs) and Minimum Thresholds (MTs) outlined in the 2021 SASb GSP. This will help achieve the SASb GSP's sustainability goal.

Project Benefits Information

No records found.

Budget Information

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$294,000.00
Total Project Cost*	\$294,000.00

Geographic Information

Latitude*	DD(+/-):	38	MM:	28	SS:	54
Longitude*	DD(+/-):	-121	MM:	20	SS:	5
Longitude/Latitude Clarification	This Component will benefit the entire subbasin, so this is a centrally-located point in the subbasin.					
Location	Intersection of Bradshaw Road and Gerber Road.					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	Sacramento River, San Joaquin					
Watershed	The majority of the subbasin is in the Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519), but portions are also in the Sacramento Delta Watershed and the North Valley Floor Watershed.					

Legislative Information

Assembly District*	6th Assembly District, 7th Assembly District, 8th Assembly District, 9th Assembly District
Senate District*	1st Senate District, 3rd Senate District, 4th Senate District, 6th Senate District, 8th Senate District
US Congressional District*	District 3 (CA), District 6 (CA), District 7 (CA)

Project Name: Domestic Well Protection Planning

Implementing Organization	Sacramento Central Groundwater Authority
Secondary Implementing Organization	N/A
Proposed Start Date	7/1/2023
Proposed End Date	9/30/2025

Scope Of Work	Rural domestic wells can be vulnerable to dewatering due to chronic lowering of groundwater levels. This Component would develop a Domestic Well Advisory Group (DWAG) to reach out to the community and support development of a well protection program. It will also develop a Voluntary Monitoring Program (VMP) and conduct an analysis of potential impacts on shallow wells in the subbasin.
Project Description	<p>This Component would initiate a Domestic Well Advisory Group (DWAG), a Volunteer Monitoring Program (VMP), and a Domestic Well Impact Analysis.</p> <p>The DWAG will be organized with representatives from the GSAs and the local well owner community. The DWAG will meet bi-annually to coordinate community outreach, engage with stakeholders on well data, and support further development of a well protection program. Additionally, the DWAG will support the VMP by assisting with outreach and assessing instrumentation/technical needs for successful participation. The DWAG will focus on those well owners who are dependent on individual domestic wells for drinking water and sanitation, thereby recognizing the human right to water. Outreach and education will build off the framework established in the Communication and Engagement (C&E) Plan from the SASb GSP and will take into consideration feedback received from stakeholders.</p> <p>Motivated by engaged local domestic well owners, the GSAs will support the development of a VMP of domestic/shallow wells within the subbasin. Data properly collected at individual wellheads is valuable information for identifying vulnerable wells and ascertaining if wells may be impacted by declining groundwater levels. Standard operating procedures will be developed and training provided to ensure the quality of data collected. In addition to groundwater levels, samples at selected wells may be used to assess water quality constituents of interest (e.g., nitrates, EC, arsenic, iron, manganese).</p> <p>The assessment of potential impacts on domestic wells is dependent on a thorough understanding of the locations and depths of existing wells. Outreach will seek to engage owners of wells that are not in the DWR Well Completion Report database with an opportunity to provide information on the location, depth, construction, age and other characteristics of those wells.</p>
Project Objective	The Component's goals and objectives can be summarized as to develop better information and engagement on vulnerable wells based on a need to serve this community as identified in the GSP. This will help achieve the GSP sustainability goal "to protect and ensure the long-term viability of groundwater resources for domestic, urban, agricultural, industrial, and environmental beneficial users of groundwater."

Project Benefits Information

No records found.

Budget Information

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$320,200.00
Total Project Cost*	\$320,200.00

Geographic Information

Latitude*	DD(+/-):	38	MM:	28	SS:	54
Longitude*	DD(+/-):	-121	MM:	20	SS:	5
Longitude/Latitude Clarification	This Component will benefit the entire subbasin, so this is a centrally-located point in the subbasin.					
Location	Intersection of Bradshaw Road and Gerber Road.					
County*	Sacramento					
Ground Water Basin						
Hydrologic Region	Sacramento River, San Joaquin					
Watershed	The majority of the subbasin is in the Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519), but portions are also in the Sacramento Delta Watershed and the North Valley Floor Watershed.					

Legislative Information

Assembly District*	6th Assembly District, 7th Assembly District, 8th Assembly District, 9th Assembly District
Senate District*	1st Senate District, 3rd Senate District, 4th Senate District, 6th Senate District, 8th Senate District
US Congressional District*	District 3 (CA), District 6 (CA), District 7 (CA)

Project Name: Vineyard ASR Well Implementation

Implementing Organization	
Secondary Implementing Organization	N/A
Proposed Start Date	4/1/2023
Proposed End Date	9/30/2025
Scope Of Work	This Component would implement an Aquifer Storage and Recovery (ASR) Well as the first phase of development of an ASR Program in the vicinity of the Sacramento County Water Agency (SCWA) Vineyard Surface Water Treatment Plant (VSWTP). Upon completion of the Component, an ASR well will recharge about 800 acre-feet of water to the groundwater basin annually (between November and April), making water available for extraction in dry years.
Project Description	This grant Component will implement the first ASR well at the VSWTP by completing pilot testing at an existing well, environmental documentation and permitting, topside design and construction, and monitoring and reporting in accordance with Central Valley Regional Water Quality Control Board's ASR Monitoring and Reporting Program.

	<p>This Component will complete construction of the first of five wells planned to be constructed for the full ASR Program. The initial testing will consist of a multi-phase approach to assess capacity and operation. Results will be summarized in a final data report and ASR Strategic Plan for use in construction of the first ASR well and later development of the full ASR Program.</p> <p>Data from ASR initial testing will inform the environmental documentation and permitting as required for the ASR well design and construction of supply piping, flow measurement, valving and other required equipment, which will also be done under this Component.</p> <p>Environmental documentation and permitting will be addressed per the requirements of local regulatory agencies, including preparation of a CEQA Initial Study.</p> <p>Per the outcome of the initial testing and completion of environmental documentation and permitting, the well improvement design will describe the construction, start-up and testing needed to bring the well online for ASR. The design phase will include the development of civil, architectural, mechanical, electrical, and instrumentation designs to transform an existing municipal well, formerly used for water supply during the construction of the VSWTP facility, to a functioning ASR well.</p> <p>Construction will consist of the solicitation and evaluation of bids and selection of a qualified contractor to execute the construction. SCWA will manage construction.</p>
Project Objective	The Component's goals and objectives can be summarized as to develop the information needed to design an ASR well program at VSWTP and construct and operate the program's first well, which will recharge an estimated 800 acre-feet per year.

Project Benefits Information	
No records found.	

Budget Information	
Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$3,192,000.00
Total Project Cost*	\$3,192,000.00

Geographic Information						
Latitude*	DD(+/-):	38	MM:	30	SS:	1
Longitude*	DD(+/-):	-121	MM:	18	SS:	50
Longitude/Latitude Clarification	Location is where the well is to be constructed at the Vineyard Surface Water Treatment Plant.					
Location	10151 Florin Road, Sacramento, CA 95829					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	Sacramento River					
Watershed	Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519)					

Legislative Information	
Assembly District*	9th Assembly District
Senate District*	6th Senate District
US Congressional District*	District 7 (CA)

Project Name: Recharge Well Planning	
Implementing Organization	
Secondary Implementing Organization	N/A
Proposed Start Date	10/4/2022
Proposed End Date	4/30/2026
Scope Of Work	This Component will find sites, design and construct four recharge wells in the area of the Folsom South Canal (FSC). The wells' capacity to infiltrate groundwater and the movement of that infiltrated water through the vadose zone will be tested using water supplied from nearby existing groundwater source wells as a stand-in for a long-term FSC surface water source. Meanwhile, the water quality of canal source water will be tested to determine if it poses challenges for infiltration.
Project Description	<p>The proposed planning Component includes two elements: recharge well pilot testing at four sites in the South American Subbasin near the FSC north of the Cosumnes River; and collecting water quality data and then evaluating that data to determine whether pretreatment of the recharge water will be required and what it might cost.</p> <p>Based on the availability of sites and using the results of the investigative work at the LDSR, four sites for recharge well pilot testing will be identified in the SASb FSC corridor in the four-mile reach north of the Cosumnes River. Outreach will be conducted so site selection can focus on landowners who have an interest in collaboration, land available for well construction, and supply wells with sufficient capacity (e.g., production rates exceeding 300 gpm) to provide temporary sources of water for recharge well testing (note that these sites could become permanent parts of a recharge network if later refitted to use FSC water). Several potential sites have already been identified and outreach to the landowners will occur in the first year while the well configuration research occurs at the LDSR site. Geophysical surveys will be conducted and, using the screening approach developed through the process described above, well site locations within the parcels will be selected and depths specified for recharge well installation at four locations. The design of these wells will be modified, as appropriate, to improve hydraulic performance and cost-effectiveness based on observations from the first year of operations at the LDSR site. Well piping will be temporary</p>

	and easily removable to accommodate the landowner. The recharge wells will be pilot tested during the winter period. Water quality screening will be performed for constituents that have the potential to negatively affect recharge well operations and groundwater quality.
Project Objective	The goal of the recharge well Component is to proactively address technical uncertainties and develop a streamlined process for site selection and facility design/construction of recharge wells in the vicinity of the Folsom South Canal.

Project Benefits Information

No records found.

Budget Information

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$858,900.00
Total Project Cost*	\$858,900.00

Geographic Information

Latitude*	DD(+/-):	38	MM:	32	SS:	35
Longitude*	DD(+/-):	-121	MM:	14	SS:	39
Longitude/Latitude Clarification	Point is along FSC in area of interest. Actual location may vary based on site selection.					
Location	Point is along the FSC adjoining Sunrise Blvd between Douglas Road and Kiefer Boulevard. Actual location may vary based on site selection.					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	Sacramento River					
Watershed	Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519)					

Legislative Information

Assembly District*	7th Assembly District
Senate District*	6th Senate District
US Congressional District*	District 6 (CA)

Project Name: CoSANA Model Refinement

Implementing Organization	Sacramento Central Groundwater Authority
Secondary Implementing Organization	N/A
Proposed Start Date	5/1/2023
Proposed End Date	4/30/2026
Scope Of Work	The GSP water budgets were developed using the Cosumnes-South American-North American (CoSANA) integrated surface and groundwater flow model. The effects of the GSP projects and management actions were evaluated with this model. The CoSANA Model Refinement grant Component would update the model and enhance its features to fill data gaps and decrease the uncertainty of model results.
Project Description	<p>The Cosumnes-South American-North American (CoSANA) integrated water resources model was developed to assist in a broad range of water management activities in the Sacramento Region and was used by the three participating subbasins in developing their respective GSPs.</p> <p>This Component would upgrade the SASb portion of the model as part of an effort that would be coordinated regionally with the other two subbasins. Coordination will result in a unified approach that benefits all three subbasins. This approach provides a platform for stakeholders to coordinate and collaborate in a transparent environment toward a common goal of regional sustainability of water resources. The CoSANA model provides the technical framework to facilitate these regional coordination efforts. This also allows efficiency in the overall process and maintains consistency among common data sources and upgrades across the model domain. The regional coordination that is built into the CoSANA Model Refinement approach will be cost-effective, providing great benefits to each of the three subbasins while saving time and expense.</p> <p>Data gaps and other conceptual limitations in the CoSANA model development were identified during the GSP numerical model development process and are documented in the CoSANA model documentation report included as Appendix 2-B in the SASb GSP. Specific data gaps and conceptual limitations identified during GSP development that will be addressed by this Component include enhanced representation of variability of evapotranspiration; incorporation of the DWR airborne electromagnetic (AEM) and Soil Survey Geographic Database (SSURGO) parameters directly into CoSANA; refinement of surface water deliveries and groundwater pumping estimates; improved flow estimates for tributary streams; improved return flow routing; and improved representation of stream channel geometry.</p>
Project Objective	The goals of the model upgrades and feature enhancements are to fill data gaps and to improve the accuracy of CoSANA model results used to support implementation of the GSP. The model refinements would support future analyses of the GSP's proposed projects and management actions at the local scale. The Component would also address comments from the stakeholder community on the simulation capabilities, assumptions, and results of the model.

Project Benefits Information

No records found.

Budget Information	
Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$983,800.00
Total Project Cost*	\$983,800.00

Geographic Information						
Latitude*	DD(+/-):	38	MM:	28	SS:	54
Longitude*	DD(+/-):	-121	MM:	20	SS:	5
Longitude/Latitude Clarification	This Component will benefit the entire subbasin, so this is a centrally-located point in the subbasin.					
Location	Intersection of Bradshaw Road and Gerber Road.					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	Sacramento River, San Joaquin					
Watershed	The majority of the subbasin is in the Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519), but portions are also in the Sacramento Delta Watershed and the North Valley Floor Watershed.					

Legislative Information	
Assembly District*	6th Assembly District, 7th Assembly District, 8th Assembly District, 9th Assembly District
Senate District*	8th Senate District
US Congressional District*	District 3 (CA), District 6 (CA), District 7 (CA)

Project Name: SASb Grant Administration	
Implementing Organization	Omochumne Hartnell Water District
Secondary Implementing Organization	N/A
Proposed Start Date	10/4/2022
Proposed End Date	4/30/2026
Scope Of Work	Grant Administration includes tracking and maintaining records of all funding and associated Components. Specific efforts to track funding implementation and Project progress include quarterly progress reports and invoices. This Component also involves coordination and communication with stakeholders and participating GSAs, and management of the Grant Agreement.
Project Description	Project Component 1, Grant Administration, includes tracking and maintaining records of all funding and associated Components. Specific efforts to track funding implementation and Project progress include quarterly progress reports and invoices. This Component also involves coordination and communication with stakeholders and participating GSAs, and management of the Grant Agreement. Work completed under this Component will ensure that there will be oversight, tracking, and management of funding implementation and Project progress. This will facilitate achievement of the goals outlined under each of the other Components according to the budget and schedule provided in this application. A designated grant administrator will be assigned to manage the grant administration efforts.
Project Objective	The South American Subbasin (SASb) GSP Update and Implementation Project seeks to help achieve the SASb groundwater sustainability goal “to protect and ensure the long-term viability of groundwater resources for domestic, urban, agricultural, industrial, and environmental beneficial users of groundwater.” This Component will ensure that there will be oversight, tracking, and management of funding implementation and Project progress.

No records found.

Budget Information	
Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$865,700.00
Total Project Cost*	\$865,700.00

Geographic Information						
Latitude*	DD(+/-):	38	MM:	28	SS:	54
Longitude*	DD(+/-):	-121	MM:	20	SS:	5
Longitude/Latitude Clarification	This Component will benefit the entire subbasin, so this is a centrally-located point in the subbasin.					
Location	Intersection of Bradshaw Road and Gerber Road.					

County*	Sacramento
Ground Water Basin	5-021.65 Sacramento Valley-South American
Hydrologic Region	Sacramento River, San Joaquin
Watershed	The majority of the subbasin is in the Valley-American Watershed (Unique Watershed Number 79; Calwater Watershed Code 5519), but portions are also in the Sacramento Delta Watershed and the North Valley Floor Watershed.

Legislative Information	
Assembly District*	6th Assembly District, 7th Assembly District, 8th Assembly District, 9th Assembly District
Senate District*	1st Senate District, 3rd Senate District, 4th Senate District, 6th Senate District, 8th Senate District
US Congressional District*	District 3 (CA), District 6 (CA), District 7 (CA)

Project Name: Omochumne-Hartnell Groundwater Recharge Expansion	
Implementing Organization	Omochumne Hartnell Water District
Secondary Implementing Organization	N/A
Proposed Start Date	10/4/2022
Proposed End Date	4/30/2026
Scope Of Work	This Omochumne-Hartnell Groundwater Recharge Expansion (OHE) Component will increase the recharge capacity of the existing OHWD recharge infrastructure to up to 4,000 AFY by constructing two new diversion pumps, installing fish screens for two new pumps and for one existing pump, and expanding pipelines to improve stream diversion as well as provide additional monitoring to more effectively characterize the fate of recharge.
Project Description	<p>This Component expands upon an existing Flood-Managed Aquifer Recharge (Flood-MAR) project OHWD constructed in 2019 to take advantage of winter flood flows in the Cosumnes River and apply them to agricultural land to improve groundwater recharge. The OHE Component will install new pumps as well as fish screens to the existing system. The new pumps will allow greater withdrawals during high flows, and the fish screens will enable withdrawals during a longer season. Together these features of the Component will allow maximum recharge from the system to increase by over 1,500 AFY.</p> <p>The existing OHWD project diverts flows from the Cosumnes River, when they are available between December 1 and March 15 (one diversion pump without a fish screen is not used after February 15), for Flood-Managed Aquifer Recharge (Flood-MAR) in agricultural and open space lands near the river. The existing system is permitted to divert and recharge up to 2,444 acre-feet per year (AFY), although average diversions are lower due to weather variability.</p> <p>This Component will increase the recharge capacity to up to 4,000 AFY by constructing two new diversion pumps, installing fish screens for two new pumps and for one existing pump, and expanding pipelines to improve stream diversion as well as provide additional monitoring to better characterize the fate of recharge. This Component will enable an existing irrigation well in the property to be connected to the system to pump groundwater onto the land surface to test infiltration on a sub-area of the OHE property and evaluate recharge effectiveness regardless of the availability of diversions from the Cosumnes River.</p>
Project Objective	The purpose of the Component is to increase groundwater recharge to raise local groundwater levels to benefit private shallow domestic and agricultural wells and increase subsurface return flows to the Cosumnes River near the recharge sites.

Project Benefits Information	
No records found.	

Budget Information	
Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$1,800,700.00
Total Project Cost*	\$1,800,700.00

Geographic Information						
Latitude*	DD(+/-):	38	MM:	26	SS:	46
Longitude*	DD(+/-):	-121	MM:	13	SS:	28
Longitude/Latitude Clarification	This is a point on the largest of 4 properties the Component would involve.					
Location	This is on the Teichert property between the Cosumnes River and Deer Creek and southwest of the Folsom South Canal.					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	San Joaquin					
Watershed	North Valley Floor Watershed (Unique Watershed Number 91; Calwater Watershed Code 6531)					

Legislative Information	
Assembly District*	9th Assembly District
Senate District*	6th Senate District

US Congressional District*	District 7 (CA)
Project Name: Blodgett Dam Restoration Feasibility	
Implementing Organization	Omochumne Hartnell Water District
Secondary Implementing Organization	N/A
Proposed Start Date	10/4/2022
Proposed End Date	4/30/2026
Scope Of Work	OHWD has operated Blodgett Dam to increase stream depth during the late dry season to improve stream conditions for agricultural diversions and increase seepage. This Component seeks to characterize the groundwater recharge and riparian habitat potential of stream channel recontouring on the site, to plan the removal of the existing structure, and to design the recontouring of the stream channel to maximize recharge and habitat.
Project Description	OHWD has operated Blodgett Dam to increase stream depth during the late dry season to improve stream conditions for agricultural diversions and increase seepage. A recent review of the effectiveness of the flashboard dam for groundwater recharge found that widening the stream channel (that has limited longitudinal heterogeneity) increased recharge under low flow conditions, with expected greater benefits under higher flows. To accurately quantify the benefits of groundwater recharge under stream channel widening it is necessary to characterize local aquifer heterogeneity to identify where in the channel and at what depths high conductivity units exist. Electrical resistivity tomography (ERT) geophysical surveying at Blodgett Dam would identify where paleochannels facilitate stream-aquifer interaction and would inform the recontouring design; recent geophysical surveying at a nearby site has demonstrated the presence of a high conductivity paleochannel. Shallow groundwater monitoring with piezometers will be used to quantify the hydraulic gradients between the stream and varying hydrogeologic units to characterize the flow direction between the stream and shallow groundwater system. The combination of geophysical and piezometer data can be assessed with geospatial analysis and surface water-groundwater modelling to test which spatial extent and depth of stream channel recontouring would maximize groundwater recharge and improve base flow during the dry season.
Project Objective	The first objective of the Component is to characterize the local stream-aquifer interaction and identify any geologic features that can be leveraged with channel restoration to improve groundwater recharge and in-stream flow conditions. The second objective of the Component is to design the stream channel recontouring and restoration to improve groundwater recharge and aquatic habitat and increase levee bank stability.

Project Benefits Information

No records found.

Budget Information

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested*	\$1,207,500.00
Total Project Cost*	\$1,207,500.00

Geographic Information

Latitude*	DD(+/-):	38	MM:	26	SS:	59
Longitude*	DD(+/-):	-121	MM:	12	SS:	48
Longitude/Latitude Clarification	This is located near the center of the Component site.					
Location	On the Cosumnes River approximately 1,900 feet southwest of the Folsom South Canal.					
County*	Sacramento					
Ground Water Basin	5-021.65 Sacramento Valley-South American					
Hydrologic Region	San Joaquin					
Watershed	North Valley Floor Watershed (Unique Watershed Number 91; Calwater Watershed Code 6531)					

Legislative Information

Assembly District*	9th Assembly District
Senate District*	6th Senate District
US Congressional District*	District 7 (CA)

Section : Questions

The answers to these questions will be used in processing the application and determining eligibility and completeness.

Q.1. Previous Funding: Has the applicant received prior funding through another grant source? If so, identify the source and amount of funding provided for the Project.*

No

Q.2. Project Representatives: Provide the name and details of the Project Director who is responsible for signing and executing the Agreement for the applicant. This is the authorized person as outlined within the adopted resolution and the title within the adopted resolution must align with the title provided here. Persons that are contractors/consultants or their subs cannot be listed as the Project Director. Other entities included in the GSA can be listed here.*

Michael Wackman, General Manager, Omochumne-Hartnell Water District, P.O. Box 211, Wilton, CA, 95693, michael@wackmanconsulting.com, (916) 716-1358

Q.3. Project Manager: Provide the name, title, and contact information of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application. This person must be an employee of the applicant agency and cannot be contractors/consultants or their subs.*

Stephen Julian, Watershed Coordinator, Southeast Sacramento County Agricultural Water Authority, stephen@WackmanConsulting.com, (254) 640-0155

Q.4. Underrepresented Community Assistance: Will the Project benefit a Tribe or another Underrepresented Community?*

- a) Yes
- b) No

Q.4.1.: If so, how much of the funds requested will directly benefit the Underrepresented Community?

\$6,612,364 based on proportion of land area within each Component's benefit area in a high or moderate-high URC.

Q.4.2.: How much of the funds being requested will benefit a Tribe(s)?

0

Q.4.3: How much of the funds being requested will benefit an SDAC?

\$952,200 based on proportion of land area within the subbasin that is an SDAC.

Q.5. Other Project Representatives: Please provide a list of all nonprofit organizations that you are partnering with, which component they are involved with, their roles/responsibilities, and how much of the grant funds will be paid to the nonprofit.*

No nonprofit organizations will receive funds from the grant.

Q.6. Schedule Question: Will the Project be ready for construction within 6 months of grant awards (anticipated July 2023). Identify which components will be ready for construction and the estimated date construction will begin, if applicable.

Yes.
Component 2, Omochumne-Hartnell Groundwater Recharge Expansion, will be ready for construction in June, 2023.
Component 6, Vineyard ASR Well Implementation, will be ready for construction in October 2023.
Component 7, Recharge Well Planning, will be ready for construction in November 2023.

Q.7. San Joaquin Valley (SJV) Funding: Please tell us if the Project or a component is located within a SJV Subbasin and is one of the three eligible funding activities located on Page 7 of the 2021 PSP.

The southern edge of the subbasin is in SJV. It is not a critically overdrafted subbasin, so SJV funding may not apply. However, the Project does include the eligible activities geophysical investigations, pilot studies facilitating recharge consistent with existing flood management plans, and floodplain expansion.

Q.8. Certification: By submitting the application, the applicant and its authorized representative are certifying that:

- a) The applicant is an eligible entity;
- b) He/She is aware that any attachment exceeding the page limit listed in the attachment templates will NOT be reviewed;
- c) He/She is aware that, once the proposal is submitted in GRanTS, any privacy rights and other confidentiality protections offered by law with respect to the application package and project location are waived;
- d) He/She is aware that, if the proposed Project is chosen for funding, any privacy rights and other confidentiality protections offered by law with respect to any portion of the grant (including the Agreement, all deliverables, all invoices, and backup documentation supporting the invoices, and all reporting requirements outlined within the agreement) are waived;
- e) He/She agrees to the Start and End Dates provided in this application and will complete the project within the dates provided; and
- f) He/She, and their attorney, has read and agrees to all the Terms and Conditions of the Agreement template.***

- a) Yes
- b) No

Section : Climate Risk in Investments

The answers to these questions will be used in surveying Program applicants.

Q.1. Climate: Does the organization have a primary point of contact for climate change?

- a) Yes
- b) No

If yes, who is it and to what position in the organization does that person report?

Q.2. Climate: Does the organization have a strategic business plan that considers climate change?

- a) Yes
- b) No

If yes, please submit a copy.

Q.3. Climate: Has the organization adopted any policies or made any formal public statements about climate change?

- a) Yes
- b) No

If yes, please submit a copy.

Q.4. Climate: Has the organization conducted a climate change vulnerability assessment?

- a) Yes
- b) No

If yes, please submit a copy.

Q.5. Climate: How would you describe your organization’s capacity to adapt to the impacts of climate change? (Open ended; one to three paragraphs.)

Omochumne-Hartnell Water District is committed to developing an effective management strategy that protects its member’s interests, the resources of the Cosumnes River, and meets the future water needs of the region. OHWD has continued to develop and create new projects that will enhance the water supply for its landowners and the region. These projects include conjunctive use projects such as groundwater recharge, Cosumnes River flow augmentation to increase fish flows in the river and dam improvement projects. Funding this grant application would help OHWD and other GSAs in the subbasin develop resiliency that would assist with adaptation to climate change.

Section : Attachments

Provide the attachments listed below by attaching files to the GRanTS application. When attaching files, please use the naming convention found in Section V.B of this PSP. Requirements for information to be included in these attachments are found in Section V.B.2 of this PSP or in the supplied templates.

Attachment 1: Authorizing Documentation (e.g., adopted resolution using example provided on Page 18)*

Last Uploaded Attachments: Att1_SGM_AuthDoc_1of1.pdf

Attachment 2: Eligibility Criteria Self-Certification Form*

Last Uploaded Attachments: Att2_SGM_EligDoc_1of1.pdf

Attachment 3: Work Plan (Applicant MUST use supplied template)*

Last Uploaded Attachments: Att3_SGM_WrkPlan_1of1.pdf

Attachment 4: Maps, supporting letters, figures, tables, or budget backup documentation*

Last Uploaded Attachments:
Att4_SGM_Other_5of5.pdf,Att4_SGM_Other_3of5.pdf,Att4_SGM_Other_2of5.pdf,Att4_SGM_Other_1of5.pdf,Att4_SGM_Other_4of5.pdf

January 17, 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

- **Administration Building Tenant Improvements Final Cost** – Staff will provide an update on the final cost (Attachment 1) attributed to the Administration Building Tenant Improvements project.
- **ACWA-JPIA Special Recognition Award and ACWA 2022 Fall Conference Overview**
The Florin Resource Conservation District received the ACWA-JPIA President's Special Recognition Award (Attachment 2). Our District was one of a select few that were mentioned during the ACWA Conference keynote luncheon of having received this award. Staff will provide a brief review of the conference. My notes are attached as Attachment 3.

GENERAL MANAGER'S REPORT

Page 2

- Sacramento Central Groundwater Authority – At the December 2022 board meeting of the Sacramento Central Groundwater Authority (SCGA), the SCGA Board of Directors elected me to be Vice Chair for the 2023 calendar year.
- Regional Water Authority – At the January 2023 board meeting of the Regional Water Authority (RWA), the RWA Board of Directors elected me to serve on the RWA Executive Committee for the 2023 calendar year.

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

A. P. Thomas Construction, Inc.

Tel: 916-483-9000

Fax: 916-483-9100

CA License No. 637869

OWNER CHANGE ORDER

OWNER: Florin Resource Conservation District
9257 Elk Grove Boulevard
Elk Grove, CA 95624

CHANGE ORDER #: 14
DATE: 11/18/22

PROJECT NAME: Elk Grove Water District Tenant Improvement

PROJECT #: 21-615-02

AP REF #	CONTRACT IS CHANGED AS FOLLOWS	COST
	Furnish and install the following:	
1.	Credit Guaranteed Maximum Price through Change Order #13	(2,658,283.00) <i>A</i>
2.	Actual Contract and Change Order Value	2,440,067.00 <i>B</i>
	Subcontractor Value \$ 2,123,286.00	
	General Conditions & Requirements \$ 151,785.00	
	General Liability \$ 24,401.00	
	Overhead & Profit \$ 113,754.00	
	APT Bonds \$ 26,841.00	
3.	Total Savings \$ (218,216.00) <i>(A-B)</i>	
	Unused Contingency \$ - (72,907.00) <i>100% Dist. (was incl. GMP)</i>	
	Split Savings Value \$ = (145,309.00) <i>60% Dist / 40% APT</i>	
	EGWD \$ 87,185.00	
	APT \$ 58,124.00	58,124.00 <i>C</i>
	<i>72,907 + 87,185 = 160,092</i>	
	<i>check.</i>	<i>A+B-C =</i>
	TOTAL THIS CHANGE:	(160,092.00)

The Original Contract Sum was 21,772.00
 Net change by previously authorized Change Orders 2,636,511.00
 The Contract Sum prior to this Change Order was 2,658,283.00
 The Contract Sum will be increased/decreased/unchanged by this Change Order in the amount of (160,092.00)
 The new Contract Sum including this Change Order will be 2,498,191.00

The Contract Time will be changed by..... (0) Days
 The date of Substantial Completion as of this Change Order therefore is **July 22, 2022**

NOTE: This summary does not reflect changes in the Contract Sum or Contract time, which have been authorized by Construction Change Directives.

APPROVED BY: _____
OWNER/OWNER'S REPRESENTATIVE

APPROVED BY: 
A.P. THOMAS CONSTRUCTION, INC.

DATE: _____

DATE: 11/18/22

RECEIVED

NOV 29 2022



YOUR BEST PROTECTION

11/28/2022

ACWA JPIA

P. O. Box 619082
Roseville, CA 95661-9082

phone
916.786.5742
800.231.5742

www.acwajpia.com

President
E.G. "Jerry" Gladbach

Vice President
Melody A. McDonald

Chief Executive Officer
Walter "Andy" Sells

Executive Committee
Fred Bockmiller
David Drake
E.G. "Jerry" Gladbach
Cathy Green
Brent Hastey
Chris Kapheim
Melody A. McDonald
Randall Reed
J. Bruce Rupp

Core Values

- *People*
- *Service*
- *Integrity*
- *Innovation*

Florin Resource Conservation District (E010)
9829 Waterman Rd.
Elk Grove, CA 95624

General Manager:

Each year at Fall Conference, the JPIA recognizes members that have a Loss Ratio of 20% or less in either of the Liability, Property or Workers' Compensation programs (loss ratio = total losses / total premiums).

The members with this distinction receive the "**President's Special Recognition Award**" certificate for each Program that they qualify in.

The JPIA is extremely pleased to present Florin Resource Conservation District (E010) with this special recognition and commends the District on the hard work in reducing claims.

Congratulations to you, your staff, Board, and District. Keep up the good work!

The JPIA wishes you the best in 2023.

Sincerely,

Melody McDonald
President

Enclosure: President's Special Recognition Award(s)

President's Special Recognition Award

*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Florin Resource Conservation District

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Liability Program for the period 10/01/2018 - 09/30/2021
announced at the Board of Directors' Meeting in Indian Wells.*



Melody McDonald, President



November 28, 2022

President's Special Recognition Award

*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Florin Resource Conservation District

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Property Program for the period 07/01/2018 - 06/30/2021
announced at the Board of Directors' Meeting in Indian Wells.*



Melody McDonald, President



November 28, 2022

President's Special Recognition Award

*The President of the
ACWA JPIA
hereby gives Special Recognition to*

Florin Resource Conservation District

*for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Workers' Compensation Program for the period 07/01/2018 - 06/30/2021
announced at the Board of Directors' Meeting in Indian Wells.*



Melody McDonald, President



November 28, 2022

Attachment 3

ACWA 2022 Fall Conference Notes

12/1/2022

Statewide Issues Forum (10:15 am – 11:45 am, 1.5 hours)

Unpacking California's Water Supply Strategy

Moderator: Grant Davis, GM, Sonoma Water

Panelists:

E. Joaquin Esquivel, Chair, State Water Board

Dr. Ellen Hanak, VP and Dir. of Water Policy Center and Senior Fellow, Public Policy Institute of Calif.

Nancy Vogel, Dep. Sec. for Water Calif. Natural Resources

Nancy: Spoke on the Governor's Water Resilience Portfolio. Final version July 2020. 142 actions that the State must complete. Most interested in the work between SWB and DWR on groundwater recharge analysis. This will provide needed data for all. Situation on the Colorado River must double down on water supply strategy in the water resilience portfolio. In a "hot drought", more evaporation, less runoff. 16 page doc called Water Supply Strategy. Action items like get 4MAF of storage either above or below ground. State looking at ways to expedite ways to get projects built.

Joaquin: Water Supply Strategy is good because it looks at increasing water supply in a holistic way. There was a rumor that the State was overemphasizing conservation, but not true. The State is supporting all ways to improve water supply: recycling, stormwater capture, GW recharge, water efficiency, etc.

Nancy: Most excited about GW recharge in the Water Supply Strategy. This is a crucial adaptation the state must make. Capture winter flood flows. If the process gets too difficult to get permitting, then the state should help. Only so much unappropriated water out there to get their hands on for recharge, and the state must help settle that out if needed.

Joaquin: Glad water rights are called out in the Water Supply Strategy. Technology should help figure this out and make the process move faster. Affordability is an important component that is addressed in one paragraph, but it is an important paragraph. Portfolio is important, but we are really trying to sharpen our pencil on supply side.

Ellen: Must meet ecosystem needs with Water Supply Strategy. Must also store water for the environment as part of our overall strategy.

Grant: Where do you see ACWA members fitting in with the Water Supply Strategy?

Nancy: Use the good work that all did around SGMA and do that again with the Water Supply Strategy.

Joaquin: Get real about specifics. Where are common opportunities for investments to happen.

Ellen: Partner together.

How do the smaller agencies access grant money for projects? They don't have the large overhead to manage the funds.

Nancy: DWR is keenly aware of that issue. DWR has issued a lot of grants out in small communities for drought issues. A lot of hand holding and phasing of the grants so that the small agencies can access it.

Grant: Lot of smaller agencies don't have the technical or grant writing capacity to do this. Grant asked about who in the room is doing GW recharge projects.

Bruce: I explained our GW recharge pilot project partnering with SAFCA.

Joaquin: Talked about the Morro Bay wastewater project. Storied project. Moved wastewater treatment plant to get away from seawater intrusion, sea level rise,

Joaquin: Trying to streamline the permitting process.

11/30/2022

Federal Forum (1:45 pm – 2:45 pm, 1 hour)

Key Policy and Water Supply Updates

Presenters:

Moderator, Jim Peifer, RWA

Ernest Conant, USBR, Regional Director Calif. Great Basin Region 10

Gary Gold, USBR

Stacy Wade, USBR

Stacy talked about the Colorado River system. She said that 2 to 4 MAF per year is needed to stabilize the Colorado River system. That's a lot of water and puts the existing situation into a serious situation. Lake Powell and Lake Mead are at risk of dead pool with these types of releases.

Looking at evaporative losses is on the table for USBR including Mexico, already taking reductions as part their water scarcity plan. WaterSMART process can take a while. USBR is working on trying to get the money out faster.

Ernest talked about the Delta system. Four items to address to deal with looking ahead.

1. Fix existing infrastructure
2. Pursue new storage: Sites Reservoir, Los Vaqueros Reservoir Expansion, Del Puerto Canyon Reservoir, San Luis Reservoir Expansion
3. Water Use Efficiency: Additional funding for WaterSMART (Note to self: We need to make a strong nexus for water use efficiency in our WaterSMART grant application) and Recycled Water Grants
4. Regulatory Certainty

11/30/2022

Leadership in Water (10:15 am – 11:15 am, 1 hour)

Presenters:

Moderator: Andy Fecko, GM PCWA

Clifford Chan, GM EBMUD

Sandy Keri GM SD Co Water Auth

Aaron Fukuda, GM Tulare Irrigation District

How to prepare to go into a leadership role. Running theme is leadership is about vision.

Sandy: One of the largest water agencies in southern California.

Aaron: Born and raised in Hanford, CA. Started in Ag. Community. Cal Poly grad. Leadership is about vision. Leadership comes from having a great staff. Keep them happy!

Clifford: Started at EBMUD as a junior engineer and had a stereotype of govt agencies but those turned out not be true. Strategy for attracting talent and developing next generation, competing for the tech employees, have to get them interested in work we are doing, three things, telling the story or the history, today's generation cares about the environment, and then tell them about the future and innovation. Never going to compete on salary with Google or Apple, but compete on purpose. Go to high schools and jr. colleges. Partnered with UC Berkeley talking about wastewater design and the practical side of what they do. Have to think about how you develop staff.

Aaron: Sustainability. Finding sustainability in GW. SGMA created a whole new industry with the spawning of GSAs. Each GSA has different approaches and different speeds. Aaron is in a world right now with no water supply coming in these past two years. Difficult to manage.

Andy: SGMA started out with a lot of resistance but now have accepted it.

Aaron: Landowners finally coming to realization. Don't like term of sustainability but their wells started drying up. Wells with what used to be a 20-year life are now a 5-year life. Without a water supply, banks won't loan to you. There is a fear in the central valley that they are going to collapse their local economies.

Sandy: New workforce is not looking for traditional work environment. How are we creating a place where people want to come to and want to stay? Need staying power. Newer generation has no qualms about leaving the job and going someplace else. "Appreciative inquiry" what is it like when you do your best work. That is who we want to be when we are at our best. In value, brought in the element of the employee. District is not project highlighted only. More focus spent on culture and values of organization. Went thru 3rd survey, proud they are a top choice as an employer in SD county. Culture change takes 3-5 years. Getting orgs ready to create next gen takes consistent focus. Must

show support for your employees. COVID changed culture. Office remote, operations in the field. Navigating the hybrid work environment. Competing with others that offer that.

Aaron: Board members help navigate. Must nurture board members so all on the same page. Can make a course direction if needed as the new GM. Strategic planning became important. Let's his staff run and supports his staff going out on a limb. Branded the TID family. Good culture. They have a culture where they have to be at the office, not work from home.

Clifford: Today's leaders must guide and inspire. Don't be hidden in the office. Communicate with your staff. Thinking more about mental health dept. How does mental health distract the work that gets done. Doesn't have to be perfect, don't let perfect get in the way of "good". Okay to fail, deal with the failure, (have to have a failure mentality), and then move on. Only way we are going to be able to deal with huge problems we are facing is by collaborating and by innovating.

Aaron: Wake up and keep trying. HR example or project that excites people. Project side – most people think that irrigation district's conservative. They were the first to go with the Sky-TEM. That led to buying a Tow-TEM system. Make multimillion decisions on data. One employee will be trained by Danish. Only 3 owned in the state. USDA, TID, and Rambo. Educating younger generation on importance of benefits.

Sandy: How do you manage future vision as to where the district wants to be in 10 years. Leave place better than you found it.

DEI – Diversity, Equity and Inclusion

11/29/2022 (1:00 pm – 2:45 pm, 1.75 hours)

Water Management Committee Meeting

A detailed discussion about the seven states water agreement for the Colorado River was given by Metropolitan Water of Southern California. The Met gets 4.4 MAF of water per year per the agreement and has rights to take any excess the other participants, including Mexico, don't use. With the growth seen in the western states, all participants are taken their allotments. With the drought, there are serious cuts that must be made. The Met gets 45% of their water from internal agency members, 25% from the Colorado River and 30% from the State Water Project.

11/29/2022 (10:00 am – 11:45 am, 1.75 hours)

Groundwater Committee Meeting

DWR gave an update on GSP reviews. It was reported that all GSPs will be reviewed within 2 years. Data gaps are an area of focus. Trying to advance recharge projects. Water Supply Strategy is an add-on to the water resilience portfolio recent publication from governor's office. Recommendations are for GW recharge to make up for 70 MAF deficit. Report GW recharge will make up 1/3 of that amount. GW

recharge projects have a CEQA exemption. Takeaway – GW recharge is going to be highly supported by DWR. EGWD should try to get grant money for ASR well (Kerry suggested also. Well permitting by County (not GSAs). CEQA self-certification form for GW recharge projects, this will be in place as long as the Governor’s executive order is in place. It will be rescinded when the executive order. Draft drinking water guidance out in a couple of weeks. Specifically focused on water supply and how to address lowering GW levels. This next round of water funding will probably be the last round of big money being available. State surplus budget is normalizing.

John Woodling said we may be seeing a 5-year drought which could mean GSAs wind up violating minimum thresholds set in GSPs.

Trevor Joseph – Stated that GSAs are worried about the reworking of climate change modeling and how it will affect their GSPs. There could be additional costs as a result. Paul of DWR said that DWR is aware that the guidance they provide must not break the bank of the GSAs.

DWR spoke about potential state intervention of basins and what that they would look like. No ex parte restrictions on these GSPs so folks should be willing to talk freely with DWR to resolve issues. 90 day notice that a public hearing will take place at which time DWR will determine if a 1-year probationary period is warranted. Some of the tools out there. DWR has a GW quality tool. Governor’s water strategy to address 10% reduction of overall water supply, GW recharge is a major component. Streamlined permitting process for GW Recharge. Three diff. approaches. Temp permit – 180 day temp permit can apply for this while applying for standard permit Also, 5 year permit which is an option while working on long term permit. CEQA exemption.

Interconnected surface water. Is DWR and the SWRCB working with Fish and Wildlife to handle this undesirable result? Not a set methodology on how to monitor and manage that. Can’t be an academic exercise. There will be a guidance document by mid-2024 on how to monitor and manage interconnected surface water. Not sitting back hoping agencies come to DWR with a solution. DWR playing an active role.

Subcommittee report

GW Quality

Chrom 6, arsenic, PFAS, manganese are some of the chemicals that the State is looking at for GW quality. Will State look at impact of multiple chemicals would have on the economic feasibility as opposed to individual chemicals?

Arsenic MCL – targeting 2024.

Land Use Committee: Chair of the committee couldn’t make it here.

SGMA Implementation Committee: Chair Trevor Joseph. Developed a brochure on the success of GSAs meeting SGMA requirements. Can be downloaded from ACWA website. Approached by GRA in terms

of joining forces with ACWA. Trying to bring the SGMA Implementation Summit back. Will focus on interactive participation in the Summit. Probably the first week in June 2023 in Sacramento. Three major topics: GSAs(?), Demand mgmt., interconnected surface water.

11/28/2022 (11:30 am – 12:30 pm, 1 hour)

ACWA/JPIA Board of Directors' Meeting

Voted to amend the ACWA-JPIA By-laws

11/28/2022 (10:15 am – 11:15 am, 1 hour)

ACWA/JPIA Executive Committee Meeting

Review and take action on proposed revision to JPIA Bylaws presented by Andy Sells. Replacement or additional head counts. Director of Outreach will oversee risk management depts. Not a new position, carved out HR manager position which will be new position. Dir. of Member Support. Head count going up by 1. Change in bylaws that prevents a member district from not having 2 votes on the Ex. Committee. We have not had this problem yet but the Ex. Comm wants to be proactive on this. Possible situation where you have the President or Vice President of ACWA sitting on the ACWA JPIA Board and you also have a Board Member of the same district sitting on the board.

Cyber Liability Program update: Fully insured program, no pooled element, it is pure commercial purchased program. Used to be automatic coverage if you were a member of the liability program. No longer that way. In 2021, the premium was \$127K. In 2022, it is now under \$1M. Now \$1.2M. Exorbitant rise in costs. Req'ts for coverage are all over the place, from just a simple application, to multifactor authentication, to annual penetration tests, etc. FRCD has Cyber Security Coverage thru JPIA. KnowBe4 mentioned as one of the programs that is being pushed by the insurance provider.

Employee Benefits update: Not much to report

Risk Management update:

Yorba Linda uses an air-tow trailer to help with loading and offloading a trailer safely. Increased productivity and made safer.

Santa Clarita Valley Water Agency received 2021 22 JPIA Risk Control Grant. Only 30% of operation has emergency radios. SCV used JPIA grant to purchase emergency radios and install in SCV vehicles.

11/28/2022 (8:30 am – 10:00 am, 2 hours)

ACWA/JPIA Property Program Committee

Property Program Updates delivered by Adrienne Beatty, Assistant Executive Officer

Experienced some significant challenges. Unprecedented catastrophic losses industry wide. Wildfires a significant impact in Calif. 2 wildfire losses in 10s of million dollars. Led to hardened excess insurance. Market thru commercial insurers. Hard to purchase now. 20 diff carriers for this type of insurance.

Many will not take the entire layers of insurance. Typ. only take 10 to 20 %. Had to take on a higher level of retention because of the restrictions. Now \$10M retention where it was \$100K. Costs have gone up. Now there are mandatory min. deductibles. Do get a discount though from higher deductibles because taking on more of the costs of the insurance. Approved 20% rate increase for premiums due to excess insurance costs and having to fund the \$10M self-retention.

Liability programs have Catastrophic loss limits built into them. Have a nat. disaster fund for property program sitting at \$2M right now. Should be much higher than that with the \$10M retention in play. Was funded with \$0.5M from budget, would like to do without adding money to the budget. Therefore, more rate increases likely.

Q&A:

1. Does ACWA JPIA covers actual replacement cost, or stated value? They pay actual replacement costs.
2. For the excess commercial insurance, we have to pay for Hurricane Ida even though not in our region. All premiums cover insurance needs in totality.
3. Paradise Irrigation Question. Costco came up there with fire insurance. Will ACWA JPIA reassess the Paradise community? Destructions of assets lost in the fire, getting replacement costs to build those new assets. The construction cost to rebuild will be your new value. Other assets not lost, they would look at those as to the value.
4. No self-funding of terrorism coverage.
5. Cybersecurity. JPIA has been preaching employee training and it is helping. Frequency has decreased as a result. Problem is the severity of the problem has gone up when it happens, therefore so has costs. For water agencies, if you don't do certain things, they will take coverage away from you.

January 17, 2023

TO: Chair and Directors of the Florin Resource Conservation District
FROM: Bruce Kamilos, General Manager
SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORTS – NOVEMBER AND DECEMBER 2022**

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 during both November and December 2022. 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 November and December 2022 Operations Reports.

Present Situation

The EGWD's November 2022 Operations Report highlights are as follows:

- **Operations Activities Summary** – The EGWD has a practice of not shutting off customers in November during the holiday season and, as such, no shutoffs occurred in November. We received one (1) pressure complaint and one (1) water quality complaint. Upon inspection, all water complaints were unsubstantiated.
- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of November increased 16.63 percent compared to November 2021 and is 20.46 percent less than what was produced in 2020. Year 2020 is the baseline year the State Water Resources Control Board

ELK GROVE WATER DISTRICT OPERATIONS REPORTS – NOVEMBER AND DECEMBER 2022

Page 2

adopted for water usage. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of November compared to 2020 was down by 17.22 percent.

- **Static and Pumping Level Graphs** – The fourth quarter soundings are shown and indicate that the static water levels are stable compared to the fourth quarter of 2021.
- **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 November:
 - Staff unloaded and situated the more filter media for an upcoming filter vessel rehabilitation at the Railroad Water Treatment Plant.
 - Staff flushed and sampled well 8 Williamson after having the submersible motor replaced. Well 8 was put back into normal service.
 - Staff conducted special media sampling from inside filters 7 and 8 at the Railroad Water Treatment Facility. It was necessary for the media disposal permitting process.
 - Staff facilitated investigation and control system replacement of the HVAC unit at Well 4D Webb.
 - After a power surge, staff investigated control power failures at Well 8 Williamson.
 - Staff replaced the impeller inside the hydrogen blower at the Railroad Water Treatment Plant after a partial failure of the unit.
- **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 were five (5) service line leaks and no main line leaks during November.
- **System Pressures** – Pressures in Service Area 1 generally remained stable during the month of November. Pressures in Service Area 2, which are controlled

ELK GROVE WATER DISTRICT OPERATIONS REPORTS – NOVEMBER AND DECEMBER 2022

Page 3

by Sacramento County Water Agency, were also stable as compared to the previous month.

The EGWD's December 2022 Operations Report highlights are as follows:

- **Operations Activities Summary** – The EGWD has a practice of not shutting off customers in December during the holiday season and, as such, no shutoffs occurred in December. We received zero pressure complaints and two (2) water quality complaints. Upon inspection, all water complaints were unsubstantiated.
- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of December increased 7.88 percent compared to December 2021 and is 10.61 percent less than what was produced in 2020. Year 2020 is the baseline year the State Water Resources Control Board adopted for water usage. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of November compared to 2020 was down by 9.76 percent.
- **Static and Pumping Level Graphs** – The fourth quarter soundings are shown and indicate that the static water levels are stable compared to the fourth quarter of 2021.
- **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 December:
 - Staff replaced the Programmable Logic Controller (PLC) at well #8 and also added a new surge suppressor and electrical breakers.
 - Staff replaced a malfunctioning Human-Machine Interface (HMI) at Well 9 Polhemus.
 - Staff facilitated the replacement of two malfunctioning iHydrant pressure logging devices.

January 17, 2023

ELK GROVE WATER DISTRICT OPERATIONS REPORTS – NOVEMBER AND DECEMBER 2022

Page 4

- **Safety Meetings/Training** – One (1) safety training session was conducted for the month.
- **Service and Main Leaks Map** – There was one (1) service line leak and no main line leaks during December.
- **System Pressures** – Pressures in Service Area 1 generally remained stable during the month of December. Pressures in Service Area 2, which are controlled by Sacramento County Water Agency, were also stable as compared to the previous month.

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

Attachments

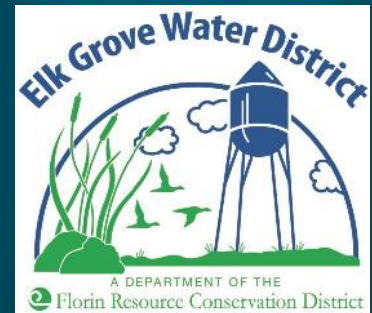
EGWD

OPERATIONS REPORT

November 2022



Elk
Grove
Water
District



Elk Grove Water District
Operations Report
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Operations Activities Summary

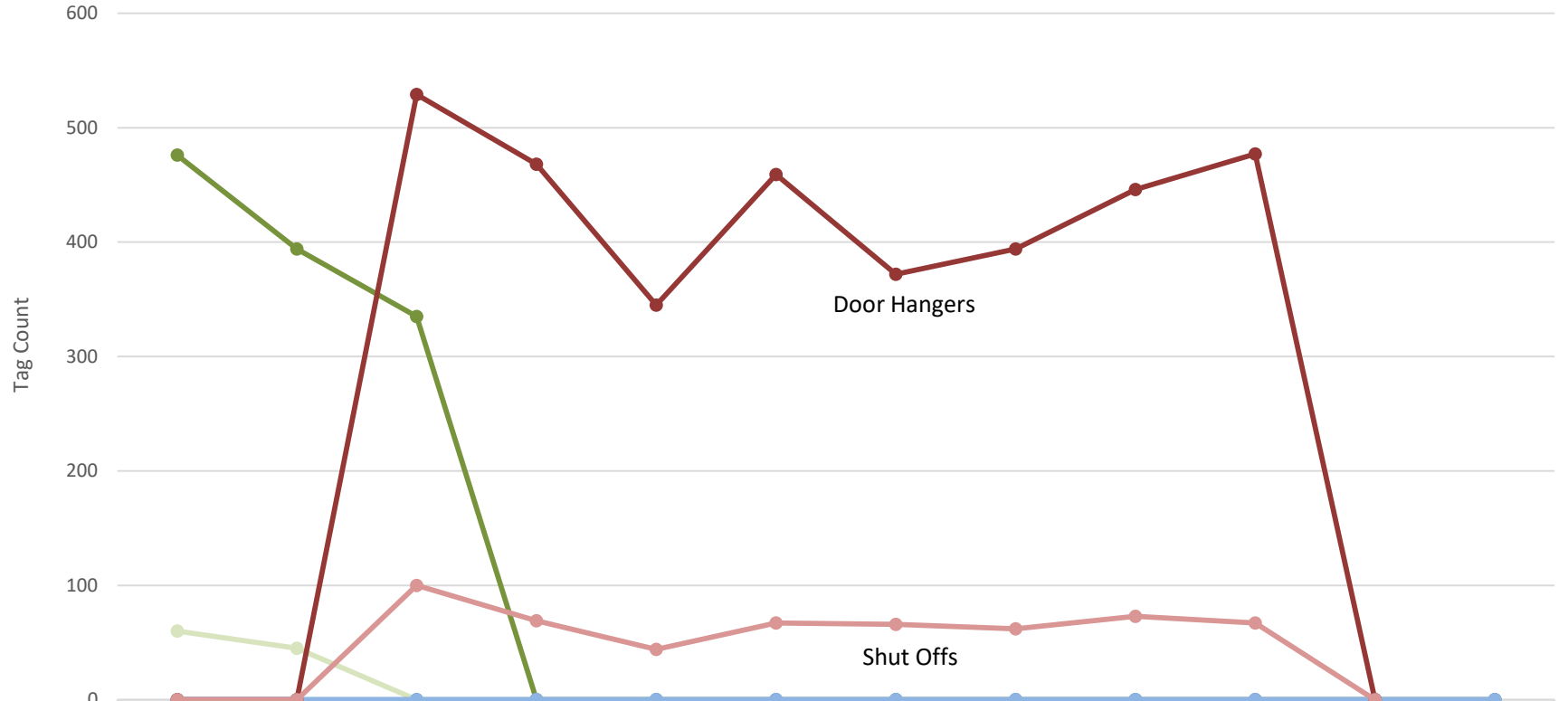
<u>Service Requests:</u>	November -22		YTD (Since Jan. 1, 2022)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	0	0	3,490	144.6
Shut offs	0	0	548	107
Turn ons	0	0	506	109
Investigations	63	15.75	502	125.5
USA Locates	510	127.5	5,002	1,250.5
Customer Complaints				
-Pressure	1	0.5	15	7.5
-Water Quality	1	0.5	12	6
-Other	0	0	0	0

<u>Work Orders:</u>	November -22		YTD (Since Jan. 1, 2022)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	22	34.5	198	577
Corrective Maint.	10	75	61	534
Water Samples	14	40	184	91.5
Distribution:				
Meters Installed	9	2.5	24	9.3
Meter Change Out	17	10	261	142
Preventative Maint.				
-Hydrant Maintenance (45)	69	15.5	447	81.5
-Valve Exercising (127)	140	23.5	1,109	215.75
-Other	0	0	0	0
Corrective Maint.				
-Leaks	5	63	60	766.7
-Other	31	54.75	187	591.75
Valve Locates	0	0	0	0
Utility:				
Corrective Maint.	0	0	0	0

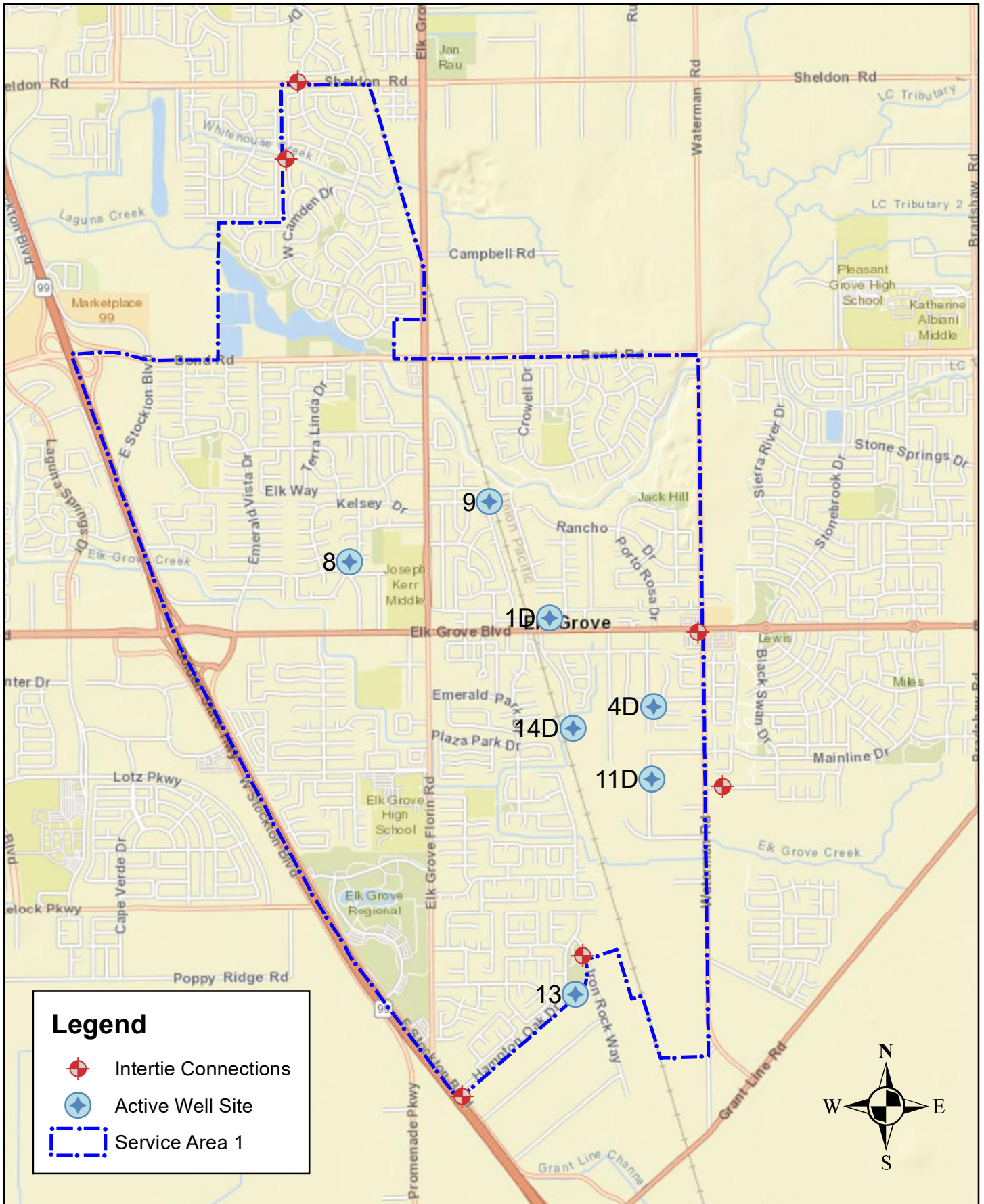


Elk Grove Water District




Door Hangers and Shut Off Tags



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020 Door Hangers	476	394	335	0	0	0	0	0	0	0	0	0
2020 Shut Offs	60	45	0	0	0	0	0	0	0	0	0	0
2021 Door Hangers	0	0	0	0	0	0	0	0	0	0	0	0
2021 Shut Offs	0	0	0	0	0	0	0	0	0	0	0	0
2022 Door Hangers	0	0	529	468	345	459	372	394	446	477	0	0
2022 Shut Offs	0	0	100	69	44	67	66	62	73	67	0	0

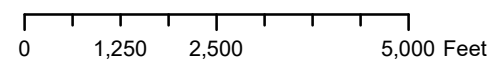


Legend

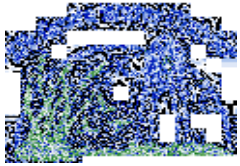
-  Intertie Connections
-  Active Well Site
-  Service Area 1



Active Well Sites & Intertie Connections



Elk Grove Water District



Elk Grove Water District

Monthly Production

Well 1D School -- November 2022

Selected Month Production

111,571 Gallons

Average GPM: 1,859
 Pump depth: 275 ft
 Well depth: 1025 ft

Motor:

Volts: 478
 Volts (Rated): 460
 RPM: 1789
 RPM (Rated): 2115
 Amps A: 178
 Amps A (Rated): 222
 Amps B: 178
 Amps B (Rated): 222
 Amps C: 172
 Amps C (Rated): 222

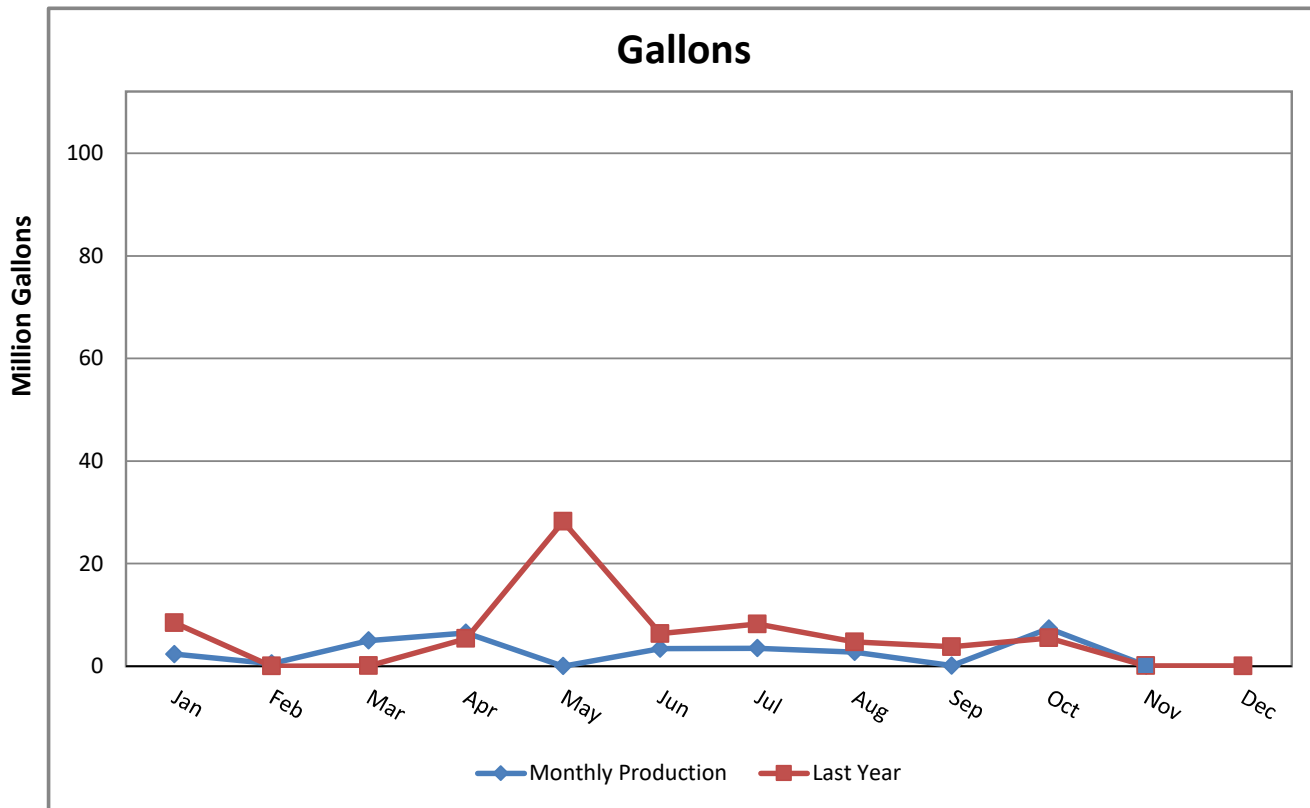
Motor Temp: 73.9 F
 Hour Meter: 1.00
 KW Hour Total: 320

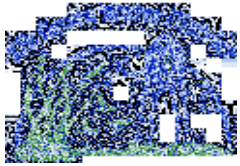
Chlorine:

Dosing: 1.53 mg/L
 Demand: 0.50 mg/L
 Residual: 1.03 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.04 in/sec





Elk Grove Water District

Monthly Production

Well 4D Webb -- November 2022

Selected Month Production

22,500,940 Gallons

Average GPM: 1723
Pump depth: 340 ft
Well depth: 1075 ft

Motor:

Volts: 480
Volts (Rated): 460
RPM: 1677
RPM (Rated): 1775
Amps A: 200
Amps A (Rated): 225
Amps B: 198
Amps B (Rated): 225
Amps C: 200
Amps C (Rated): 225

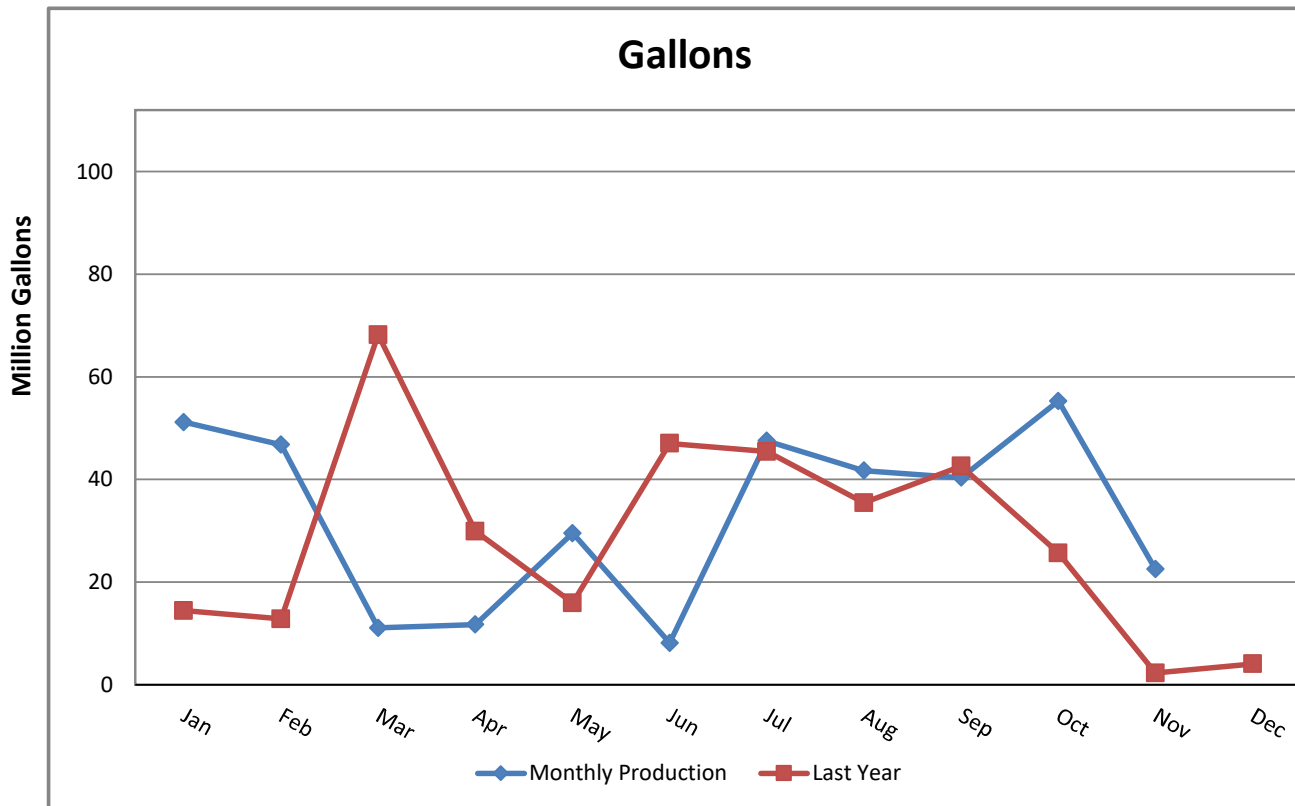
Motor Temp: 137.1 F
Hour Meter: 217.60
KW Hour Total: 31,800

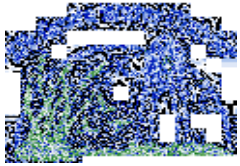
Chlorine:

Dosing: 1.65 mg/L
Demand: 0.65 mg/L
Residual: 1.00 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.01 in/sec





Elk Grove Water District

Monthly Production

Well 11D Dino -- November 2022

Selected Month Production

32,140,963 Gallons

Average GPM: 1708
 Pump depth: 340 ft
 Well depth: 1038 ft

Motor:

Volts: 483
 Volts (Rated): 460
 RPM: 1665
 RPM (Rated): 1775
 Amps A: 197
 Amps A (Rated): 225
 Amps B: 191
 Amps B (Rated): 225
 Amps C: 185
 Amps C (Rated): 225

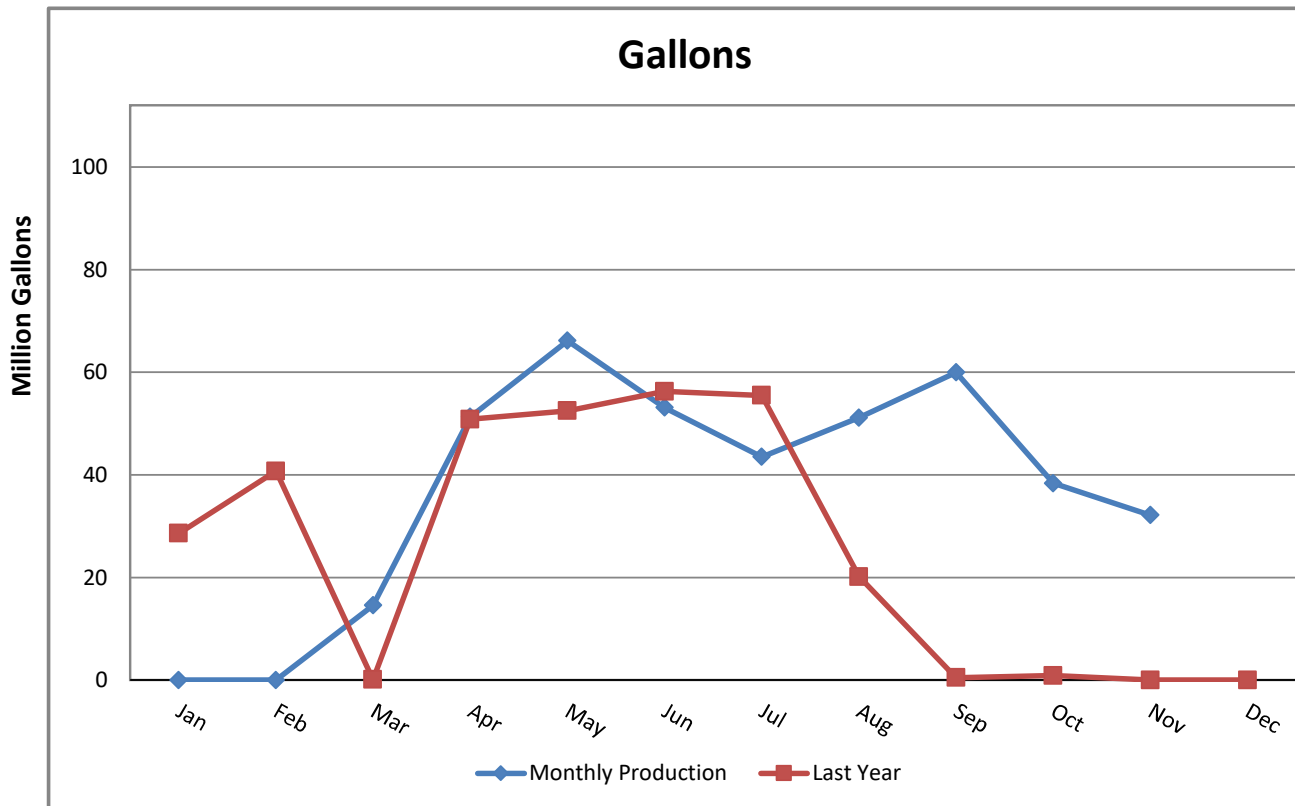
Motor Temp: 112.4 F
 Hour Meter: 313.50
 KW Hour Total: 44,700

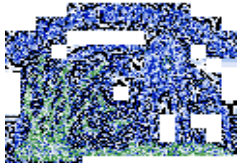
Chlorine:

Dosing: 1.67 mg/L
 Demand: 0.57 mg/L
 Residual: 1.10 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.01 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- November 2022

Selected Month Production

718,782 Gallons

Average GPM: 1460
 Pump depth: 340 ft
 Well depth: 1051 ft

Motor:

Volts: 485
 Volts (Rated): 460
 RPM: 1780
 RPM (Rated): 1785
 Amps A: 163
 Amps A (Rated): 171
 Amps B: 163
 Amps B (Rated): 171
 Amps C: 163
 Amps C (Rated): 171

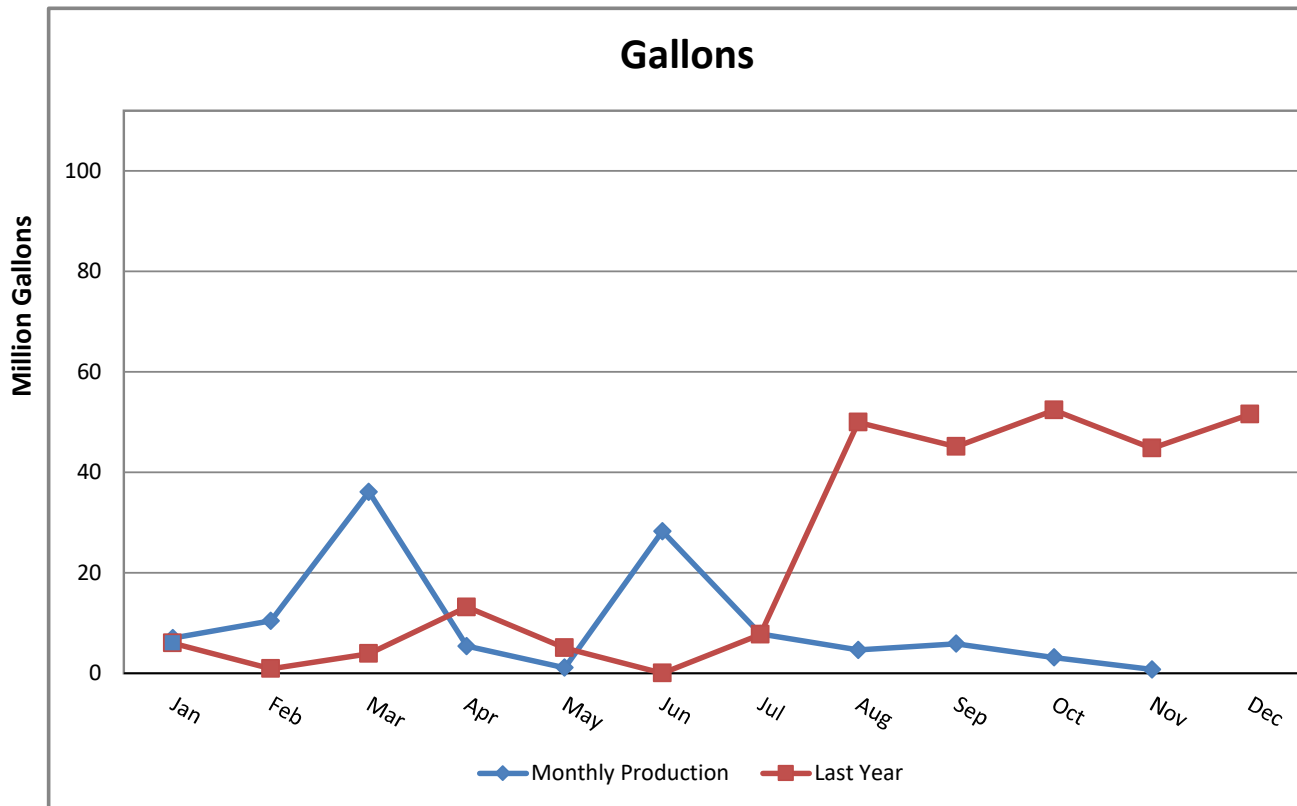
Motor Temp.: 95.1 F
 Hour Meter: 8.20
 KW Hour Total: 50,080
 (KWH total is for the entire facility)

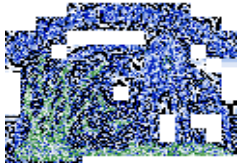
Chlorine:

Dosing: 1.74 mg/L
 Demand: 0.82 mg/L
 Residual: 0.92 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- November 2022

Selected Month Production

794,912 Gallons

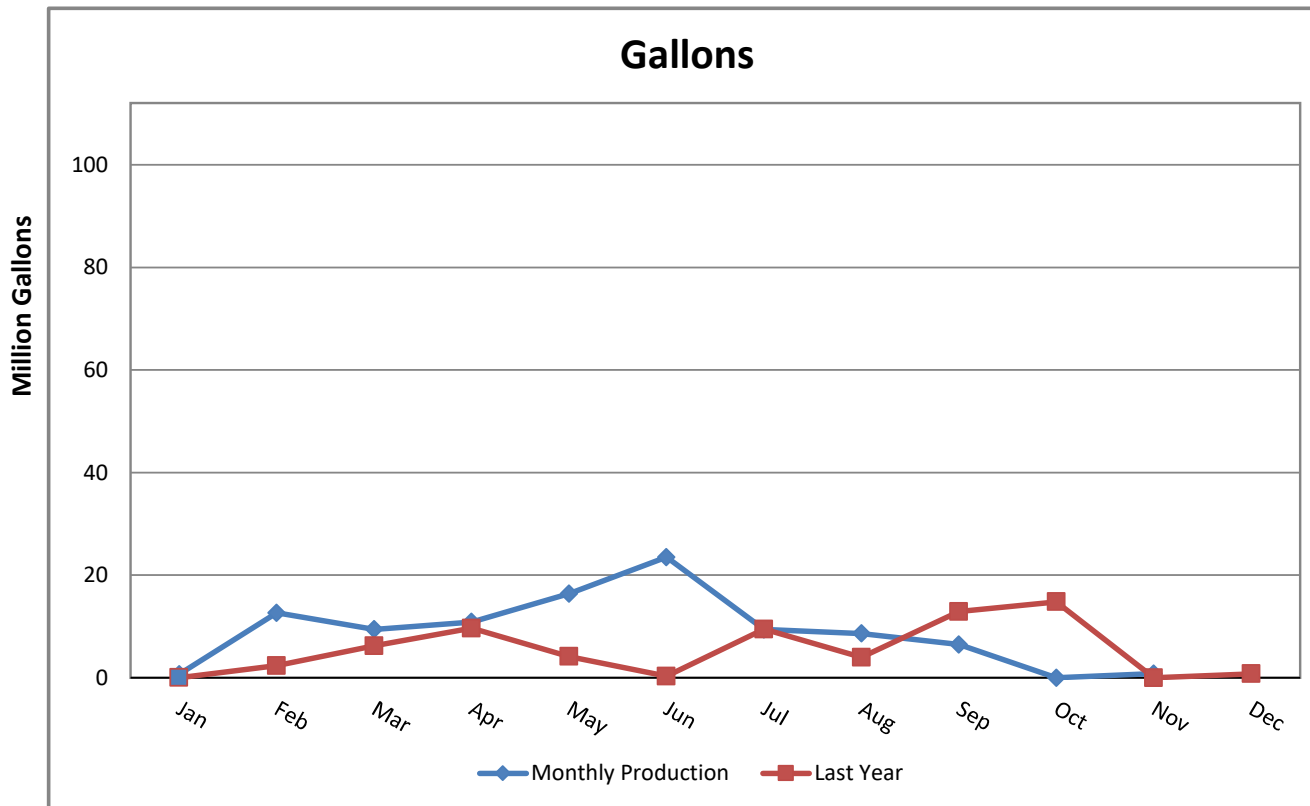
Average GPM: 536
 Pump depth: 150 ft
 Well depth: 564 ft

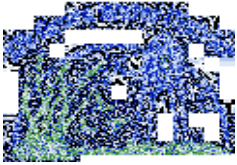
Motor:
 Volts: 463
 Volts (Rated): 460

Amps A: 69
 Amps A (Rated): 65
 Amps B: 67
 Amps B (Rated): 65
 Amps C: 67
 Amps C (Rated): 65

Hour Meter: 24.70
 KW Hour Total: 1,275

Chlorine:
 Dosing: 1.2 mg/L
 Demand: 0.34 mg/L
 Residual: 0.86 mg/L





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- November 2022
(Submersible)

Selected Month Production

19,827,183 Gallons

Average GPM: 488
Pump depth: 150 ft
Well depth: 556 ft

Motor:

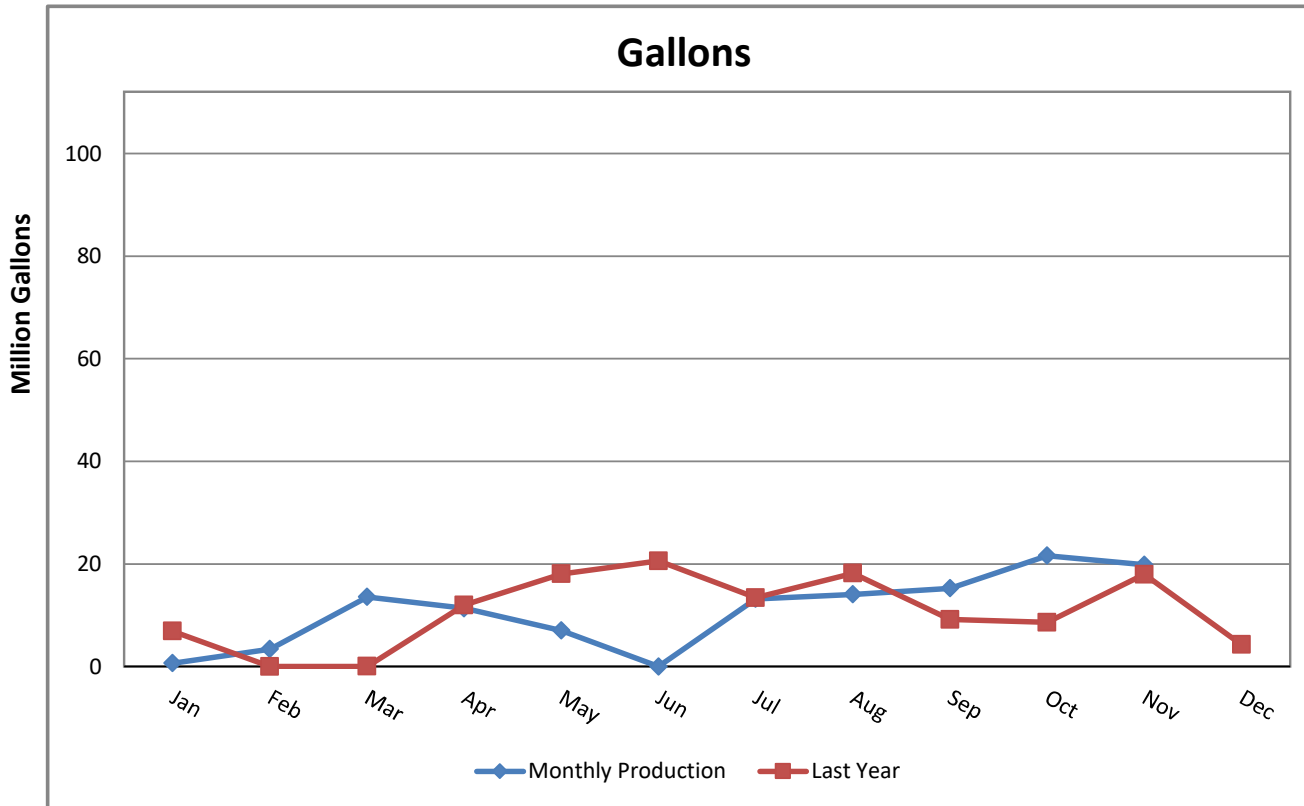
Volts: 485
Volts (Rated): 460

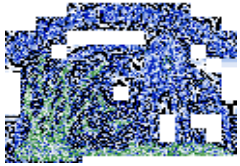
Amps A: 58
Amps A (Rated): 65
Amps B: 58
Amps B (Rated): 65
Amps C: 62
Amps C (Rated): 65

Hour Meter: 676.70
KW Hour Total: 26,759

Chlorine:

Dosing: 1.11 mg/L
Demand: 0.25 mg/L
Residual: 0.86 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- November 2022

Selected Month Production

422,804 Gallons

Average GPM: 915
 Pump depth: 200 ft
 Well depth: 500 ft

Motor:

Volts: 480
 Volts (Rated): 460
 RPM: 1784
 RPM (Rated): 1785
 Amps A: 105
 Amps A (Rated): 141
 Amps B: 106
 Amps B (Rated): 141
 Amps C: 107
 Amps C (Rated): 141

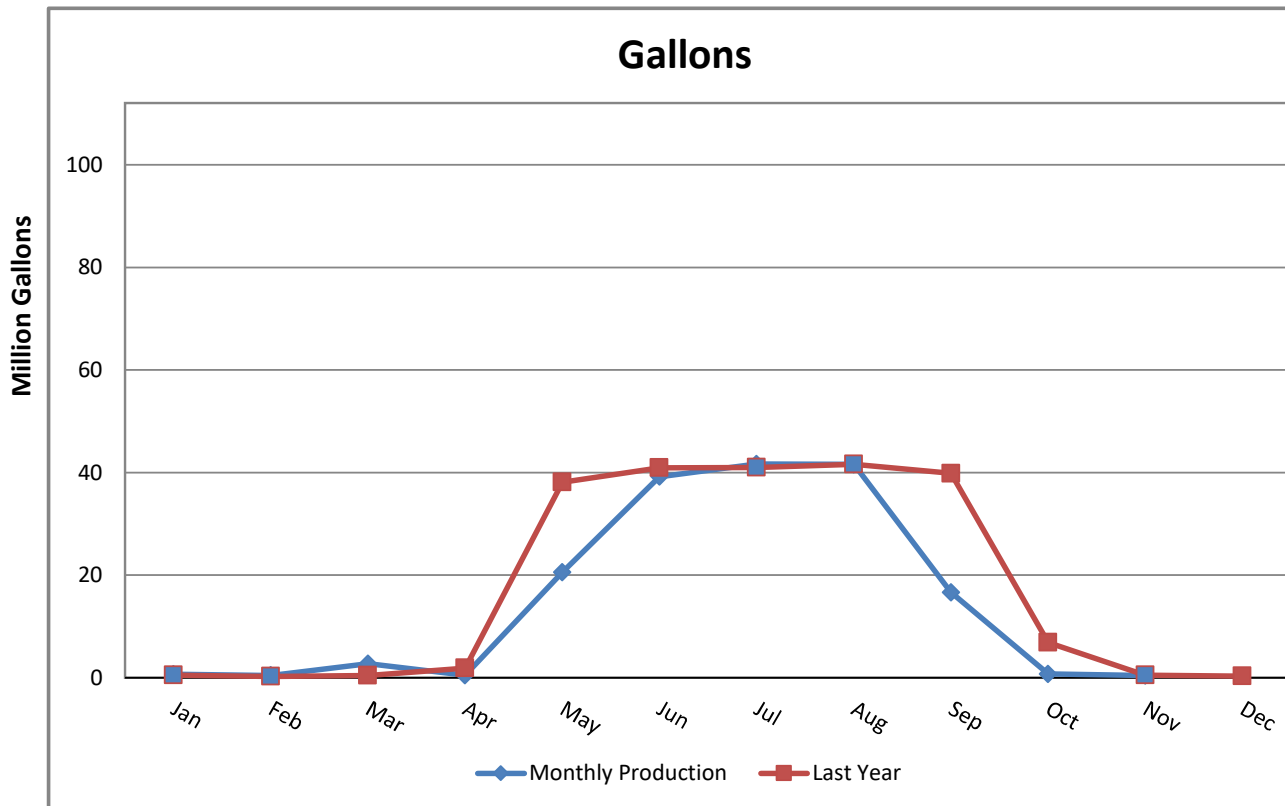
Motor Temp.: 130.4 F
 Hour Meter: 7.7
 KW Hour Total: 1,560

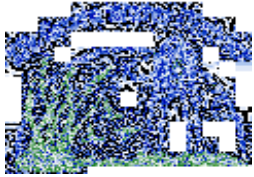
Chlorine:

Dosing: 2.17 mg/L
 Demand: 1.55 mg/L
 Residual: 0.62 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

Nov-2022

Current Month Production:

76,517,155 Gallons

Highest Day Demand of the Month:

3,363,490

Date of Occurrence

1-Nov-22

Highest Day Demand of the Calendar Year:

6,200,244

Date of Occurrence

6-Sep-22

"Water Year" Rainfall: (Oct-22 to Sep-23)

Current Month: 0.95 in

Year To Date: 0.95 in

"Water Year" Rainfall: (Oct-21 to Sep-22)

November 2021: 0.68 in

Year To Date: 7.39 in

Entire Year Total: 16.82 in

Temperature:

This Month High: 71 F

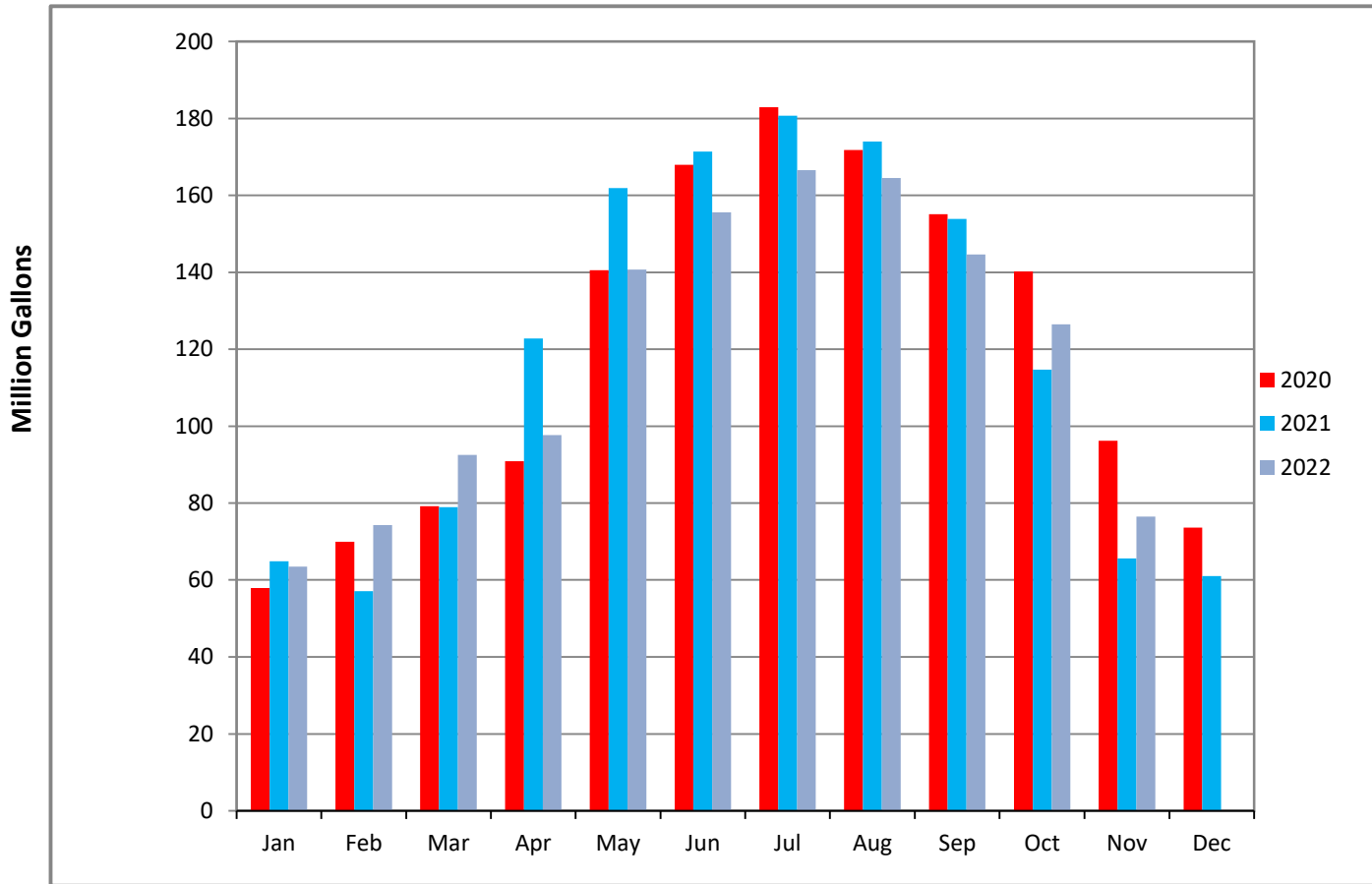
This Month Low: 30 F

This Month Average: 50.3 F

NOV-21 High: 72 F

NOV-21 Low: 35 F

NOV-21 Average: 54.05 F

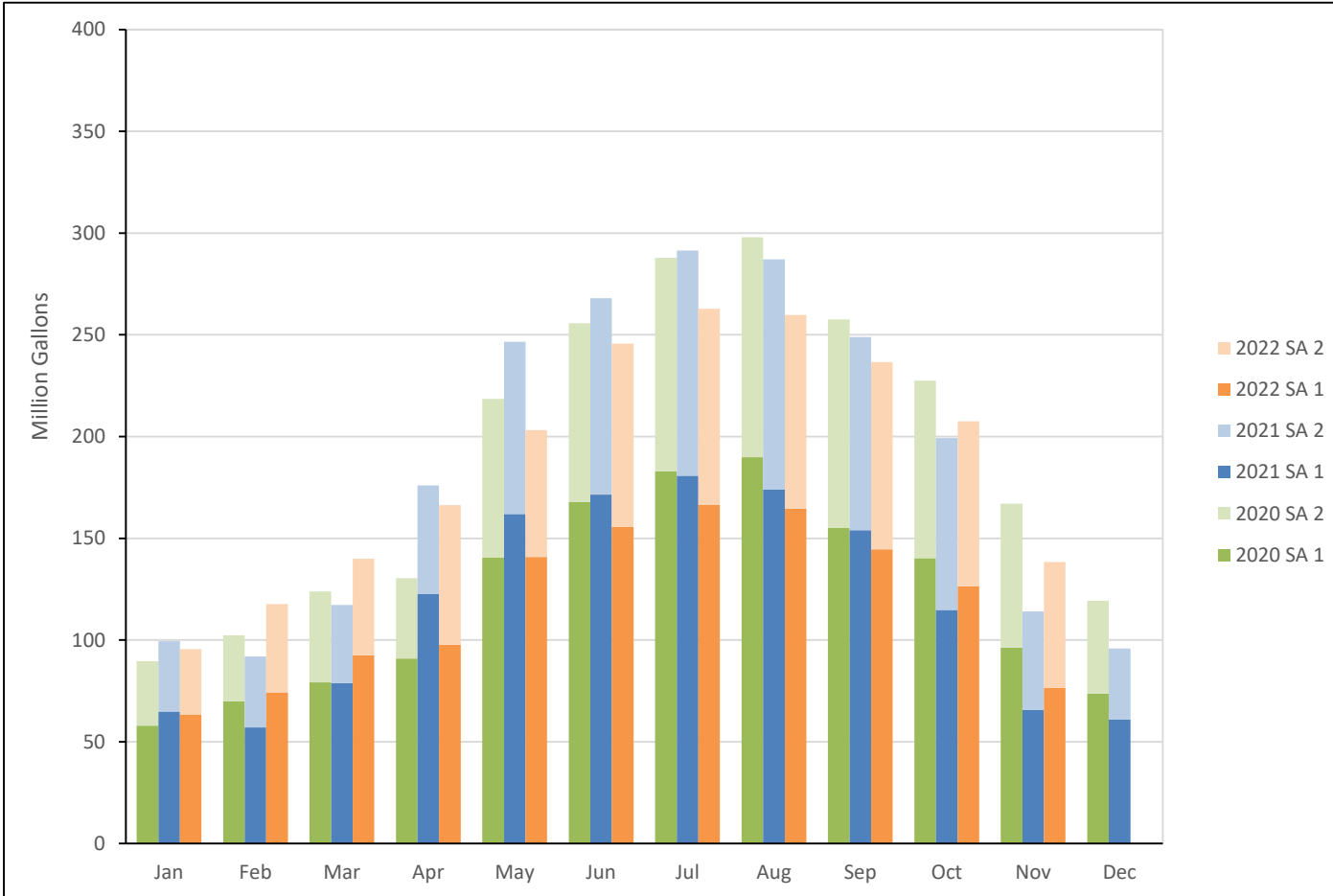




Elk Grove Water District

Total Demand/Production

Nov-2022



Current Month Demand/Production:
 138,302,703 Gallons
***Change From November 2020:** -17.22%
GPCD: 98.1 Gallons per Day
R-GPCD: 76.3 Gallons per Day

Service Area 1
Active Connections: 7,937
Current Month Demand/Production:
 76,517,155 Gallons
***Change From November 2020:** -20.46%
GPCD: 88.9 Gallons per Day
R-GPCD: 69.3 Gallons per Day

Service Area 2
Active Connections: 4,920
Current Month Demand/Production:
 61,785,548 Gallons
***Change From November 2020:** -12.83%
GPCD: 112.6 Gallons per Day
R-GPCD: 87.3 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	96,201,714	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
Total	89,648,467	102,336,927	123,960,245	130,374,825	218,540,548	255,702,242	287,764,009	297,979,020	257,561,085	227,416,870	167,078,454	119,201,638	2,277,564,330

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
Total	99,434,490	91,955,724	117,173,426	175,916,035	246,629,449	267,950,023	291,555,659	287,066,169	248,899,609	199,287,108	114,109,630	95,894,373	2,235,871,695

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		1,302,921,649
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		770,372,680
Total	95,585,095	117,611,991	139,936,296	166,231,609	203,242,647	245,707,926	262,743,099	259,812,727	236,634,684	207,485,552	138,302,703	0	2,073,294,329

----- Monthly Percent Change - Comparing 2020 to 2022 -----

% Change	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	9.61%	6.18%	16.78%	7.48%	0.12%	-7.35%	-8.95%	-13.32%	-6.76%	-9.81%	-20.46%	-	-
Purchased (SA2)	1.17%	33.79%	6.00%	73.54%	-19.84%	2.68%	-8.26%	-11.90%	-10.18%	-7.09%	-12.83%	-	-
Total	6.62%	14.93%	12.89%	27.50%	-7.00%	-3.91%	-8.69%	-12.81%	-8.12%	-8.76%	-17.22%	-	-
% Cumulative Change	6.62%	11.05%	11.77%	16.37%	8.69%	5.19%	1.88%	-1.02%	-2.06%	-2.83%	-3.94%	-	-

15

*Notes

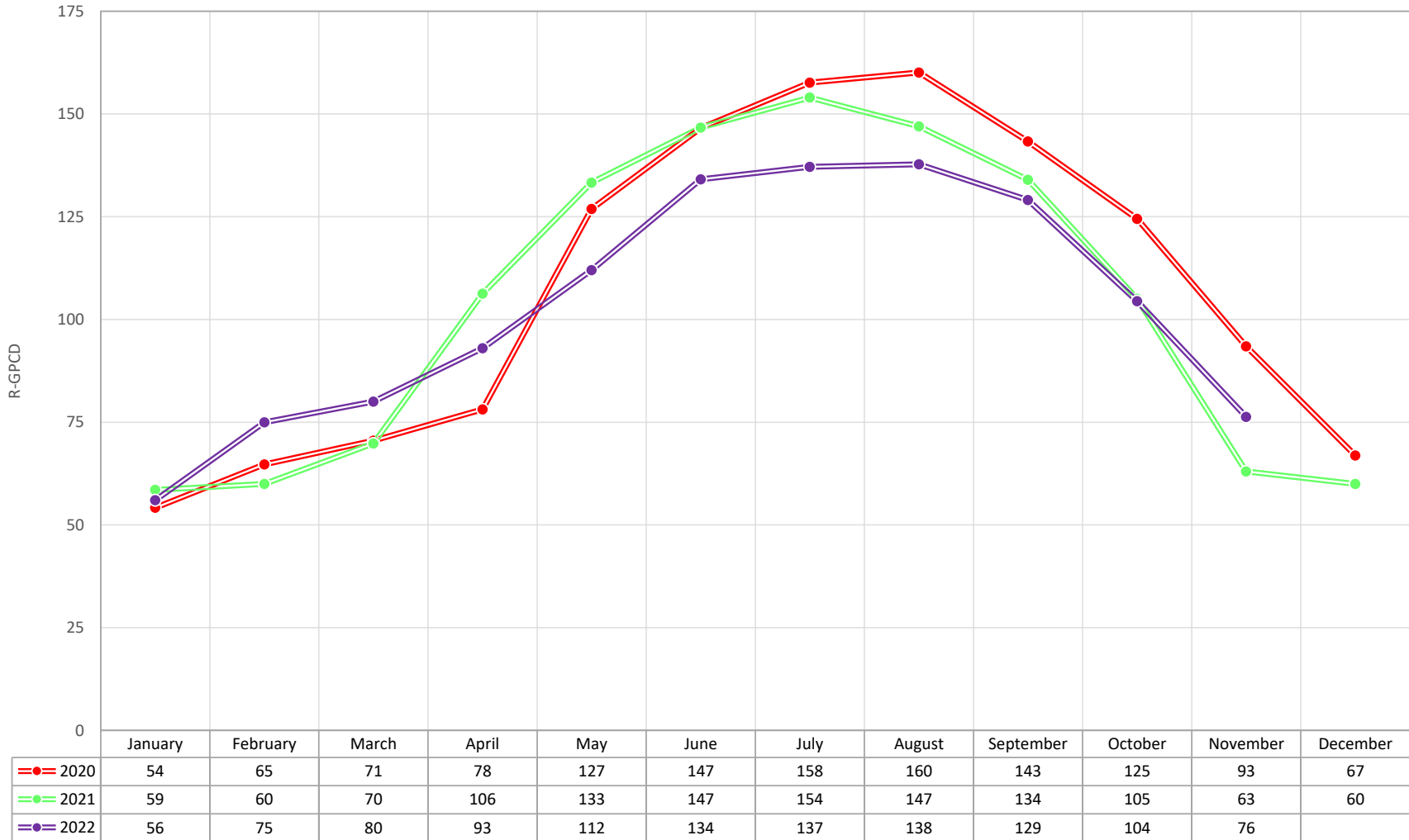
- 2020 August production number for SA1 includes water delivered through open interties with SA2.
- SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.
- Charlois and Springhurst Intertie 18,000,000 Gallons
- Charlois Intertie (Aug 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	
2022	# Accts	CCF	Gallons
Jan	4,902	42,935	32,115,380
Feb	4,906	57,981	43,369,788
Mar	4,908	63,439	47,452,372
Apr	4,908	91,696	68,588,608
May	4,908	83,549	62,494,652
Jun	4,912	120,469	90,110,812
Jul	4,889	128,538	96,146,424
Aug	4,912	127,406	95,299,688
Sep	4,912	122,998	92,002,504
Oct	4,912	108,298	81,006,904
Nov	4,920	82,601	61,785,548
Dec			

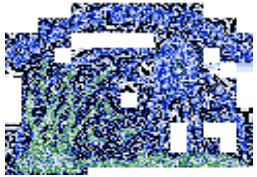


EGWD COMBINED R-GPCD

—●— 2020 —●— 2021 —●— 2022



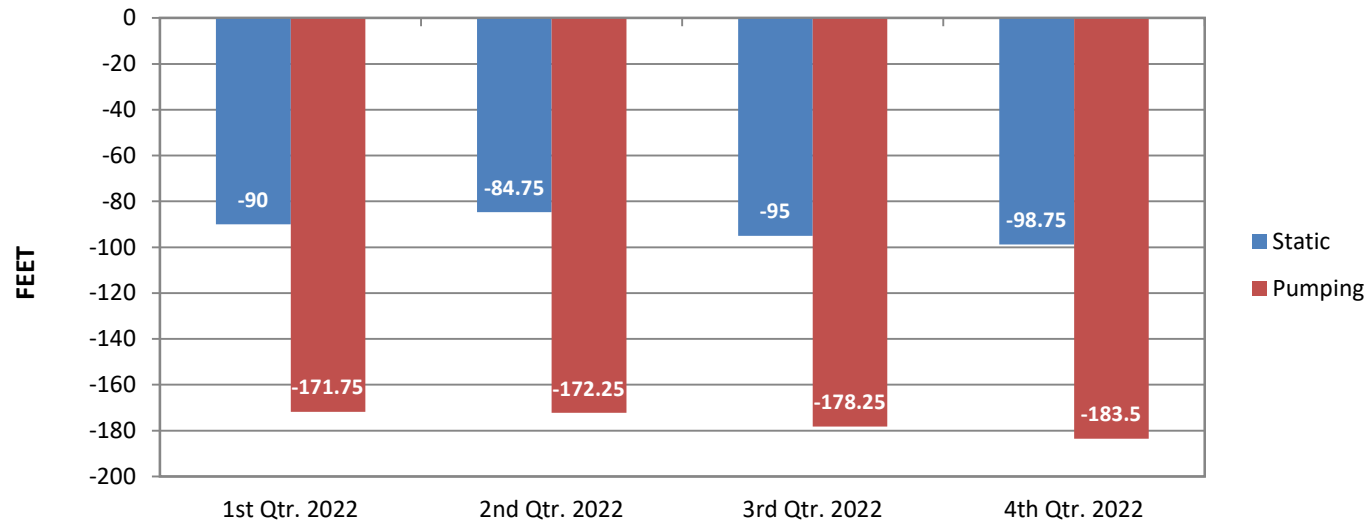
R-GPCD = Residential Gallons per Capita per Day



Elk Grove Water District

Static and Pumping Levels

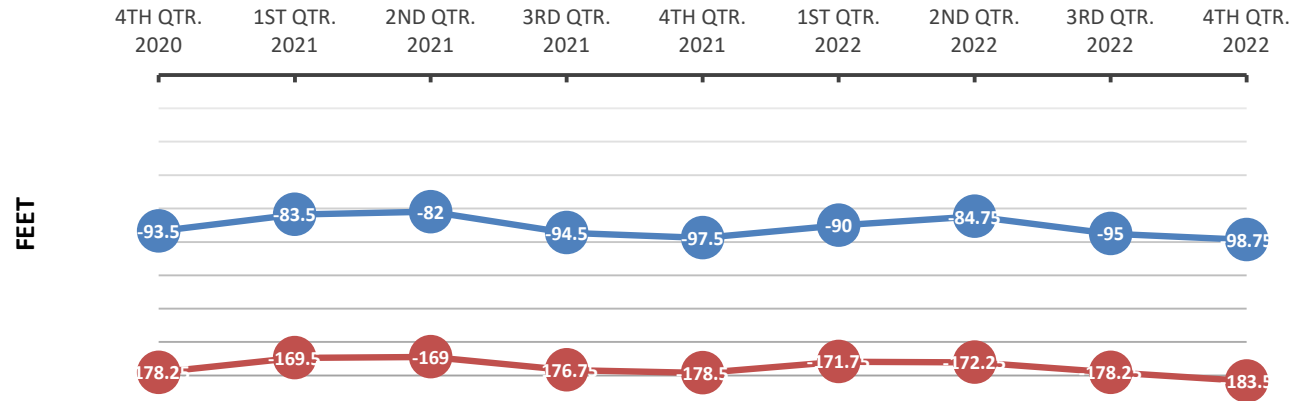
Well 1D School St



Latest Well Sounding

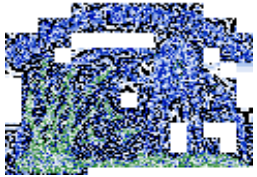
Static:	98.75 Ft
Pumping:	183.5 Ft
Drawdown:	84.75 Ft
GPM:	1,698
Specific Capacity:	20.031

Sounding Quarter/Year



Latest Sand Tester Results:

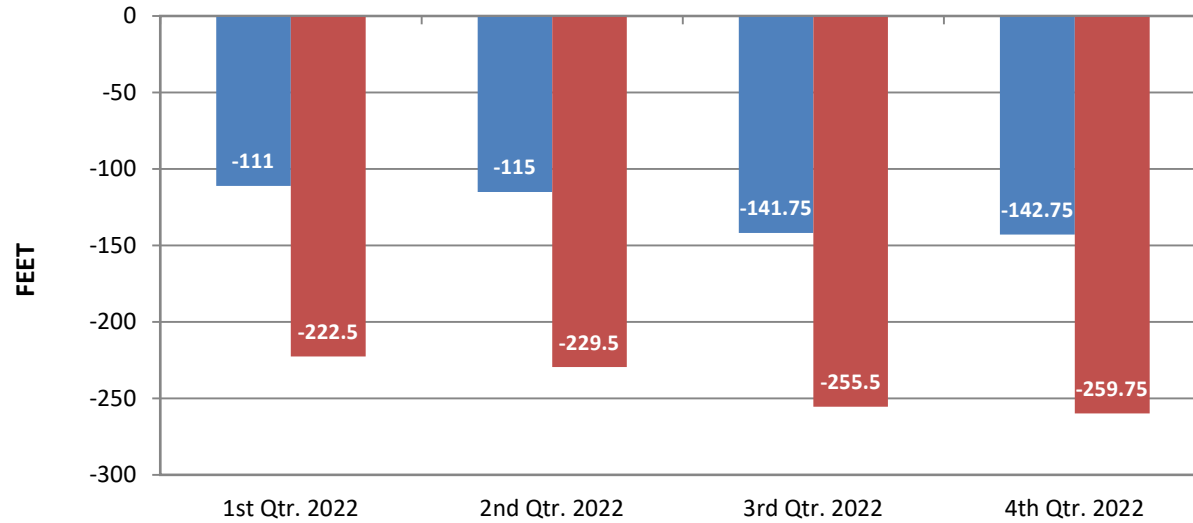
15 Min: -- ppm



Elk Grove Water District

Static and Pumping Levels

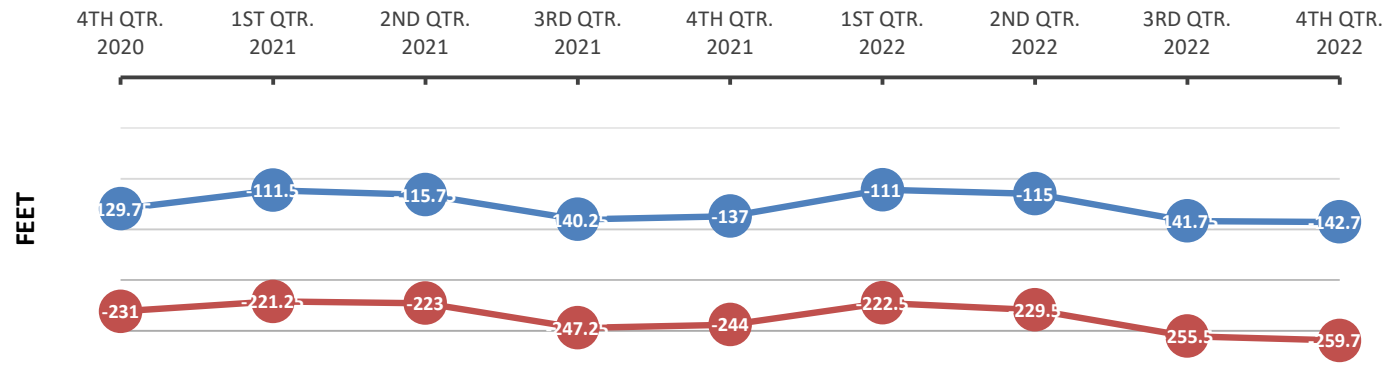
Well 4D Webb St



Latest Well Sounding

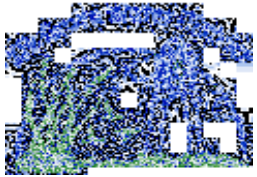
Static:	142.75 Ft
Pumping:	259.75 Ft
Drawdown:	117 Ft
GPM:	1,730
Specific Capacity:	14.786

Sounding Quarter/Year



Latest Sand Tester Results:

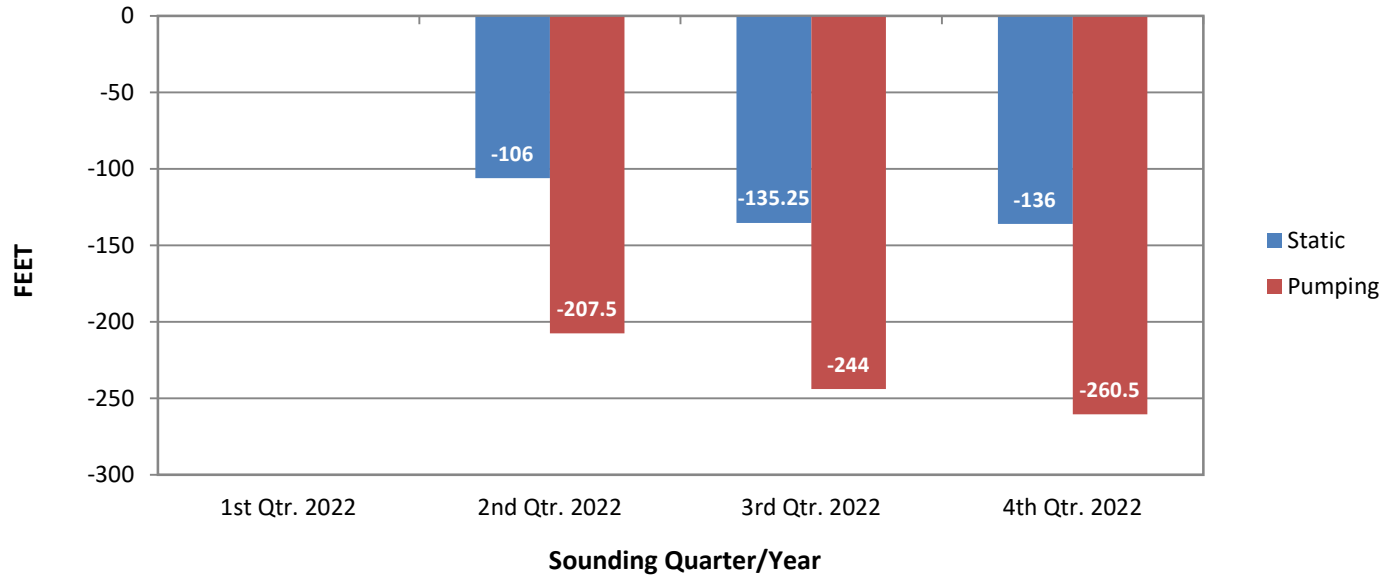
15 Min: -- ppm



Elk Grove Water District

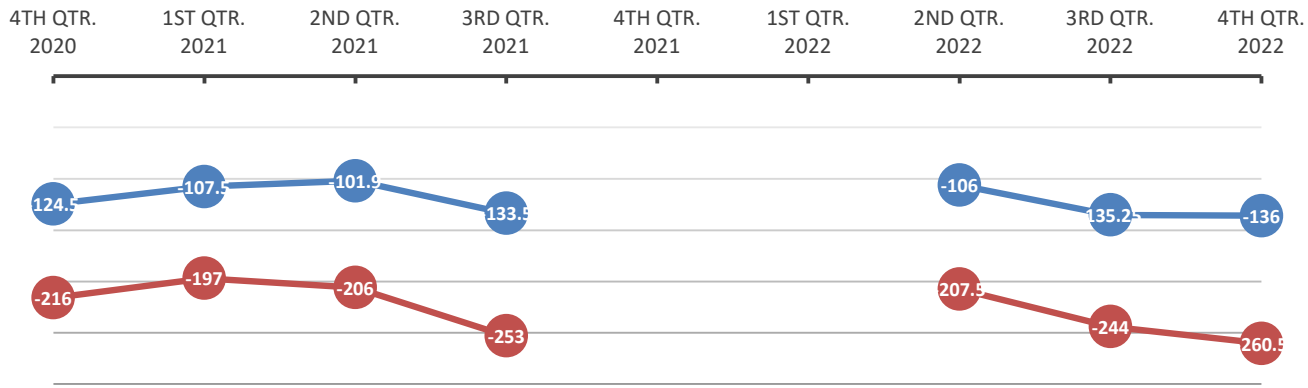
Static and Pumping Levels

Well 11D Dino



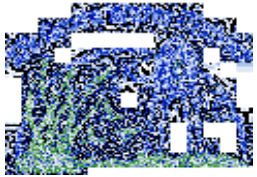
Latest Well Sounding

Static: 136 Ft
Pumping: 260.5 Ft
Drawdown: 124.5 Ft
GPM: 1,742
Specific Capacity: 13.991



Latest Sand Tester Results:

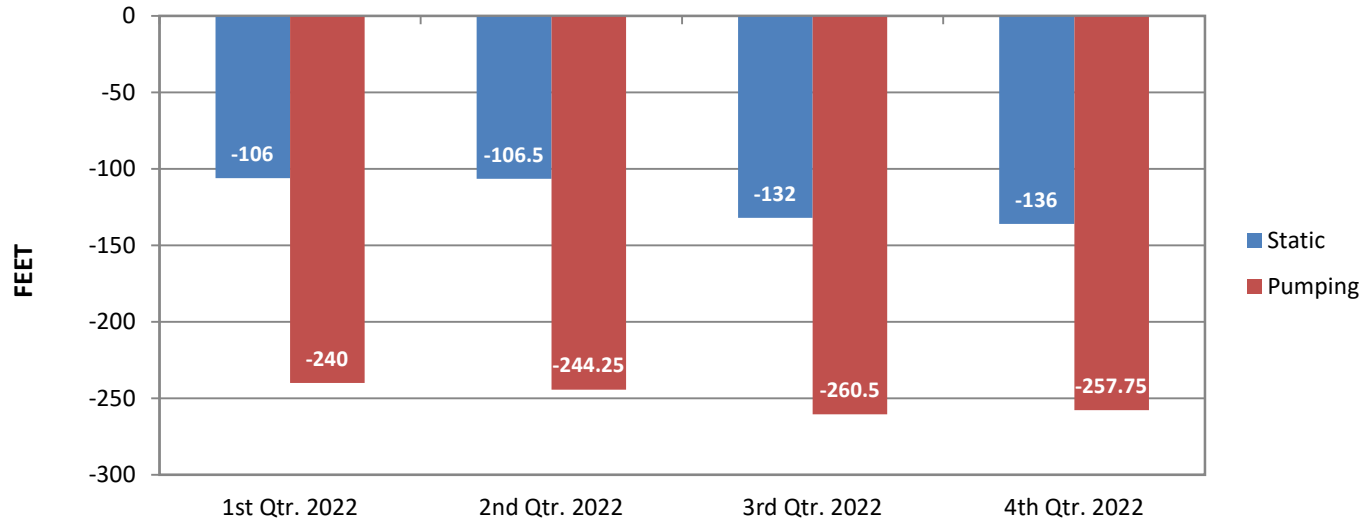
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

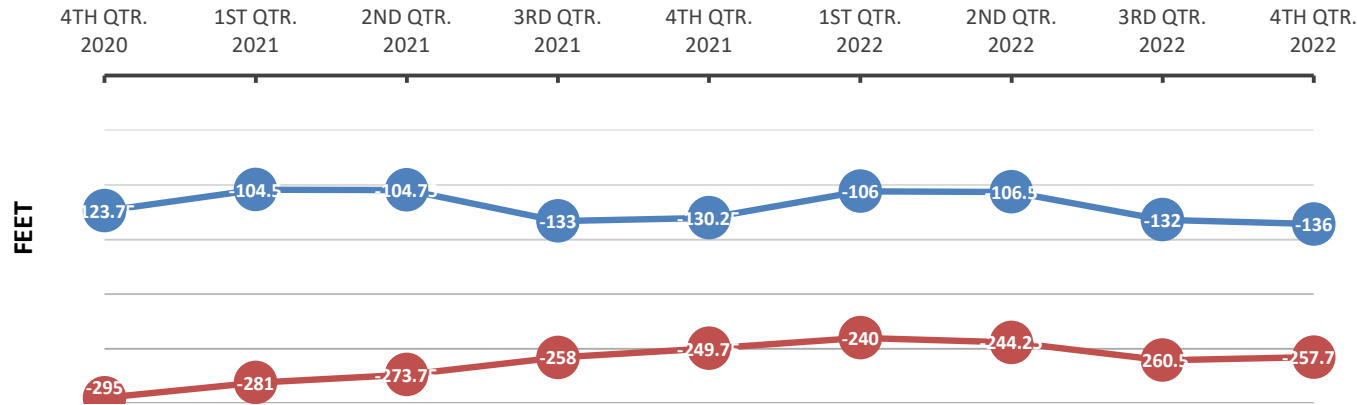
Well 14D Railroad



Latest Well Sounding

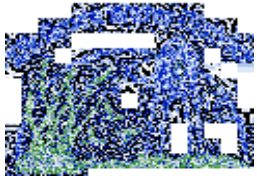
Static:	136 Ft
Pumping:	257.75 Ft
Drawdown:	121.75 Ft
GPM:	1,374
Specific Capacity:	11.286

Sounding Quarter/Year



Latest Sand Tester Results:

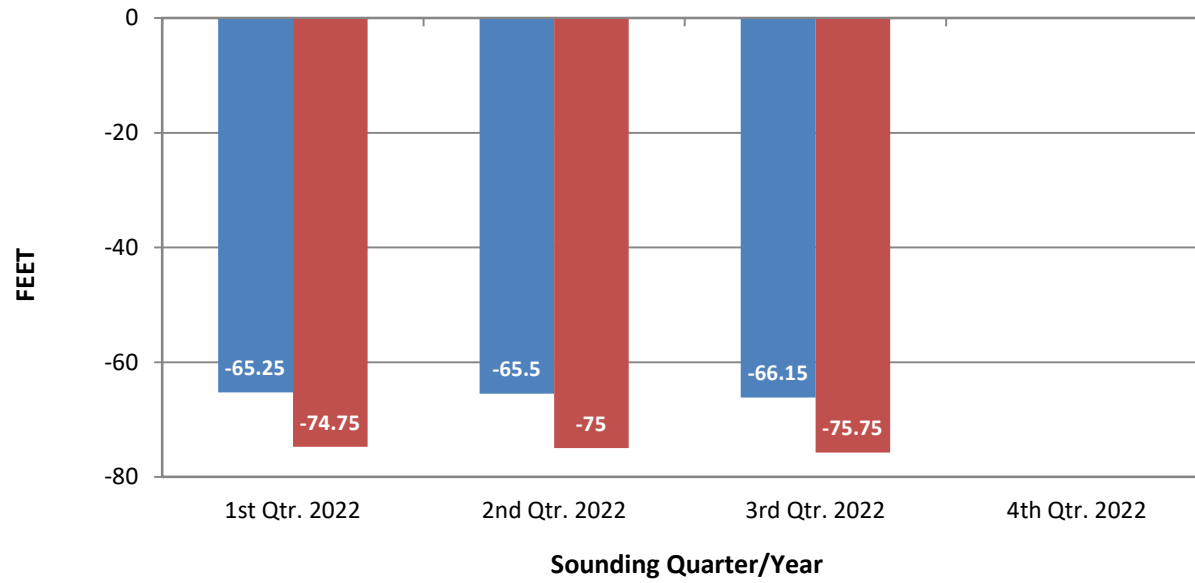
15 Min: -- ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson



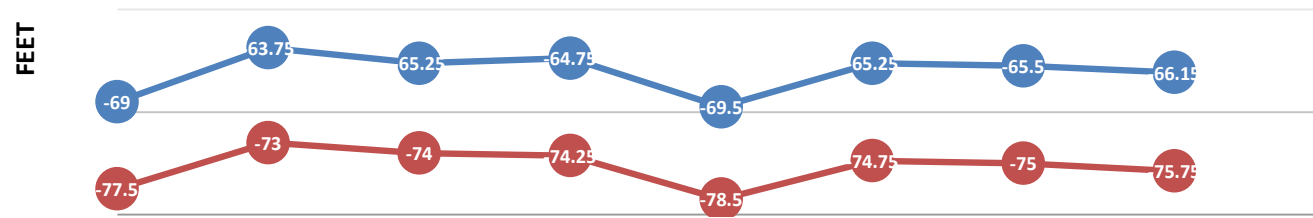
Latest Well Sounding

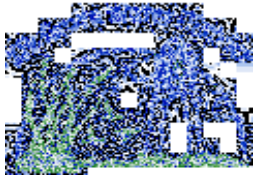
Static:	66.15 Ft
Pumping:	75.75 Ft
Drawdown:	9.6 Ft
GPM:	547
Specific Capacity:	56.965

4TH QTR. 2020 1ST QTR. 2021 2ND QTR. 2021 3RD QTR. 2021 4TH QTR. 2021 1ST QTR. 2022 2ND QTR. 2022 3RD QTR. 2022 4TH QTR. 2022

Latest Sand Tester Results:

15 Min: < 5 ppm

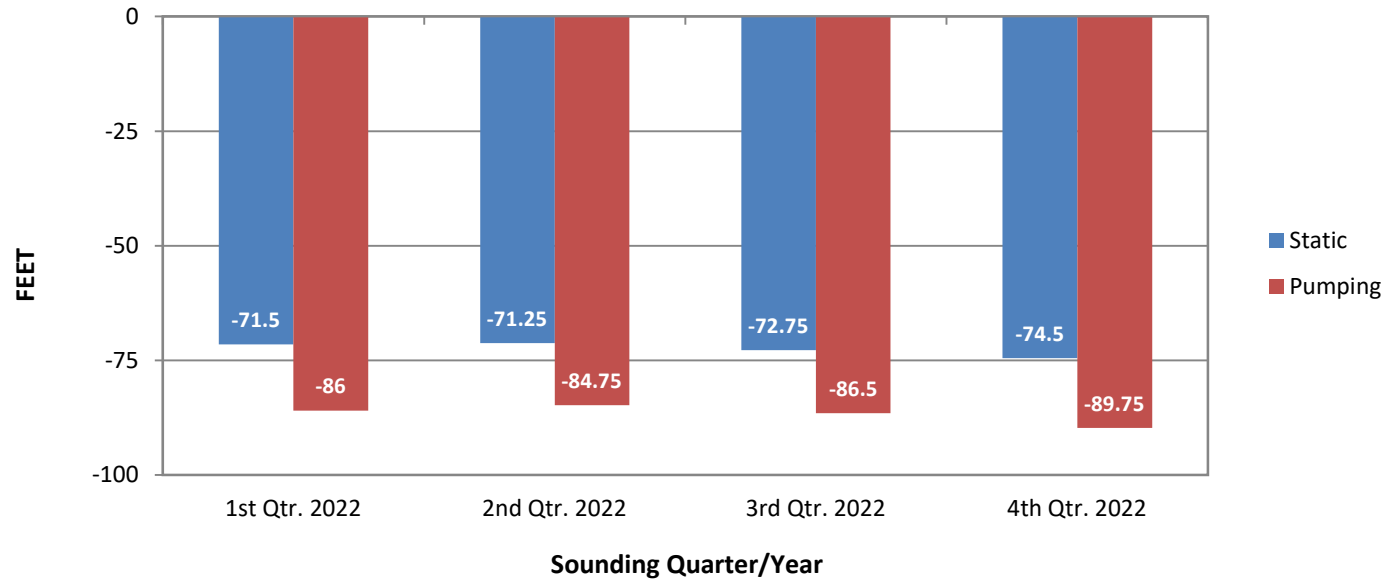




Elk Grove Water District

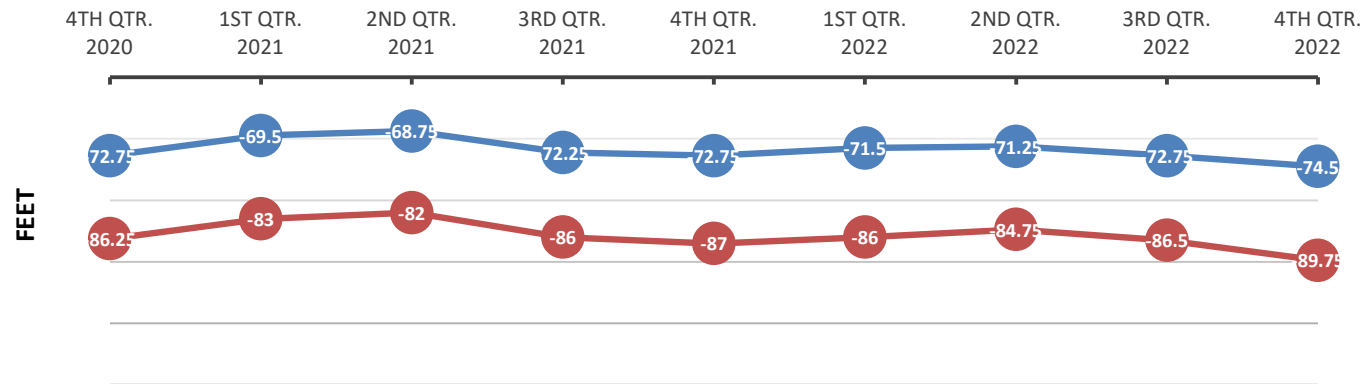
Static and Pumping Levels

Well 9 Polhemus



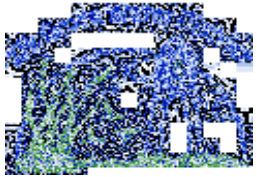
Latest Well Sounding

Static:	74.5 Ft
Pumping:	89.75 Ft
Drawdown:	15.25 Ft
GPM:	493
Specific Capacity:	32.313



Latest Sand Tester Results:

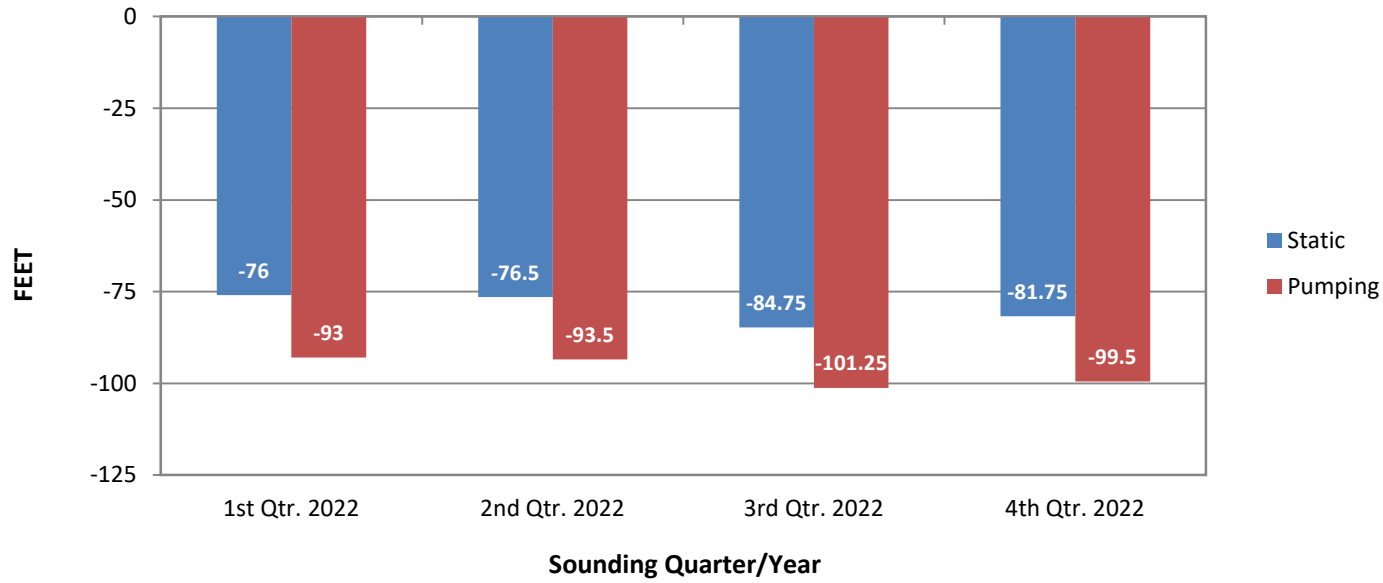
15 Min: -- ppm



Elk Grove Water District

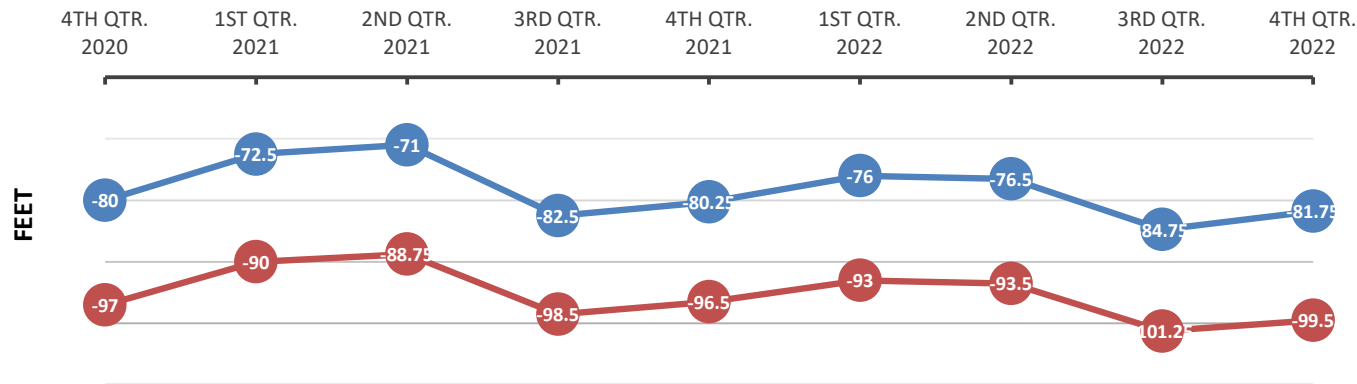
Static and Pumping Levels

Well 13 Hampton



Latest Well Sounding

Static:	81.75 Ft
Pumping:	99.5 Ft
Drawdown:	17.75 Ft
GPM:	969
Specific Capacity:	54.591



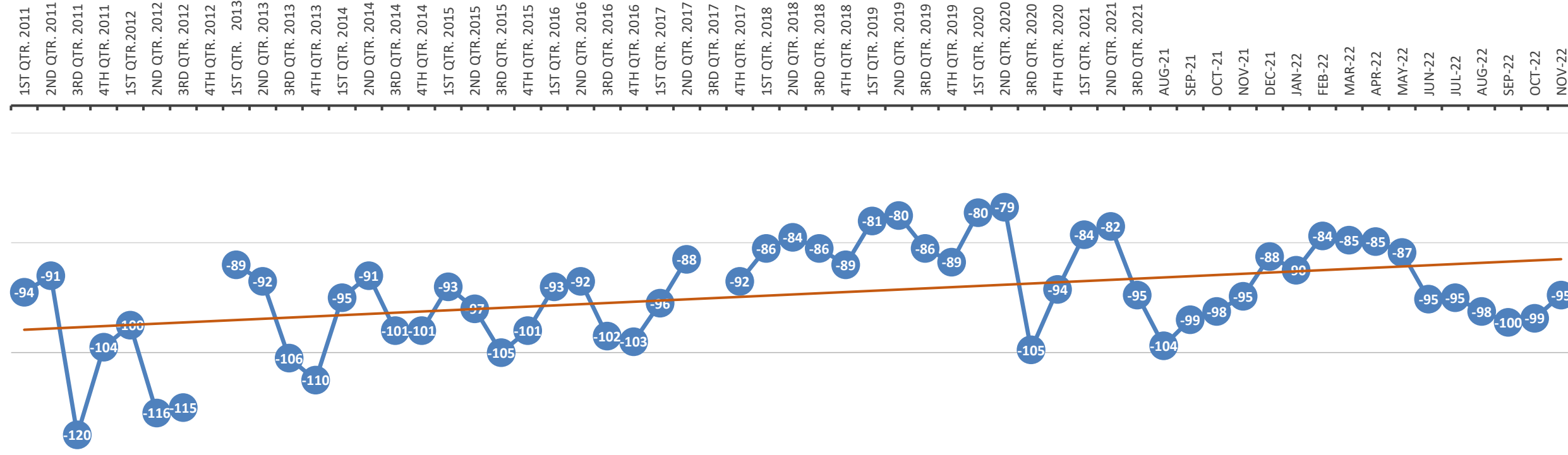
Latest Sand Tester Results:

15 Min: -- ppm

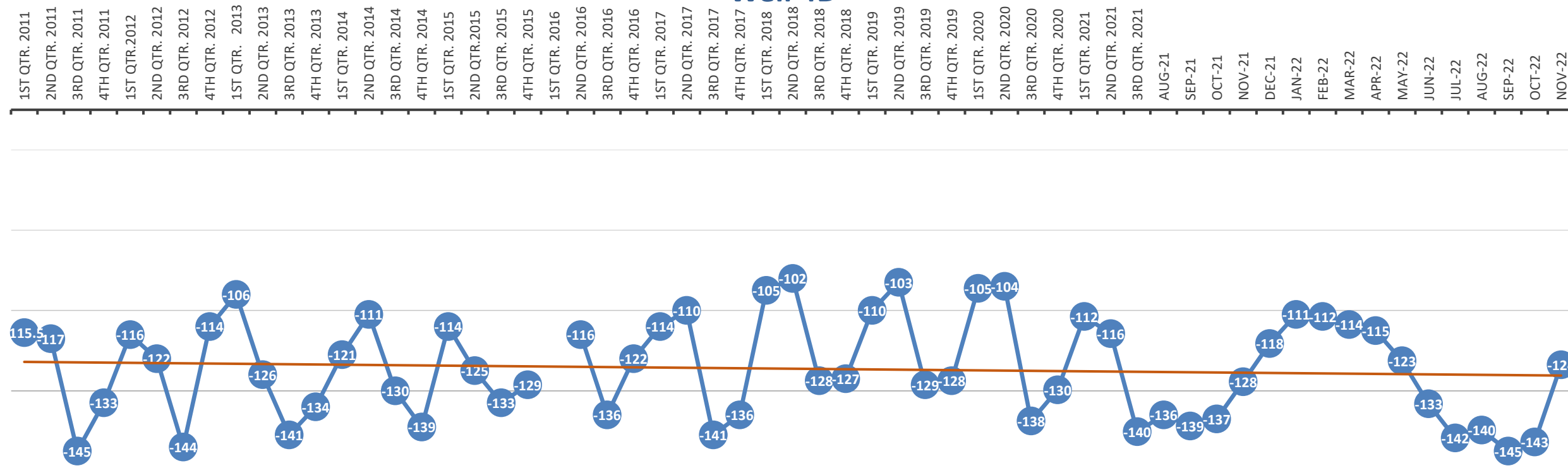


Historic Static Well Levels

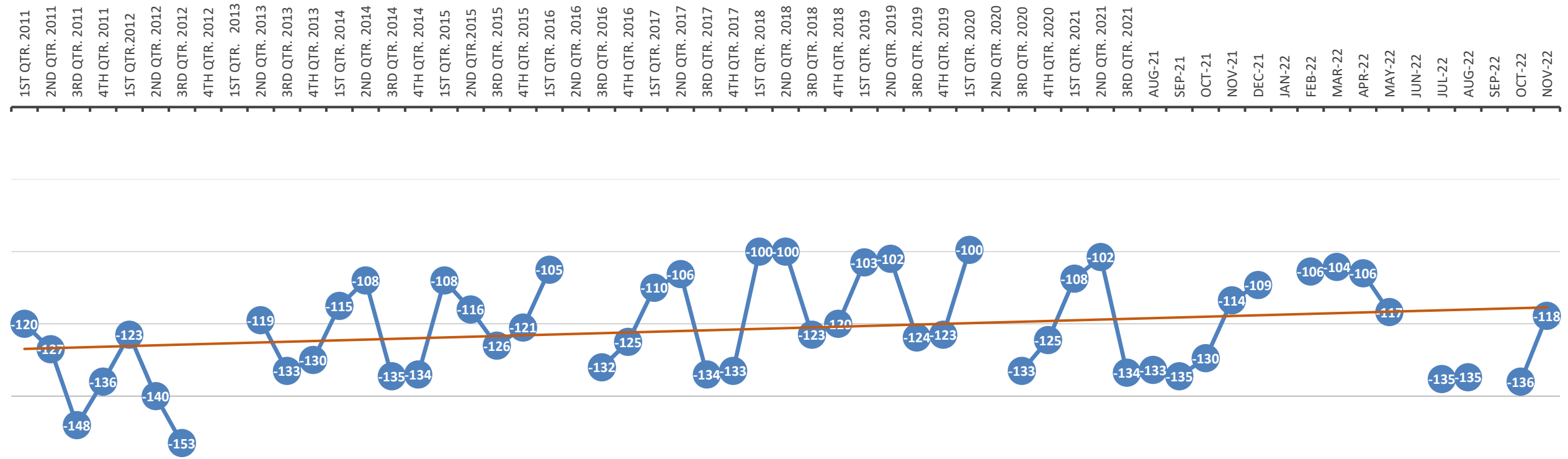
Well 1D



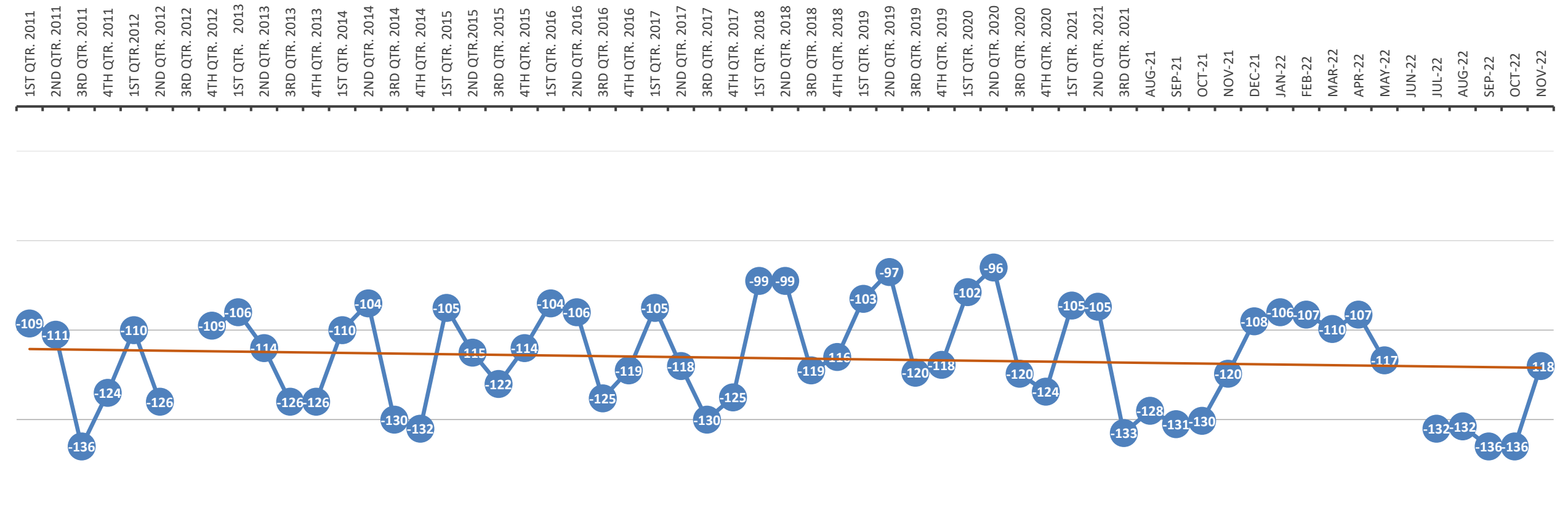
Well 4D



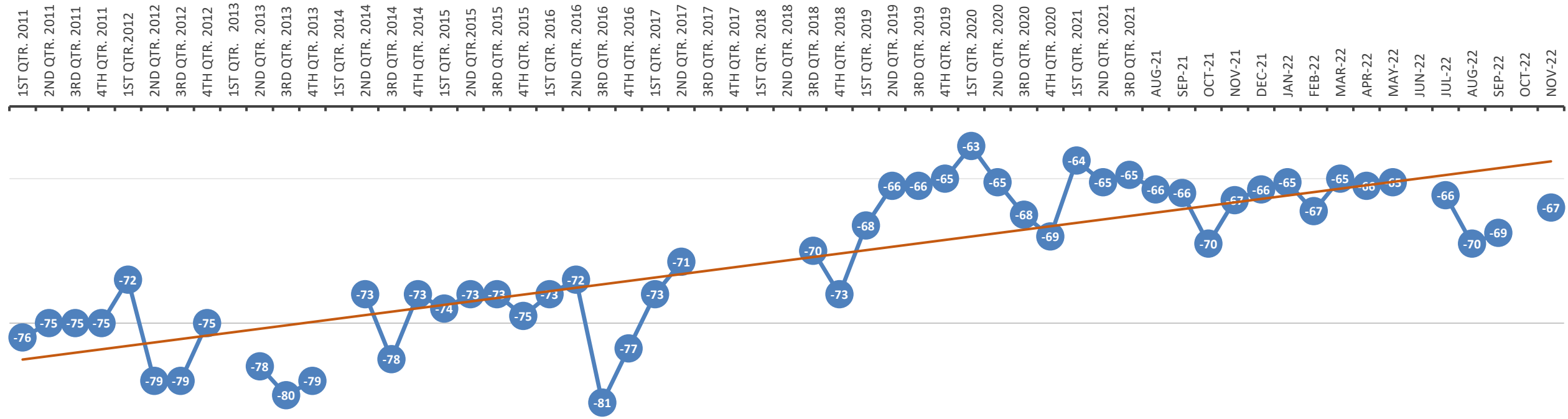
Well 11D



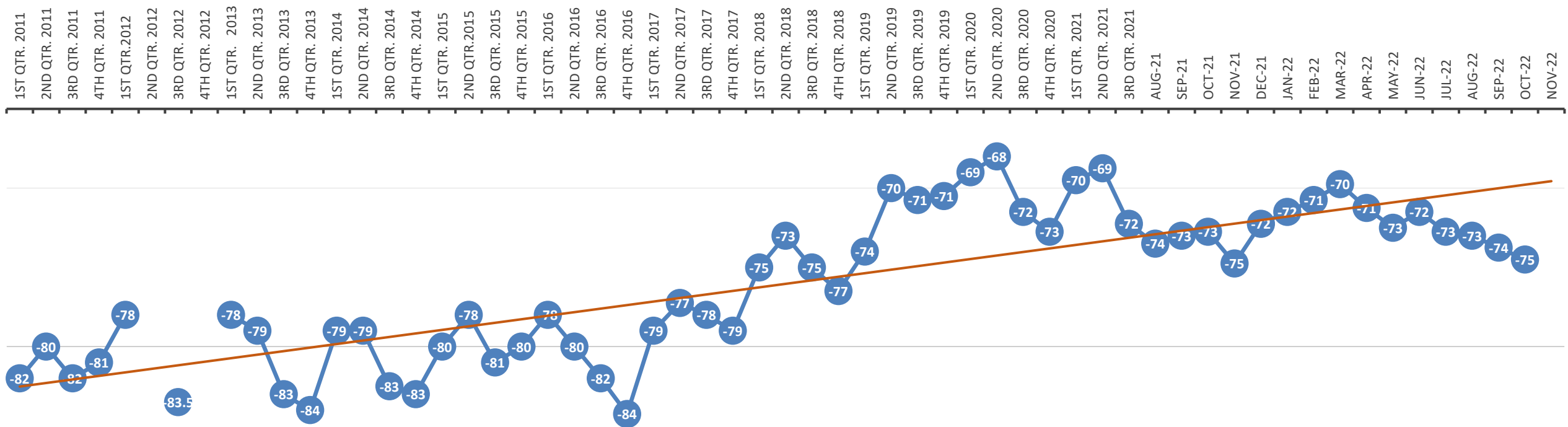
Well 14D



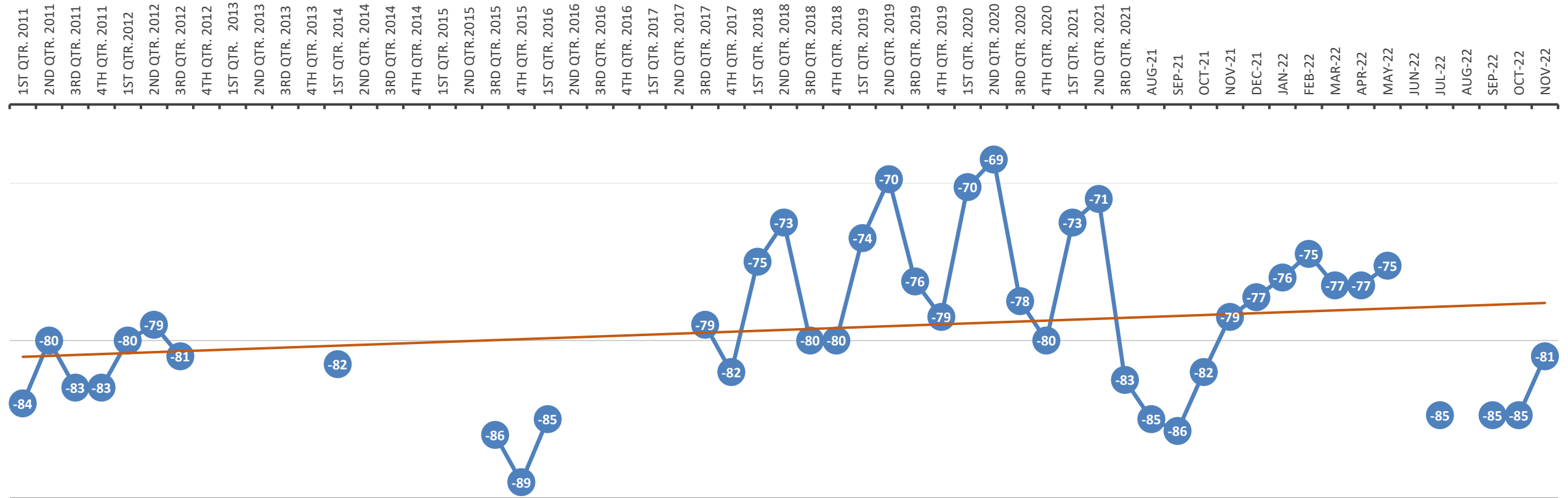
Well 8



Well 9



Well 13



Monthly Sample Report - November 2022
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: School Well 01D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
--------------------	---------------------	--------------------	------------------------------

Sampling Point: 02 - 9425 Emerald Vista

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 03 - 8809 Valley Oak

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/21/2022	Source Water	Threshold Odor	Quarterly

Sampling Point: 04 - 10122 Glacier Point

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 07 - Al Gates Park Mainline Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week
11/7/2022	Distribution System	Fluoride	Week

Sampling Point: - Williamson Well 8 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
			Quarterly

Sampling Point: 08 - 9436 Hollow Springs Wy.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: Polhemus Well 9 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
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Sampling Point: 09 - 8417 Blackman Wy.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 11 - 9907 Kapalua Ln.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: 12-9205 Meadow Grove Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Distribution System	Bacteriological	Week
11/15/2022	Distribution System	Bacteriological	Week
11/22/2022	Distribution System	Bacteriological	Week
11/29/2022	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/22/2022	Source Water	Threshold Odor	Quarterly

Sampling Point: Hampton Well 13 - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Source Water	Fe, Mn, As, Total	Weekly
11/14/2022	Source Water	Fe, Mn, As, Total	Weekly
11/21/2022	Source Water	Fe, Mn, As, Total	Weekly
11/28/2022	Source Water	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Effluent

Sample Date	Sample Class	Sample Name	Collection Occurrence
11/7/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
11/14/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
11/21/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
11/28/2022	Treated Effluent	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Backwash Tank

Sample Date	Sample Class	Sample Name	Collection Occurrence
			BiAnnual

Sampling Point: Railroad Well 14D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
			Quarterly

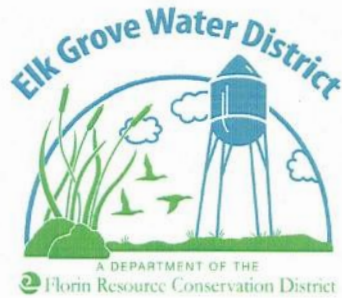
Sampling Point: Railroad WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
11/21/2022	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month

Sampling Point: Railroad WTP Backwash Tank			
Sample Date	Sample Class	Sample Name	Collection Occurrence
			BiAnnual

Sampling Point: Special Distribution/Construction Samples			
Sample Date	Sample Class	Sample Name	Collection Description
11/17/2022	Distribution System	Bacteriological	Sierra St CIP
11/17/2022	Source Water	Bacteriological	Well #8 Motor Replacement
11/21/2022	Source Water	Bacteriological	Well #8 Motor Replacement
11/29/2022	Process Water	Cam 17	Filter train "D"

32

<u>Colors</u>	<u>Monthly Total</u>	<u>Yearly Total</u>
Black = Scheduled	60	810
Green = Unscheduled	4	66
Red = Incomplete Sample	0	



December 6, 2022

Sacramento Regional County
Sanitation District
Environmental Specialist
10060 Goethe Rd.
Sacramento, CA. 95827

WASTEWATER DISCHARGE COMPLIANCE REPORT FORM

Enclosed is the Wastewater Discharge Compliance Report Form from Elk Grove Water District November 2022.

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 located below the contact information.

STEVE SHAW
WATER TREATMENT SUPERVISOR

COMPLIANCE REPORT FORM

Attn: Ursula Bigler	E-mail: bigleru@sacsewer.com	Wastewater Source Control Section
Phone (916) 875-9093		Fax (916) 875-6374
From: Steve Shaw		
Company: Elk Grove Water District		Permit #: WTP010

The following reports and information are attached (check all that apply):

Month:	November	Year:	2022
---------------	-----------------	--------------	-------------

Water use/flow meter report

	Total Gallons
Hampton WTP	22,137
Railroad WTP	0
Analyzer Water	34,560

Monitoring results/analytical report

Discharge Rate

Check the statement below that applies to this report:

Based on a review of this facility's flow data, 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 (Flow or pH meter, etc.)

Other (describe):

Domestic Calculation

Domestic Usage	Number of Employees	Business Days per Month	Allowance (gallons per day)	Gallons
Production	11	17	15	2,805
Office	3	17	10	510
Drivers/Field	2	17	3	102
Total				3,417

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:

December 6, 2022



December 5, 2022

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th 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 November 2022.

If you have any further questions, you may contact me at 916-585-9386.

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	
Month <p style="text-align: center; font-size: 1.2em; color: blue;">November</p>	Year <p style="text-align: center; font-size: 1.2em;">2022</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> Negative (see notes 10 and 11)		0	0	0
3. Repeat Samples following Routine Samples that are Total Coliform Positive and <i>E. coli</i> Positive (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] =			%	
c. Did the system trigger... a Level 2 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 Level 1 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: Steve Shaw				
Signature 	Title <p style="text-align: center; font-size: 1.2em;">Water Treatment Supervisor</p>	Date <p style="text-align: right; font-size: 1.2em;">12/5/2022</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.** 36



December 5, 2022

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th 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 November 2022.

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

Elk Grove Water District

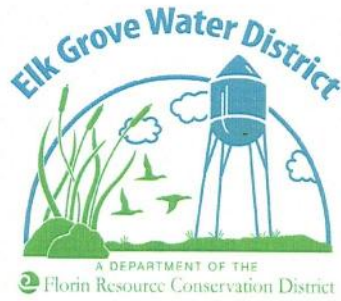
Hampton GWTP Monthly Report

PWS Number
GWTP Name

3410008-013
Hampton Water Treatment Plant

Month: November

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)						Weekly Average		
							Date	Fe, R	Fe, T	Mn, R	Mn, T	As, R	As, T	Inf. pH	Eff. pH
last day	24609.7		441553844		30583489	37349120									
1	24609.7	0	441553844	0	30583489	37349120	11/8/2021	0	0.018	0.01	0.003	<2	<1	Inf. pH Eff. pH	
2	24609.7	0	441553844	0	30583489	37349120	11/14/2021	0.01	0.115	0.033	0.017	2	<2	Week 1: 7.1 to 7.7	
3	24609.7	0	441553844	0	30583489	37349120	11/21/2021	0.014	0.086	0.017	0.008	2	<1	Cl2	0.41
4	24609.7	0	441553844	0	30583489	37349120	11/28/2021	0.003	0.03	0.022	0.017	2	1	Week 2: 7.0 to 7.5	
5	24609.7	0	441553844	0	30583489	37349120								Cl2	0.52
6	24609.7	0	441553844	0	30583489	37349120								Week 3: 7.0 to 7.6	
7	24609.7	0	441553844	0	30583489	37349120	Total Gallons Sodium Hypochlorite: 5.65 Gal						Cl2	0.59	
8	24609.7	0	441553844	0	30583489	37349120	Pounds per day 0.228 Lbs/Day						Week 4: 7.0 to 7.5		
9	24613.2	3.5	441746371	192527	30594420	37361915	Dosage (Milligrams Per Liter @ 12.5% Cl) 1.8 mg/L						Cl2	0.78	
10	24613.2	0	441746371	0	30594420	37361915								Week 5: to	
11	24613.2	0	441746371	0	30594420	37361915	Total Gallons Ferric Chloride: 2.68 Gal						Cl2		
12	24613.2	0	441746371	0	30594420	37361915	Dosage (Milligrams Per Liter @ 38% FeCl) .65mg/L								
13	24613.2	0	441746371	0	30594420	37361915									
14	24613.2	0	441746371	0	30594420	37361915	Total Gallons Sodium Hydroxide: 2.08 Gal								
15	24613.5	0.3	441763082	16711	30594420	37361915	Dosage (Gallons Per Hour @ 30% NaOH) 0.48 Gal/Hr								
16	24613.5	0	441763082	0	30594420	37361915									
17	24613.5	0	441763082	0	30594420	37361915	Total Gallons Sulfuric Acid : 2.68 Gal								
18	24613.5	0	441763082	0	30594420	37361915	Dose (Gallons Per Hour @ 93% H2SO4) 0.33 Gal/Hr								
19	24613.5	0	441763082	0	30594420	37361915									
20	24613.5	0	441763082	0	30594420	37361915	Total Backwashed		21,725 Gal		Total Run Hours		7.7Hours		
21	24614.3	0.8	441809829	46747	30594420	37361915									
22	24614.3	0	441809829	0	30594420	37361915	Total Water Pumped		422,804 Gal		Total Backwash Waste		22,137 Gal		
23	24614.3	0	441809829	0	30594420	37361915									
24	24614.3	0	441809829	0	30594420	37361915	Reporting Limits/Units			Maximum Contaminant Levels (MCLs)					
25	24614.3	0	441809829	0	30594420	37361915	Iron = 0.100 mg/L			Iron (Fe) = 0.300 mg/L (Secondary)					
26	24614.3	0	441809829	0	30594420	37361915	Manganese = 0.010 mg/L			Manganese (Mn) = 0.050 mg/L (Secondary)					
27	24614.3	0	441809829	0	30594420	37361915	Arsenic = 1.0 µg/L			Arsenic (As) = 10 µg/L (Primary)					
28	24617.4	3.1	441976648	166819	30605214	37371257									
29	24617.4	0	441976648	0	30605214	37371257									
30	24617.4	0	441976648	0	30605214	37371257	Prepared By: Steve Shaw				Date: 12/5/2022				
31		0		0											
Total		7.7		422,804	21,725	22,137									



December 6, 2022

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

MONTHLY FLUORIDATION MONITORING REPORT

Enclosed is the Monthly Summary of the Fluoridation Monitoring from Elk Grove Water District for November 2022.

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

ELK GROVE WATER DISTRICT AREA 2

DISTRIBUTION SYSTEM

MONTHLY FLUORIDATION MONITORING REPORT

November-22

Week	Location of Sample	Monitoring Results (mg/L)		
		Date	Time	Results
1	Hollow Springs	11/7/2022	10:11 AM	0.58
1	Kapalua	11/7/2022	10:52 AM	0.5
1	Al Gates Park	11/7/2022	11:55 AM	0.79
1	Oreo Ranch	11/7/2022	12:18 PM	0.78
1	Blackman	11/7/2022	1:18 PM	0.65
2	Hollow Springs	11/15/2022	10:07 AM	0.75
2	Kapalua	11/15/2022	11:16 AM	0.49
2	Al Gates Park	11/15/2022	11:37 AM	0.64
2	Oreo Ranch	11/15/2022	12:11 AM	0.65
2	Blackman	11/15/2022	1:29 PM	0.77
3	Hollow Springs	11/22/2022	9:42 AM	0.6
3	Kapalua	11/22/2022	8:20 AM	0.39
3	Al Gates Park	11/22/2022	10:12 AM	0.2
3	Oreo Ranch	11/22/2022	10:44 AM	0.43
3	Blackman	11/22/2022	12:16 PM	0.57
4	Hollow Springs	11/29/2022	10:10 AM	0.69
4	Kapalua	11/29/2022	8:45 AM	0.61
4	Al Gates Park	11/29/2022	10:43 AM	0.45
4	Oreo Ranch	11/29/2022	10:55 AM	0.51
4	Blackman	11/29/2022	12:26 PM	0.8
5	Hollow Springs			
5	Kapalua			
5	Al Gates Park			
5	Oreo Ranch			
5	Blackman			

Monthly fluoride split sample results:

Date: 11/7/2022

Water System Results: 0.79 mg/L

Approved Lab: 0.7 mg/L

Contact Name: Steve Shaw

Telephone : (916) 585-9386

System PWS Number: 3410008

Elk Grove Water District

Preventative Maintenance Program

Groundwater Wells

		Monthly												Semi-annual		Annual				
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2022	
Well 14D Railroad	Initials	Sect: 7.1	AH	BW	AH	AH	BW	AH	AH	AH	AH	BW	AH		Sect: 7.2	AH	AH/BW	Sect: 7.3		
	Date		1/3/22	2/24/22	3/2/22	4/14/22	5/16/22	6/22/22	7/13/22	8/11/22	9/22/22	10/6/22	11/17/22			6/21/22	11/30/22			
	W.O. #		20385	20463	20536	20622	20689	20827	20915	20972	21108	21217	21296			20834	21303			
Well 4D Webb	Initials	Sect: 8.1	AH	BW	BW	AH	AH	AH	BW	BW	BW	AH	AH		Sect: 8.2	AH/BW	AH/BW	Sect: 8.3		
	Date		1/4/22	2/11/22	3/10/22	4/14/22	5/4/22	6/30/22	7/15/22	8/1/22	9/14/22	10/10/22	11/4/22			6/16/22	11/30/22			
	W.O. #		20386	20464	20537	20623	20690	20828	20916	20973	21109	21218	21297			20835	21304			
Well 11D Dino	Initials	Sect: 9.1	AH	AH	AH	AH	BW	AH	AH	BW	AH	AH	AH		Sect: 9.2	AH		Sect: 9.3		
	Date				3/28/22	4/19/22	5/2/22	6/27/22	7/12/22	8/1/22	9/22/22	10/12/22	11/18/22			6/21/22				
	W.O. #		20387	20465	20538	20624	20691	20829	20917	20974	21110	21219	21298			20836				
Well 1D School	Initials	Sect: 13.1	AH	BW	AH	AH	AH	AH	AH	AH	AH	AH	AH		Sect: 13.2	AH/BW	AH/BW	Sect: 13.3		
	Date		1/5/22	2/24/22	3/1/22	4/19/22	5/20/22	6/27/22	7/13/22	8/11/22	9/22/22	10/5/22	11/17/22			6/16/22	11/30/22			
	W.O. #		20388	20466	20539	20625	20692	20830	20918	20975	21111	21220	21299			20837	21306			
Well 8 Williamson	Initials	Sect: 11.1	BW	BW	BW	BW	BW	BW	BW	BW	BW	AH	BW		Sect: 11.4			Sect: 11.4		
	Date		1/6/22	2/7/22	3/2/22	4/19/22	5/2/22	6/6/22	7/14/22	8/1/22	9/8/22		11/9/22							
	W.O. #		20389	20467	20540	20626	20693	20831	20919	20976	21112	21221	21300							
Well 9 Polhemus	Initials	Sect: TBD	BW	BW	BW	BW	BW	BW	BW	BW	BW	BW	BW		Sect: TBD			Sect: TBD	AH	
	Date		1/3/22	2/7/22	3/2/22	4/4/22	5/5/22	6/6/22	7/1/22	8/1/22	9/12/22	10/3/22	11/4/22							10/19/22
	W.O. #		20390	20468	20541	20627	20694	20832	20920	20977	21113	21222	21301							20770
Well 13 Hampton	Initials	Sect: TBD	AH	AH	AH	AH	AH	AH	AH	BW	BW	AH	AH		Sect: TBD	AH/BW		Sect: TBD		
	Date		1/6/22	2/22/22	3/28/22	4/4/22	5/18/22	6/22/22	7/18/22	8/2/22	9/12/22	10/6/22	11/28/22			6/16/22				
	W.O. #		20391	20469	20542	20628	20695	20833	20921	20978	21114	21223	21302			20838				

= Well Offline

41

Year: 2022

Elk Grove Water District

Preventative Maintenance Program

Railroad Water Treatment and Storage Facility

Item	Monthly												Quarterly					Semi-annual				Annual					
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1 ST MO.	6-2ND MO.	6-	Refer.	2022			
Clor-Tec System	Initials	Section: 4.2	AH/BW	AH	AH	AH	AH	AH	AH	AH	AH	AH	BW	Section: 4.3	AH	AH	AH		Section: 4.4	AH			Section: 4.4	AH			
	Date		1/14/22	2/17/22	3/7/22	4/22/22	5/19/22	6/22/22	7/25/22	8/11/22	9/26/22	10/31/22	11/21/22			2/9/22	4/22/22	7/11/22									10/20/22
	W.O. #		20392	20477	20547	20633	20681	20850	20905	20979	21121	21212	21289			20481	20637	20909									
Filter System	Initials	Section: 5.1	AH/BW	AH	AH	AH/BW	AH	AH	AH	AH/BW	AH/BW	AH/BW	AH	Section: 5.2	AH				Section: 5.3				Section: 5.3				
	Date		1/12/22	2/11/22	3/9/22	4/18/22	5/17/22	6/14/22	7/28/22	8/10/22	9/22/22	10/21/22	11/9/22			6/30/22											
	W.O. #		20393	20478	20548	20634	20682	20851	20906	20980	21122	21213	21290			20847											
Backwash System	Initials	Section: 2.1	BW	AH	BW	BW	AH	AH	AH	BW	AH/BW	BW	BW	Section: 2.2	AH				Section: 2.3	AH			Section: 2.3	AH			
	Date		1/28/22	2/15/22	3/9/22	4/25/22	5/18/22	6/28/22	7/25/22	8/8/22	9/22/22	10/12/22	11/21/22			6/16/22											10/19/22
	W.O. #		20394	20479	20549	20635	20683	20852	20907	20981	21123	21214	21291			20848											
Booster Pumps	Initials	Section: 3.1	BW	AH	BW	BW	BW	AH	BW	BW	BW	BW	AH/BW	Section: 1.1	AH	AH	AH		Section: 3.2	AH/BW			Section: 3.2	AH			
	Date		1/19/22	2/11/22	3/7/22	4/25/22	5/9/22	6/29/22	7/25/22	8/11/22	9/26/22	10/10/22	11/14/22			3/20/22	6/29/22	9/29/22									10/18/22
	W.O. #		20395	20480	20550	20636	20684	20853	20908	20982	21124	21215	21292			20551	20846	20910									
LAB	Initials													Section: 1.2					Section: 2.4				Section: 2.4	AH			
	Date																										3/10/22
	W.O. #																										
Clear Wells	Initials													Section: 1.2					Section: 1.2				Section: 1.2	AH			
	Date																										10/19/22
	W.O. #																										
MCC	Initials																										
	Date																										
	W.O. #																										

Year: 2022

Elk Grove Water District

Preventative Maintenance Program

Hampton Village Water Treatment Plant

Item	Monthly													Quarterly					Semi-annual				Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1ST MO.	6-2ND MO.	6-	Refer.	2022	
Chemical Systems	Initials	AH													AH					AH				AH/BW	
	Date	1/6/22 2/15/22 3/3/22 4/27/22 5/18/22 6/22/22 7/18/22 8/2/22 9/19/22 10/6/22 11/23/22													3/3/22 6/22/22 8/18/22 11/8/22					6/30/22				5/12/22	
	W.O. #	20396 20470 20552 20638 20678 20839 20902 20983 21115 21228 21308													20555 20842 21037 21311					20844				20642	
Filter System	Initials	AH													AH					AH				AH/BW	
	Date	1/6/22 2/15/22 3/3/22 4/27/22 5/18/22 6/22/22 7/18/22 8/2/22 9/19/22 10/6/22 11/23/22													3/3/22 6/22/22 8/18/22 11/8/22					6/30/22				5/12/22	
	W.O. #	20397 20471 20553 20639 20679 20840 20903 20984 21116 21229 21309													20556 20843 21038 21312					20845				20642	
Backwash System	Initials	AH													AH					AH				AH/BW	
	Date	1/6/22 2/15/22 3/3/22 4/27/22 5/18/22 6/22/22 7/18/22 8/2/22 9/19/22 10/6/22 11/23/22													3/3/22 6/22/22 8/18/22 11/8/22					6/30/22				5/12/22	
	W.O. #	20398 20472 20554 20640 20680 20841 20904 20985 21117 21230 21310													20556 20843 21038 21312					20845				20642	
LAB	Initials	AH													AH					AH				AH/BW	
	Date	1/6/22 2/15/22 3/3/22 4/27/22 5/18/22 6/22/22 7/18/22 8/2/22 9/19/22 10/6/22 11/23/22													3/3/22 6/22/22 8/18/22 11/8/22					6/30/22				5/12/22	
	W.O. #	20398 20472 20554 20640 20680 20841 20904 20985 21117 21230 21310													20556 20843 21038 21312					20845				20642	
MCC	Initials	AH													AH					AH				AH/BW	
	Date	1/6/22 2/15/22 3/3/22 4/27/22 5/18/22 6/22/22 7/18/22 8/2/22 9/19/22 10/6/22 11/23/22													3/3/22 6/22/22 8/18/22 11/8/22					6/30/22				5/12/22	
	W.O. #	20398 20472 20554 20640 20680 20841 20904 20985 21117 21230 21310													20556 20843 21038 21312					20845				20642	

Elk Grove Water District

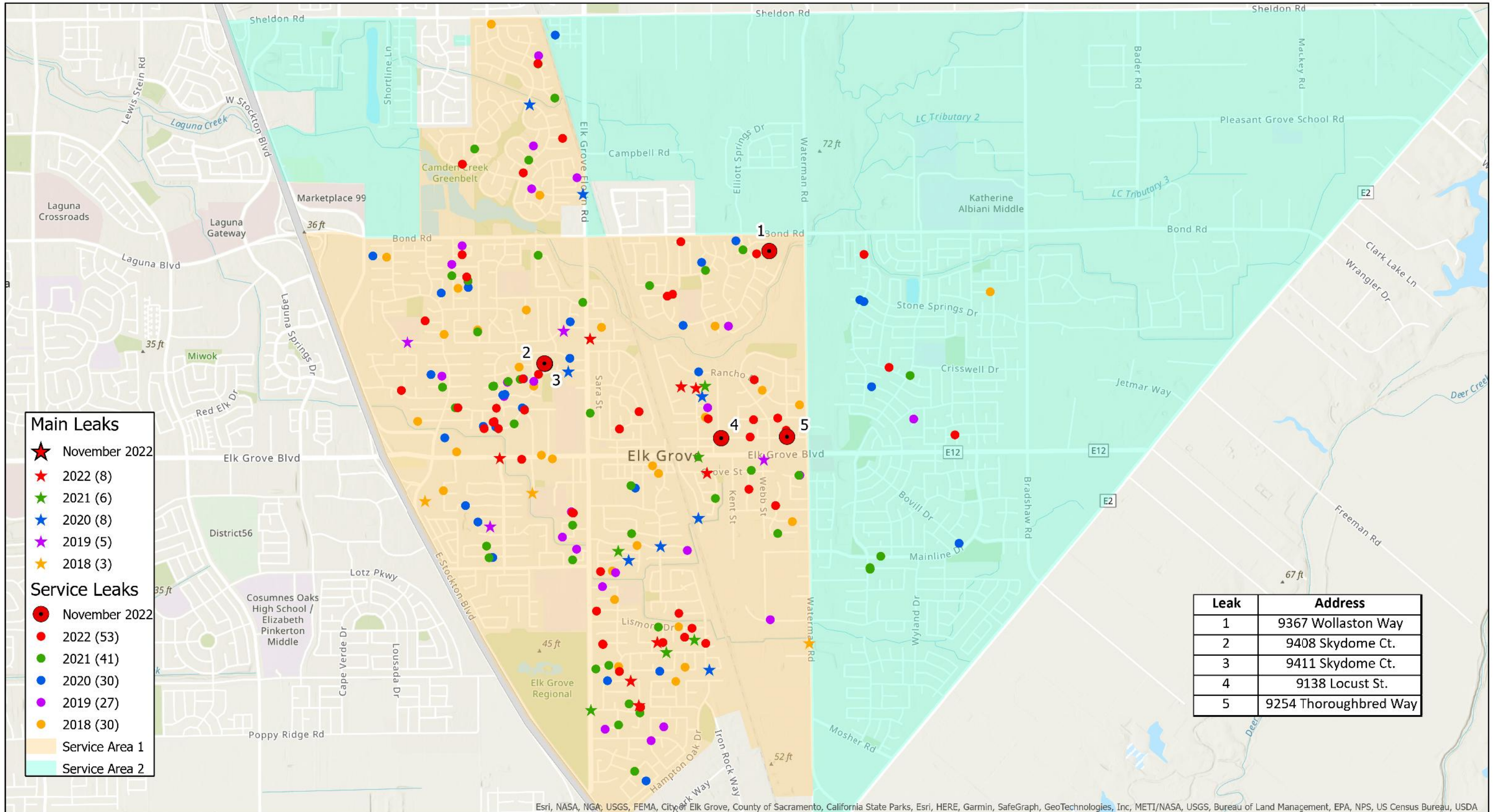
Preventative Maintenance Program

Standby Generators

Item	Monthly													Annual			
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	2022		
Railroad	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH/BW	AH	AH	AH	AH	Section: TBD	AH		
	Date	Section: TBD	1/14/22	2/22/22	3/25/22	4/26/22	5/20/22	6/23/22	7/28/22	8/11/22	9/28/22	10/3/22	11/4/22	Section: TBD	10/3/22		
	W.O. #	Section: TBD	20399	20473	20543	20629	20685	20854	20911	20986	21118	21224	21293	Section: TBD	21227		
Webb	Initials	Section: TBD	AH	BW	BW	AH/BW	BW	AH	AH	BW	AH	AH	AH	Section: TBD	BW		
	Date	Section: TBD	1/12/22	2/10/22	3/2/22	4/27/22	5/9/22	6/28/22	7/26/22	8/17/22	9/27/22	10/17/22	11/4/22	Section: TBD	8/17/22		
	W.O. #	Section: TBD	20400	20474	20544	20630	20686	20855	20912	20987	21119	21225	21294	Section: TBD	21033		
Dino	Initials	Section: TBD	AH	BW	BW	AH/BW	BW	AH	AH	BW	AH	AH	AH	Section: TBD	BW		
	Date	Section: TBD	1/12/22	2/23/22	3/7/22	4/25/22	5/2/22	6/27/22	7/20/22	8/17/22	9/22/22	10/13/22	11/15/22	Section: TBD	8/17/22		
	W.O. #	Section: TBD	20401	20475	20545	20631	20687	20856	20913	20988	21120	21226	21295	Section: TBD	21035		
			= Load test														

Elk Grove Water District
 Safety Meetings/Training
 November 2022

Date	Topic	Attendees	Hosted By
11/7/2022	Working Safely in the Rain	Alan Aragon, David Frederick, Aaron Hewitt, James Hinegardner, Sean Hinton, Brandon Kent, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Steve Shaw, John Vance, Marcell Wilson	Steve Shaw & Sean Hinton
11/21/2022	Working with Water Safety	Aaron Hewitt, Steve Shaw, Brandon Wagner	Steve Shaw & Sean Hinton



- Main Leaks**
- ★ November 2022
 - ★ 2022 (8)
 - ★ 2021 (6)
 - ★ 2020 (8)
 - ★ 2019 (5)
 - ★ 2018 (3)
- Service Leaks**
- November 2022
 - 2022 (53)
 - 2021 (41)
 - 2020 (30)
 - 2019 (27)
 - 2018 (30)
- Service Area 1
Service Area 2

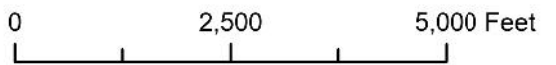
Leak	Address
1	9367 Wollaston Way
2	9408 Skydome Ct.
3	9411 Skydome Ct.
4	9138 Locust St.
5	9254 Thoroughbred Way

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

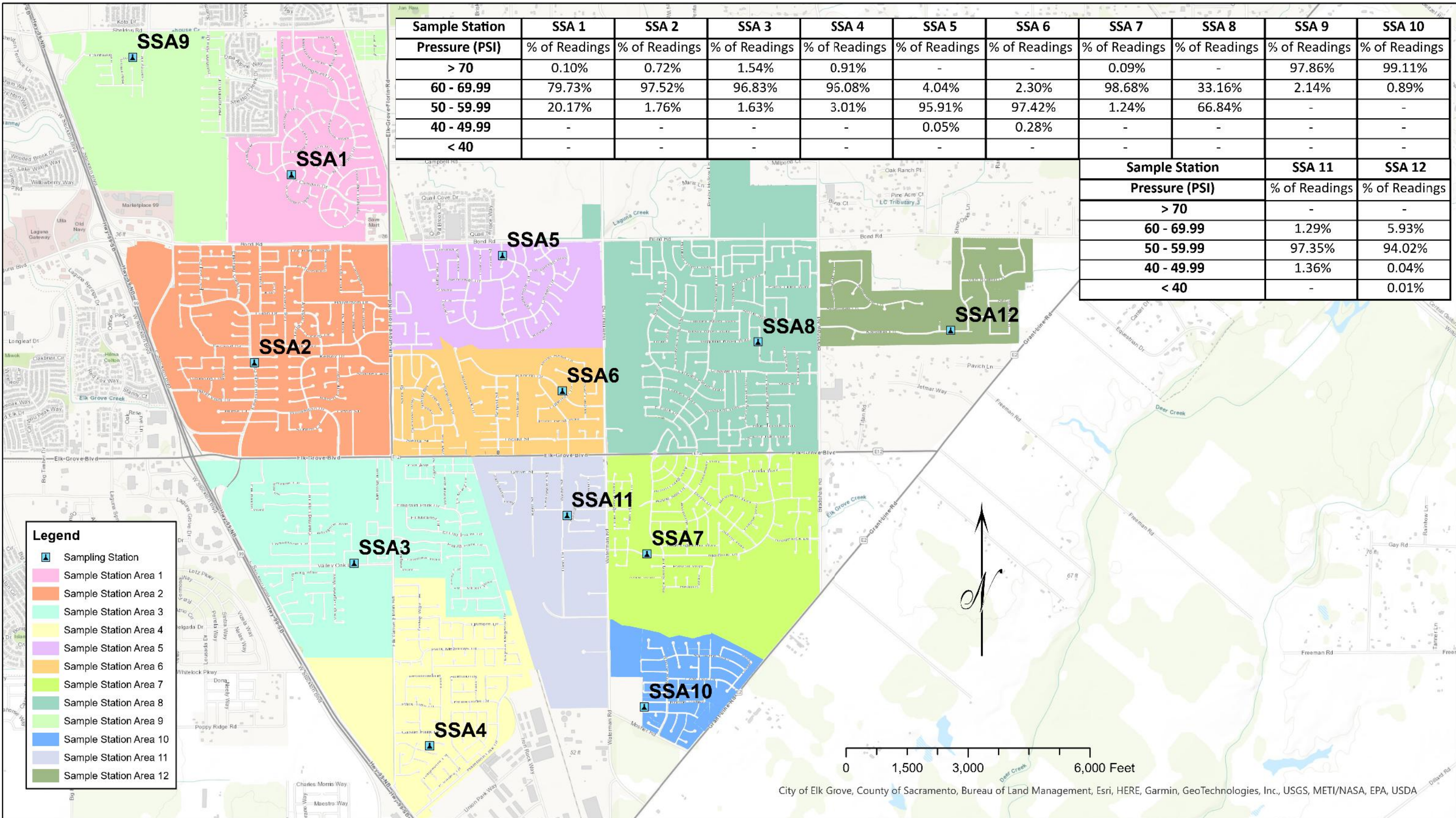
November 2022	
Main Line Leaks: 0	YTD: 8
Service Line Leaks: 5	YTD: 53
Total Leaks: 5	YTD: 61



Elk Grove Water District Main and Service Line Leaks Map



Elk Grove Water District
Main & Service Line Leaks
Created by: Richard Ko
Date: December 8, 2022



Sample Station	SSA 1	SSA 2	SSA 3	SSA 4	SSA 5	SSA 6	SSA 7	SSA 8	SSA 9	SSA 10
Pressure (PSI)	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings
> 70	0.10%	0.72%	1.54%	0.91%	-	-	0.09%	-	97.86%	99.11%
60 - 69.99	79.73%	97.52%	96.83%	95.08%	4.04%	2.30%	98.68%	33.16%	2.14%	0.89%
50 - 59.99	20.17%	1.76%	1.63%	3.01%	95.91%	97.42%	1.24%	66.84%	-	-
40 - 49.99	-	-	-	-	0.05%	0.28%	-	-	-	-
< 40	-	-	-	-	-	-	-	-	-	-

Sample Station	SSA 11	SSA 12
Pressure (PSI)	% of Readings	% of Readings
> 70	-	-
60 - 69.99	1.29%	5.93%
50 - 59.99	97.35%	94.02%
40 - 49.99	1.36%	0.04%
< 40	-	0.01%

- 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

0 1,500 3,000 6,000 Feet
 City of Elk Grove, County of Sacramento, Bureau of Land Management, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, METI/NASA, EPA, USDA

Sample Stations: 12
 November 2022



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
 December 8, 2022

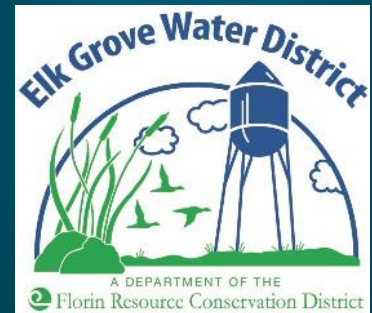
EGWD

OPERATIONS REPORT

December 2022



Elk
Grove
Water
District



Elk Grove Water District
Operations Report
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Operations Activities Summary

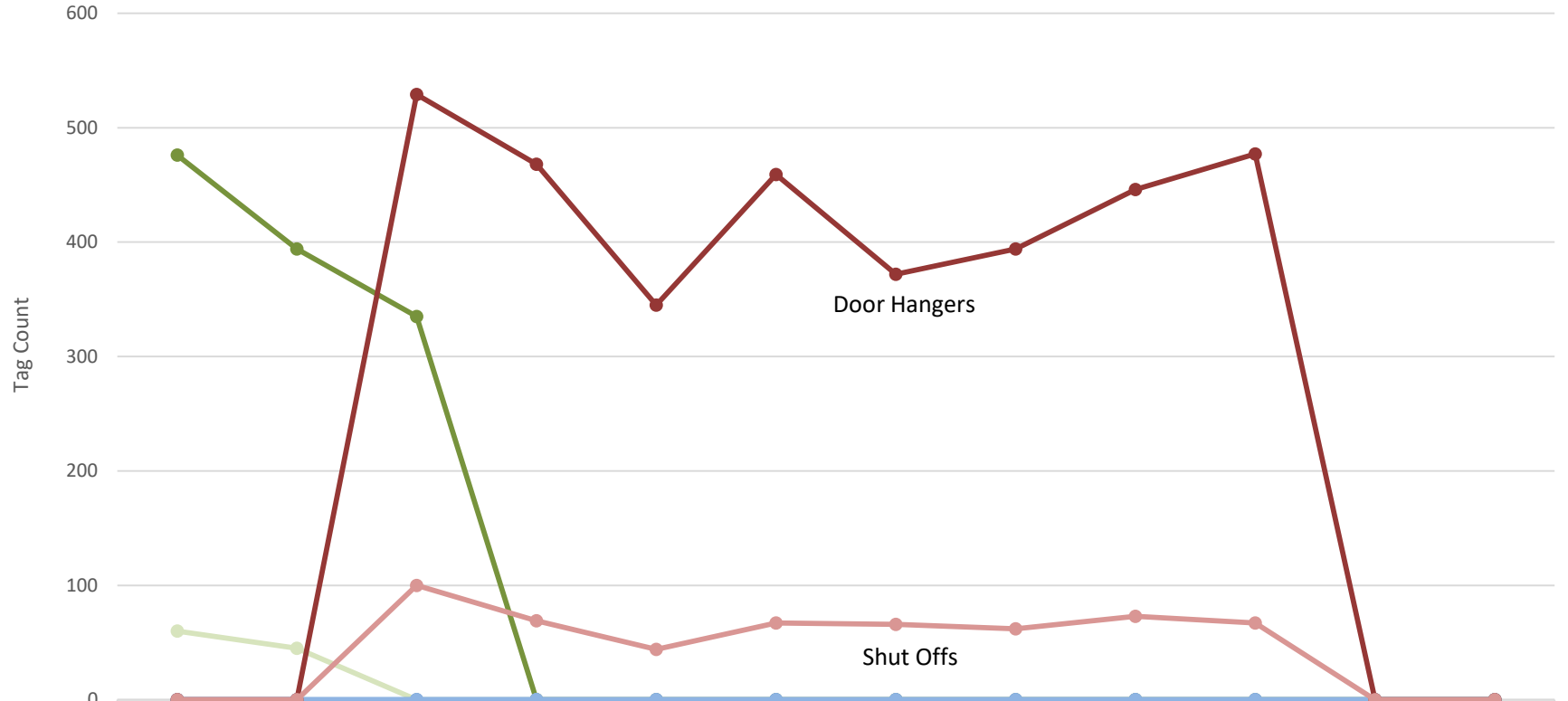
<u>Service Requests:</u>	December -22		YTD (Since Jan. 1, 2022)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	0	0	3,490	144.6
Shut offs	0	0	548	107
Turn ons	0	0	506	109
Investigations	56	14	558	139.5
USA Locates	457	114.25	5,459	1,364.75
Customer Complaints				
-Pressure	0	0	15	7.5
-Water Quality	2	4	14	10
-Other	0	0	0	0

<u>Work Orders:</u>	December -22		YTD (Since Jan. 1, 2022)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	26	53	224	630
Corrective Maint.	12	51.25	73	585.25
Water Samples	11	36	195	127.5
Distribution:				
Meters Installed	0	0	24	9.3
Meter Change Out	17	9.75	278	151.75
Preventative Maint.				
-Hydrant Maintenance (45)	47	11	494	92.5
-Valve Exercising (127)	121	37	1,230	252.75
-Other	0	0	0	0
Corrective Maint.				
-Leaks	1	21.75	61	788.45
-Other	17	4.25	204	596
Valve Locates	0	0	0	0
Utility:				
Corrective Maint.	0	0	0	0

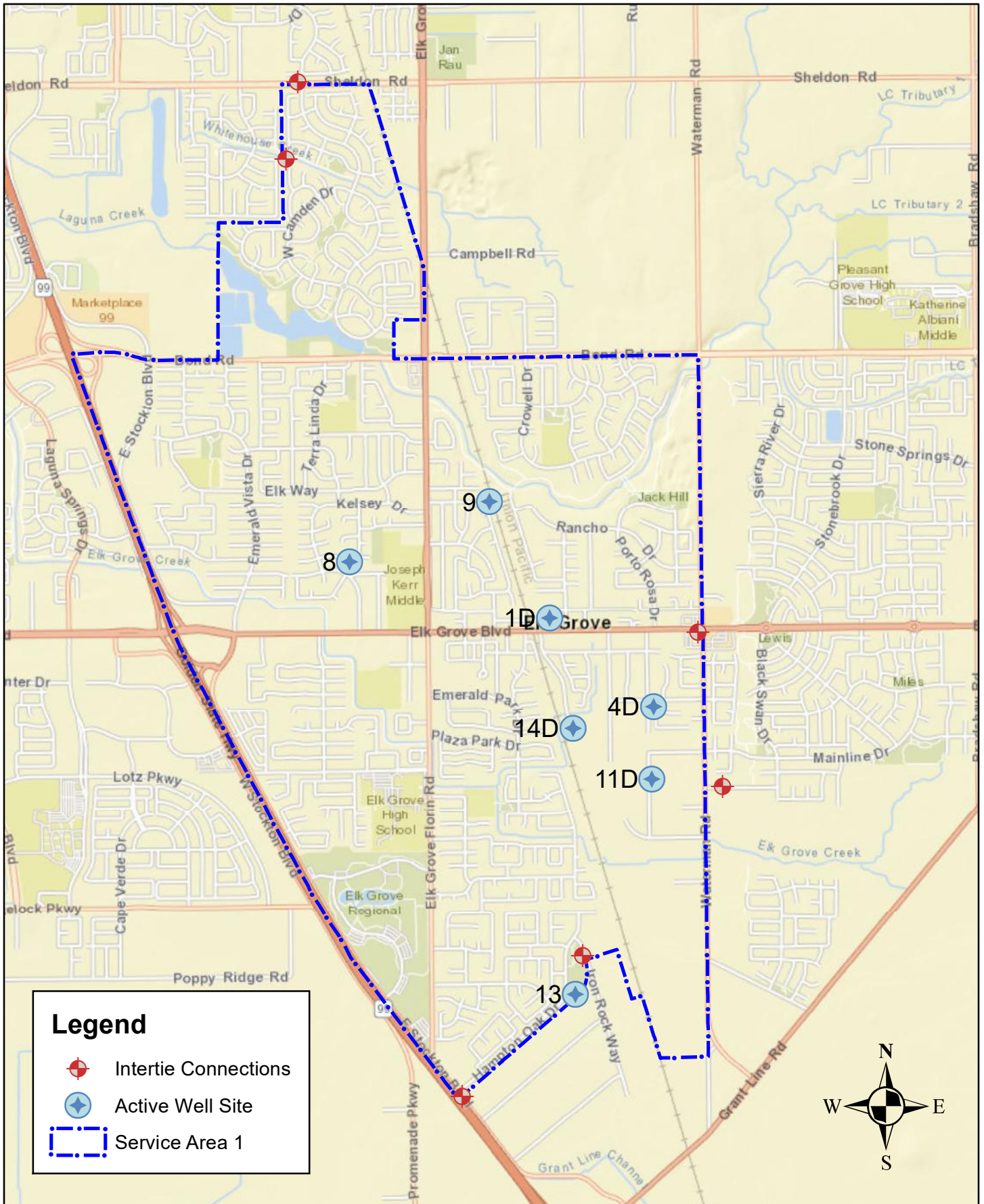


Elk Grove Water District




Door Hangers and Shut Off Tags

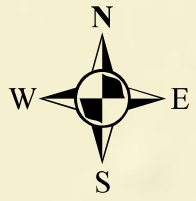


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2020 Door Hangers	476	394	335	0	0	0	0	0	0	0	0	0
2020 Shut Offs	60	45	0	0	0	0	0	0	0	0	0	0
2021 Door Hangers	0	0	0	0	0	0	0	0	0	0	0	0
2021 Shut Offs	0	0	0	0	0	0	0	0	0	0	0	0
2022 Door Hangers	0	0	529	468	345	459	372	394	446	477	0	0
2022 Shut Offs	0	0	100	69	44	67	66	62	73	67	0	0

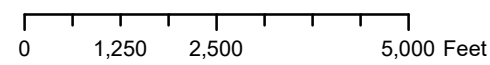


Legend

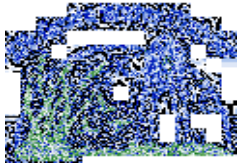
-  Intertie Connections
-  Active Well Site
-  Service Area 1



Active Well Sites & Intertie Connections



Elk Grove Water District



Elk Grove Water District

Monthly Production

Well 1D School -- December 2022

Selected Month Production

229,543 Gallons

Average GPM: 1,738
 Pump depth: 275 ft
 Well depth: 1025 ft

Motor:

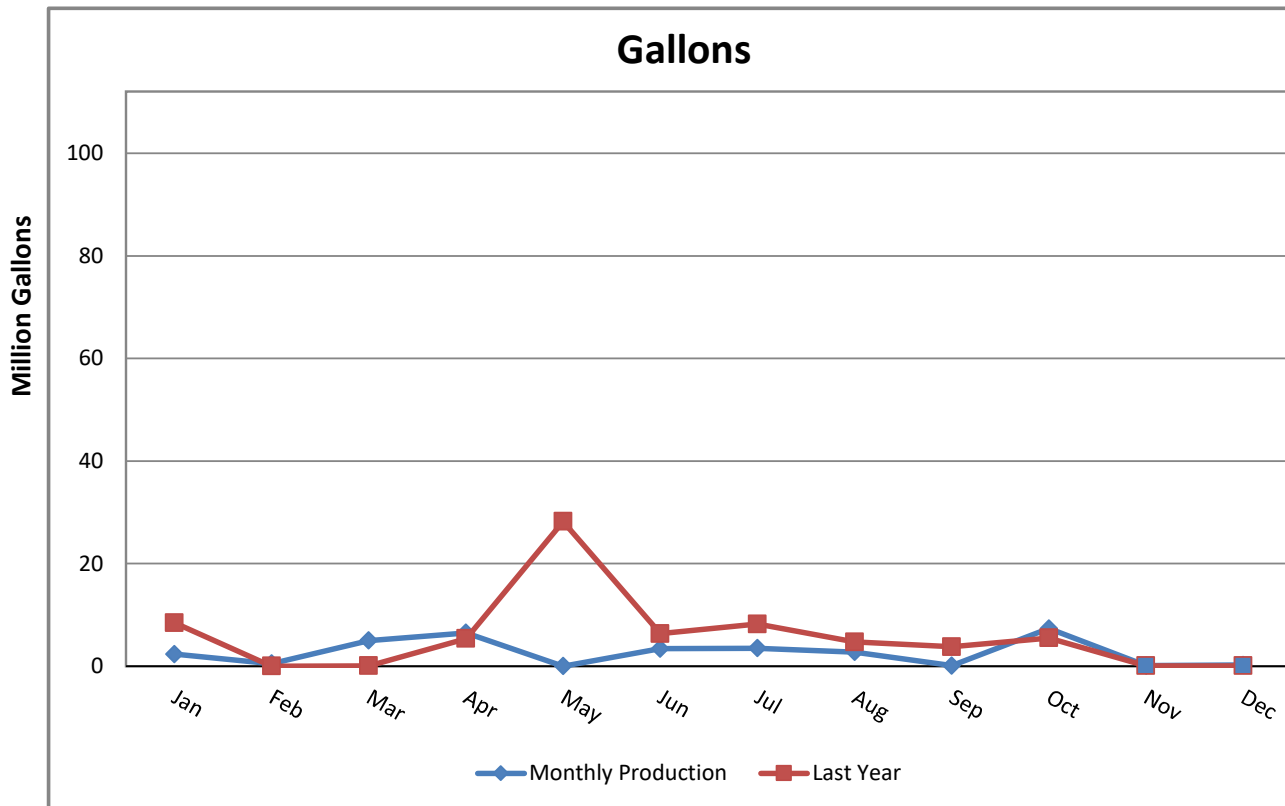
Volts: 477
 Volts (Rated): 460
 RPM: 1790
 RPM (Rated): 2115
 Amps A: 178
 Amps A (Rated): 222
 Amps B: 177
 Amps B (Rated): 222
 Amps C: 171
 Amps C (Rated): 222
 Motor Temp: 94.7 F
 Hour Meter: 2.20
 KW Hour Total: 400

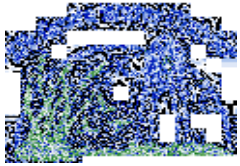
Chlorine:

Dosing: 1.64 mg/L
 Demand: 0.54 mg/L
 Residual: 1.1 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.05 in/sec





Elk Grove Water District

Monthly Production

Well 4D Webb -- December 2022

Selected Month Production

4,402,461 Gallons

Average GPM: 1690
 Pump depth: 340 ft
 Well depth: 1075 ft

Motor:

Volts: 483
 Volts (Rated): 460
 RPM: 1677
 RPM (Rated): 1775
 Amps A: 198
 Amps A (Rated): 225
 Amps B: 197
 Amps B (Rated): 225
 Amps C: 196
 Amps C (Rated): 225

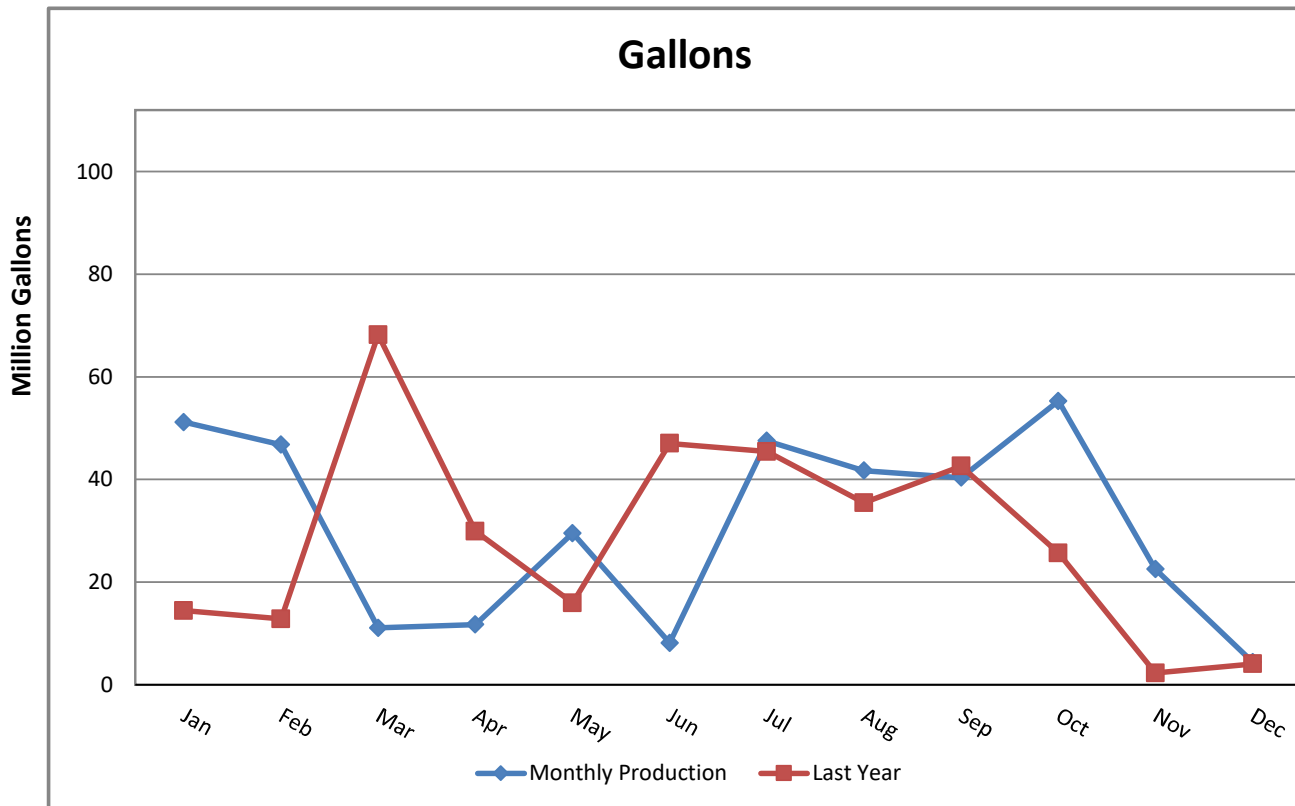
Motor Temp: 83.1 F
 Hour Meter: 43.40
 KW Hour Total: 8,160

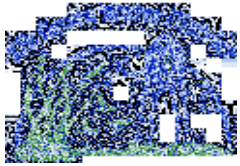
Chlorine:

Dosing: 1.68 mg/L
 Demand: 0.69 mg/L
 Residual: 0.99 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.01 in/sec





Elk Grove Water District

Monthly Production

Well 11D Dino -- December 2022

Selected Month Production

38,652,429 Gallons

Average GPM: 1700
 Pump depth: 340 ft
 Well depth: 1038 ft

Motor:

Volts: 483
 Volts (Rated): 460
 RPM: 1688
 RPM (Rated): 1775
 Amps A: 194
 Amps A (Rated): 225
 Amps B: 187
 Amps B (Rated): 225
 Amps C: 182
 Amps C (Rated): 225

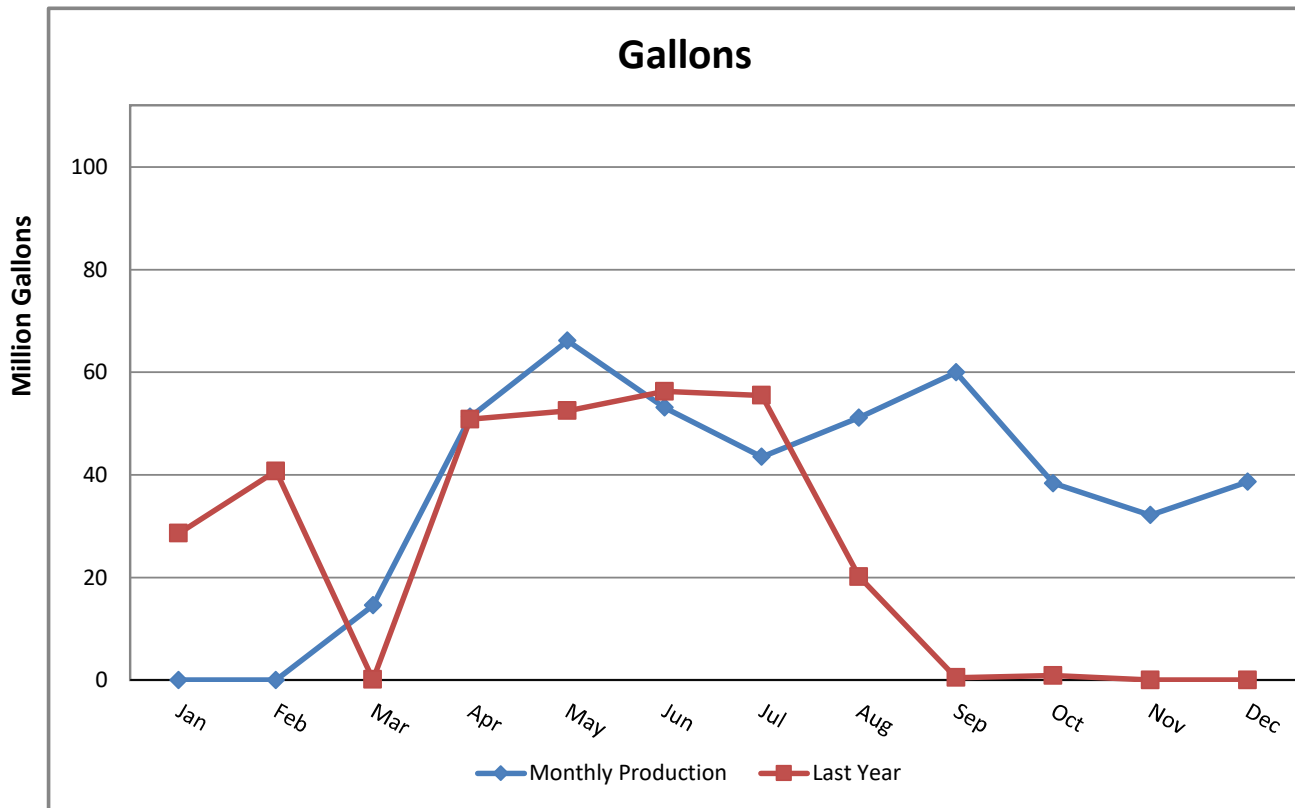
Motor Temp: 96.6 F
 Hour Meter: 378.90
 KW Hour Total: 51,720

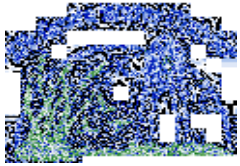
Chlorine:

Dosing: 1.68 mg/L
 Demand: 0.61 mg/L
 Residual: 1.07 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.01 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- December 2022

Selected Month Production

193,972 Gallons

Average GPM: 1469
 Pump depth: 340 ft
 Well depth: 1051 ft

Motor:

Volts: 483
 Volts (Rated): 460
 RPM: 1786
 RPM (Rated): 1785
 Amps A: 165
 Amps A (Rated): 171
 Amps B: 164
 Amps B (Rated): 171
 Amps C: 162
 Amps C (Rated): 171

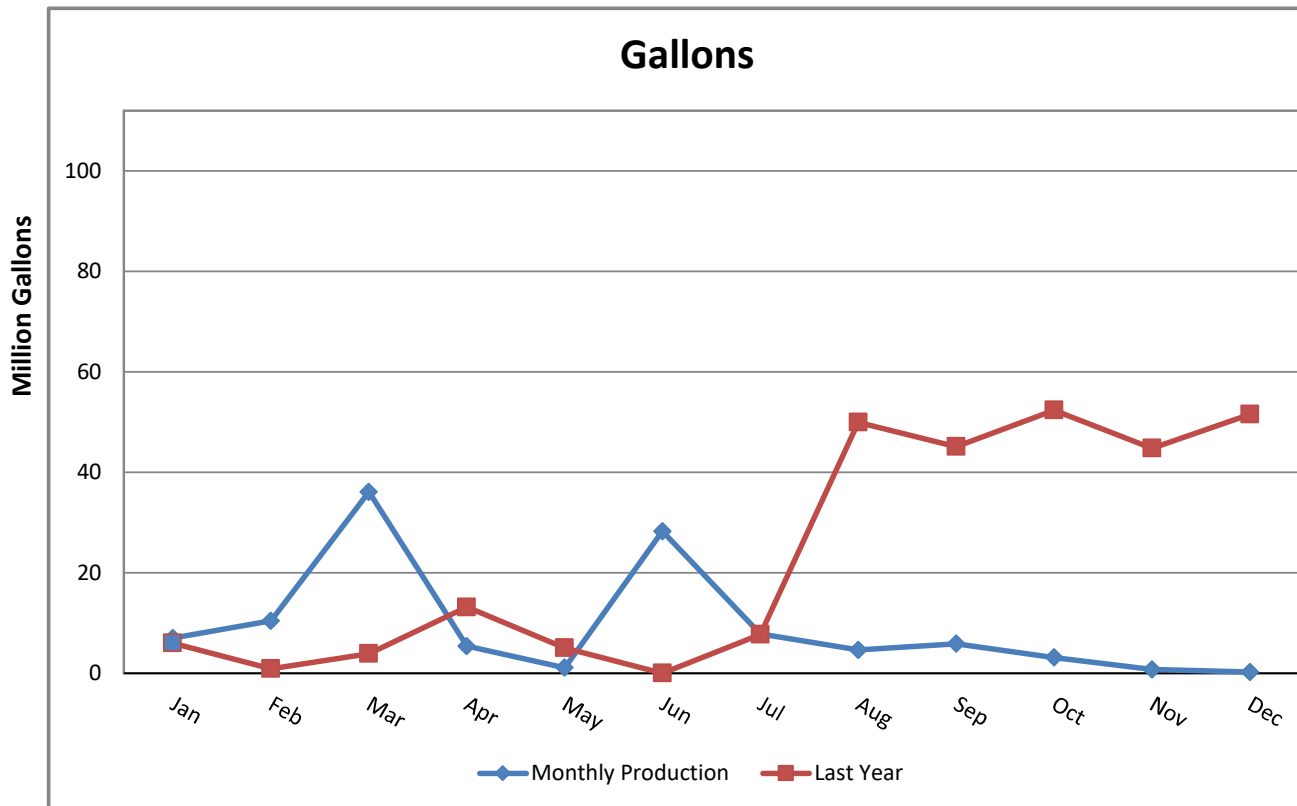
Motor Temp.: 91.0 F
 Hour Meter: 2.20
 KW Hour Total: 46,400
 (KWH total is for the entire facility)

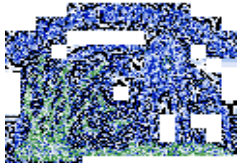
Chlorine:

Dosing: 1.75 mg/L
 Demand: 0.65 mg/L
 Residual: 1.1 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- December 2022

Selected Month Production

3,061,490 Gallons

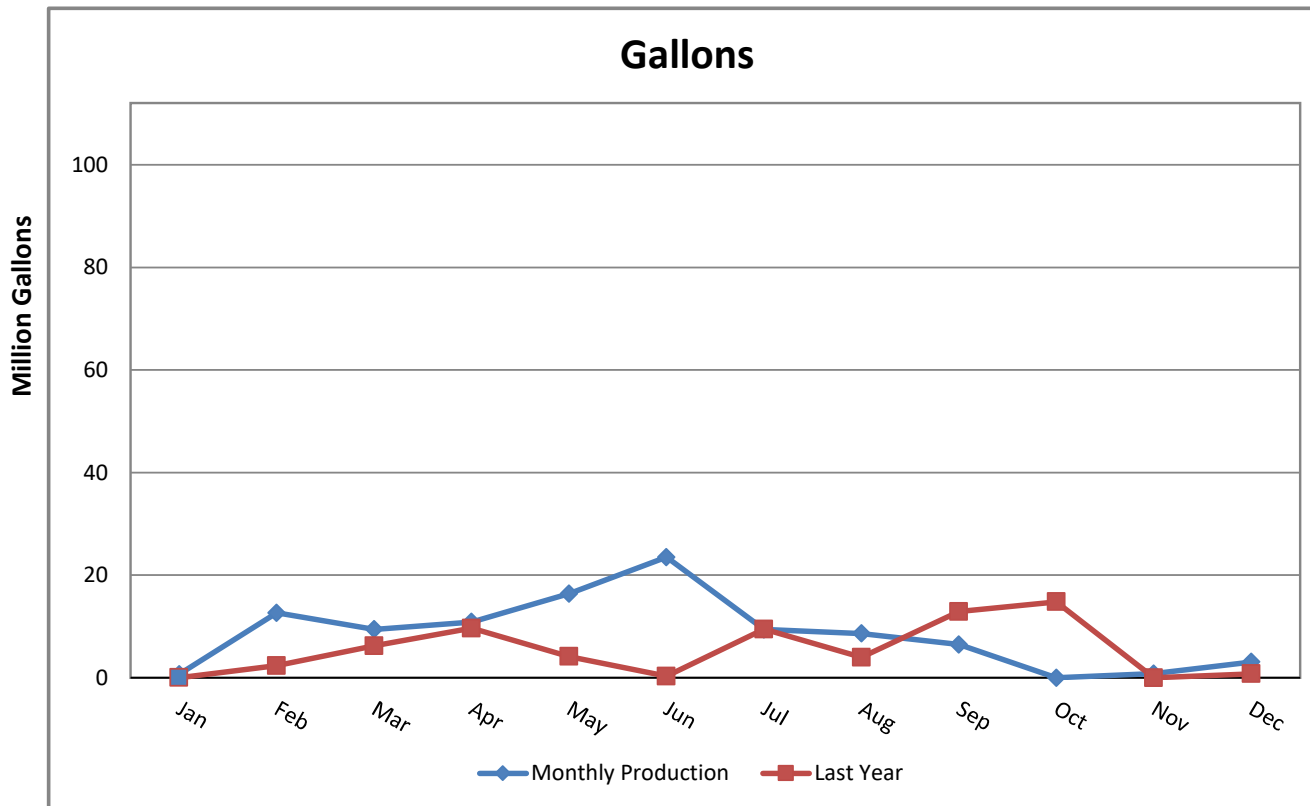
Average GPM: 554
 Pump depth: 150 ft
 Well depth: 564 ft

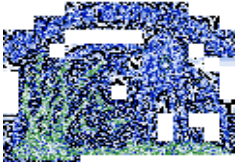
Motor:
 Volts: 458
 Volts (Rated): 460

Amps A: 69
 Amps A (Rated): 65
 Amps B: 67
 Amps B (Rated): 65
 Amps C: 67
 Amps C (Rated): 65

Hour Meter: 92.10
 KW Hour Total: 4,040

Chlorine:
 Dosing: 1.47 mg/L
 Demand: 0.46 mg/L
 Residual: 1.01 mg/L





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- December 2022
(Submersible)

Selected Month Production

18,895,236 Gallons

Average GPM: 487
Pump depth: 150 ft
Well depth: 556 ft

Motor:

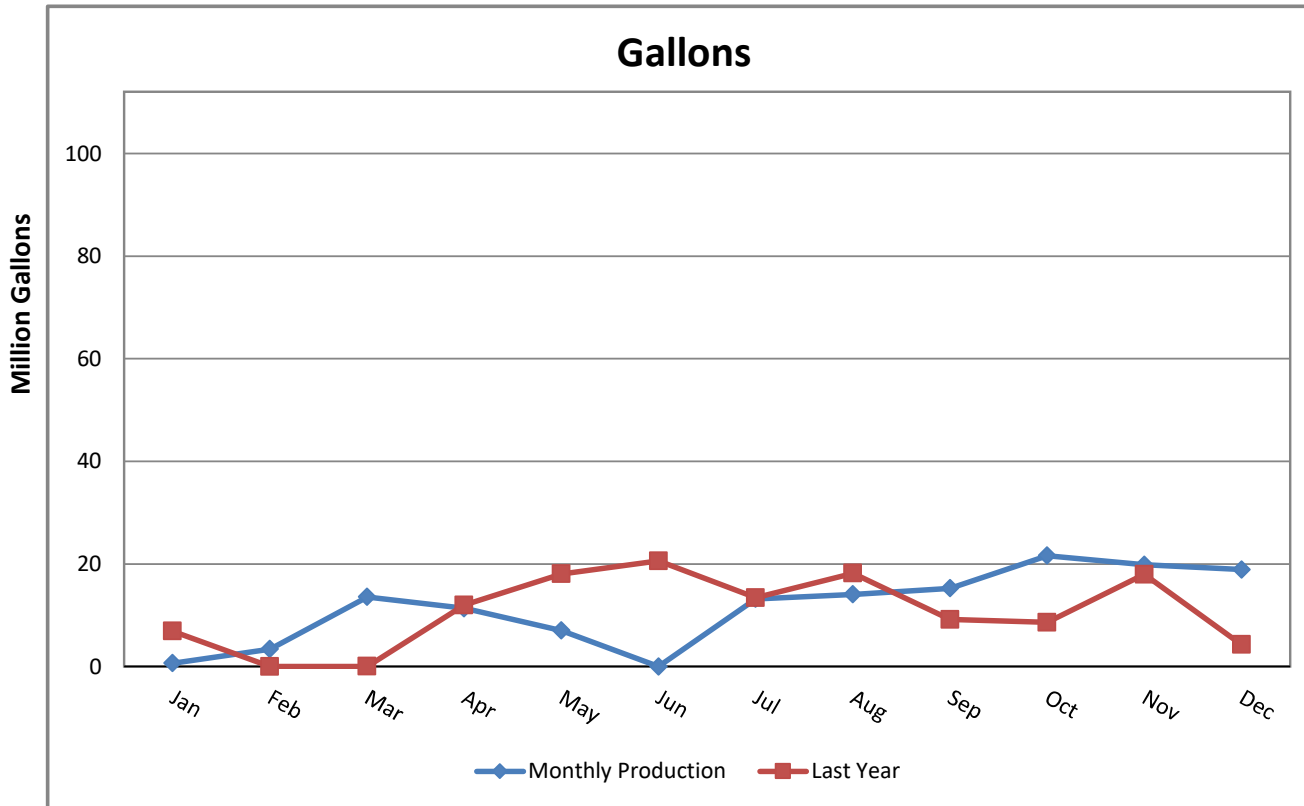
Volts: 482
Volts (Rated): 460

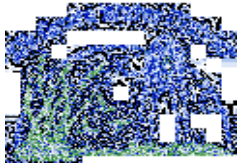
Amps A: 58
Amps A (Rated): 65
Amps B: 58
Amps B (Rated): 65
Amps C: 61
Amps C (Rated): 65

Hour Meter: 645.90
KW Hour Total: 25,548

Chlorine:

Dosing: 1.16 mg/L
Demand: 0.17 mg/L
Residual: 0.99 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- December 2022

Selected Month Production

378,474 Gallons

Average GPM: 914
 Pump depth: 200 ft
 Well depth: 500 ft

Motor:

Volts: 476
 Volts (Rated): 460
 RPM: 1785
 RPM (Rated): 1785
 Amps A: 104
 Amps A (Rated): 141
 Amps B: 105
 Amps B (Rated): 141
 Amps C: 106
 Amps C (Rated): 141

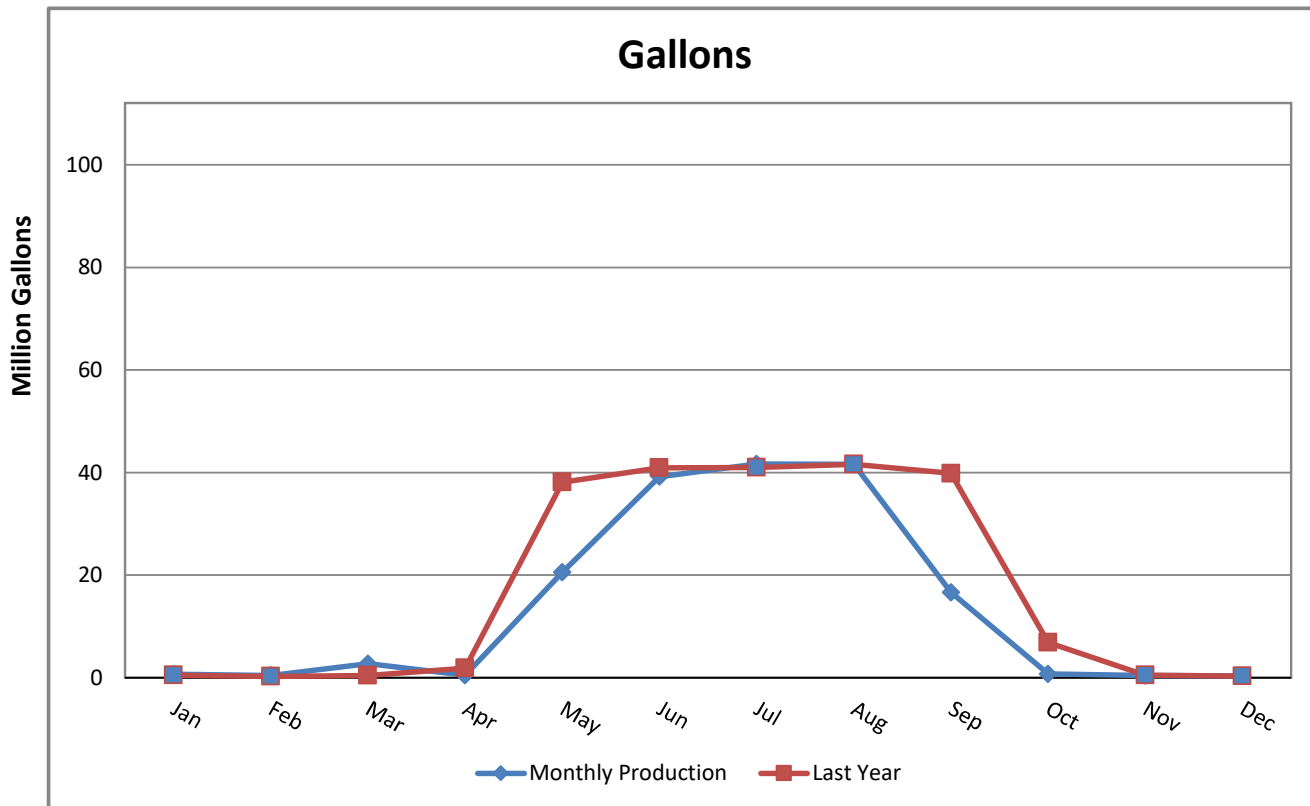
Motor Temp.: 99.8 F
 Hour Meter: 6.9
 KW Hour Total: 1,920

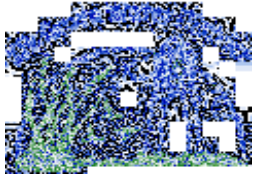
Chlorine:

Dosing: 1.55 mg/L
 Demand: 0.55 mg/L
 Residual: 1 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

Dec-2022

Current Month Production:

65,813,605 Gallons

Highest Day Demand of the Month:

2,397,385

Date of Occurrence

12-Dec-22

Highest Day Demand of the Calendar Year:

6,200,244

Date of Occurrence

6-Sep-22

"Water Year" Rainfall: (Oct-22 to Sep-23)

Current Month:

7.79 in

Year To Date:

8.74 in

"Water Year" Rainfall: (Oct-21 to Sep-22)

December 2021

6.98 in

Year To Date:

14.37 in

Entire Year Total:

16.82 in

Temperature:

This Month High

60 F

This Month Low

29 F

This Month Average

45.8 F

DEC-21 High

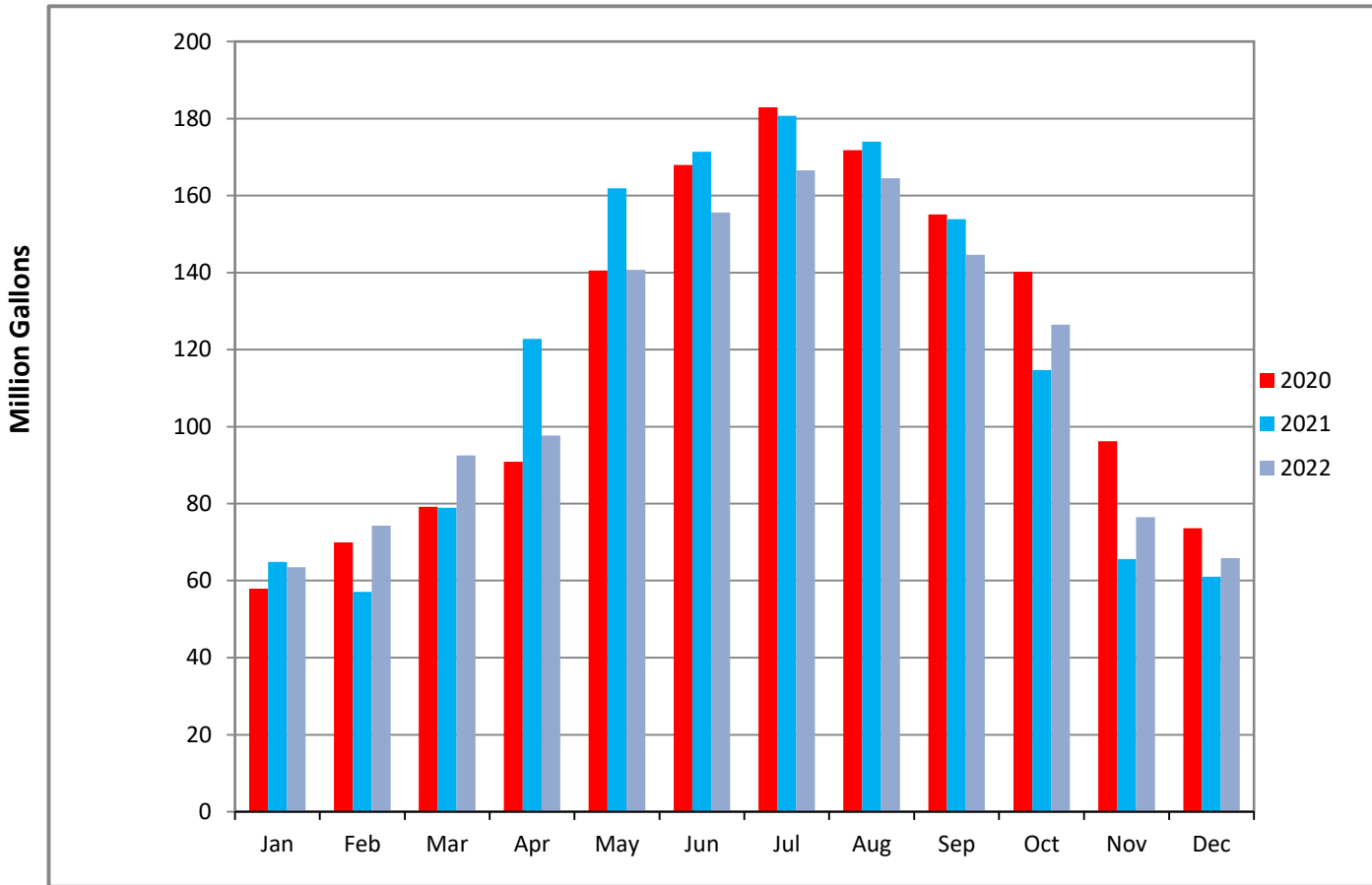
70 F

DEC-21 Low

31 F

DEC-21 Average

45.55 F

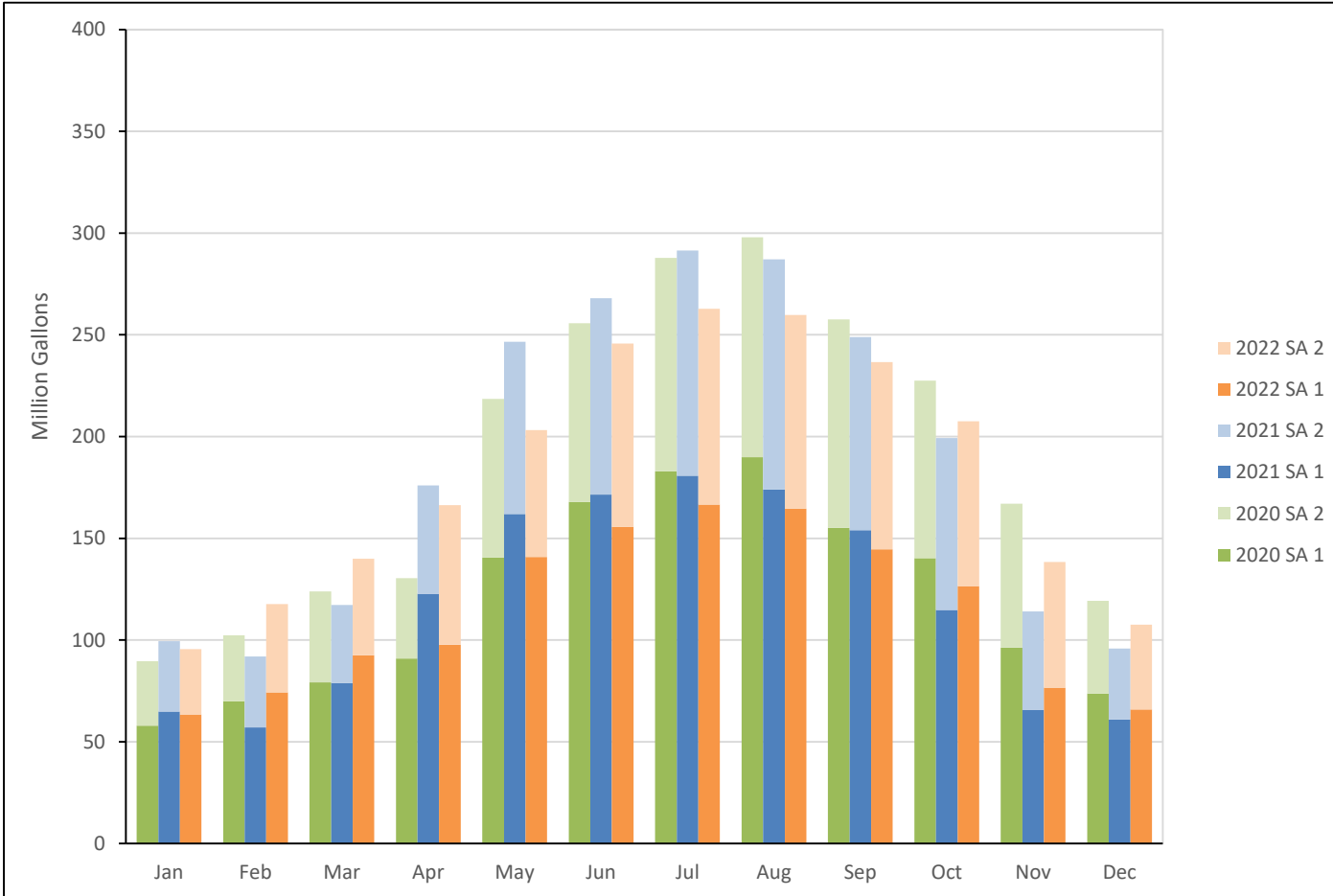




Elk Grove Water District

Total Demand/Production

Dec-2022



Current Month Demand/Production:

107,562,477 Gallons

***Change From December 2020:** -9.76%

GPCD: 73.8 Gallons per Day

R-GPCD: 60.7 Gallons per Day

Service Area 1

Active Connections: 7,937

Current Month Demand/Production:

65,813,605 Gallons

***Change From December 2020:** -10.61%

GPCD: 74.0 Gallons per Day

R-GPCD: 59.0 Gallons per Day

Service Area 2

Active Connections: 4,921

Current Month Demand/Production:

41,748,872 Gallons

***Change From December 2020:** -8.40%

GPCD: 73.6 Gallons per Day

R-GPCD: 63.5 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	96,201,714	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
Total	89,648,467	102,336,927	123,960,245	130,374,825	218,540,548	255,702,242	287,764,009	297,979,020	257,561,085	227,416,870	167,078,454	119,201,638	2,277,564,330

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
Total	99,434,490	91,955,724	117,173,426	175,916,035	246,629,449	267,950,023	291,555,659	287,066,169	248,899,609	199,287,108	114,109,630	95,894,373	2,235,871,695

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
Total	95,585,095	117,611,991	139,936,296	166,231,609	203,242,647	245,707,926	262,743,099	259,812,727	236,634,684	207,485,552	138,302,703	107,562,477	2,180,856,806

----- Monthly Percent Change - Comparing 2020 to 2022 -----

% Change	January	February	March	April	May	June	July	August	September	October	November	December	Total
GW (SA1)	9.61%	6.18%	16.78%	7.48%	0.12%	-7.35%	-8.95%	-13.32%	-6.76%	-9.81%	-20.46%	-10.61%	-5.23%
Purchased (SA2)	1.17%	33.79%	6.00%	73.54%	-19.84%	2.68%	-8.26%	-11.90%	-10.18%	-7.09%	-12.83%	-8.40%	-2.53%
Total	6.62%	14.93%	12.89%	27.50%	-7.00%	-3.91%	-8.69%	-12.81%	-8.12%	-8.76%	-17.22%	-9.76%	-4.25%
% Cumulative Change	6.62%	11.05%	11.77%	16.37%	8.69%	5.19%	1.88%	-1.02%	-2.06%	-2.83%	-3.94%	-4.25%	-4.25%

*Notes

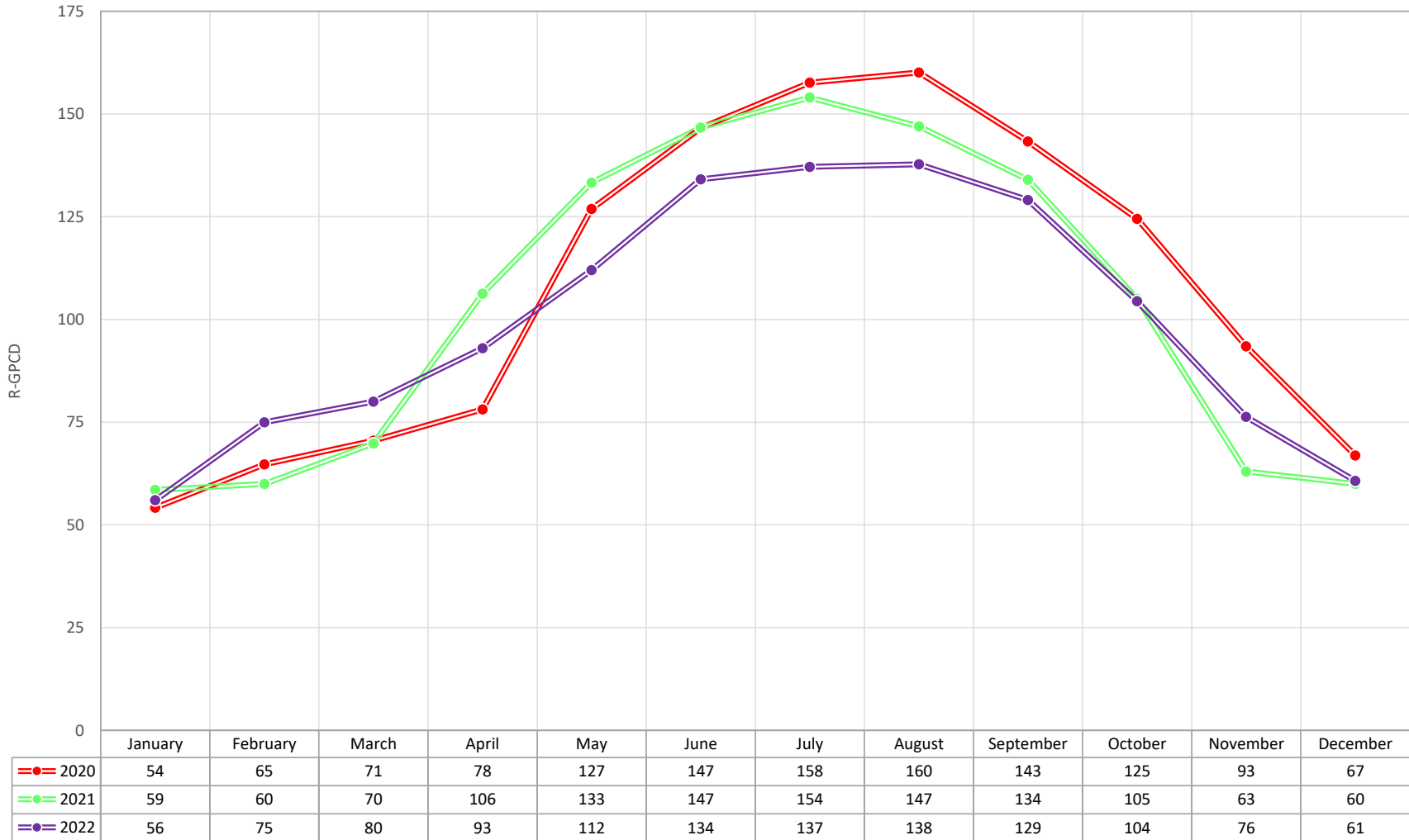
2020 August production number for SA1 includes water delivered through open interties with SA2.
 SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.
 Charlois and Springhurst Intertie 18,000,000 Gallons
 Charlois Intertie (Aug 2020) 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			
2022	# Accts	CCF	Gallons
Jan	4,902	42,935	32,115,380
Feb	4,906	57,981	43,369,788
Mar	4,908	63,439	47,452,372
Apr	4,908	91,696	68,588,608
May	4,908	83,549	62,494,652
Jun	4,912	120,469	90,110,812
Jul	4,889	128,538	96,146,424
Aug	4,912	127,406	95,299,688
Sep	4,912	122,998	92,002,504
Oct	4,912	108,298	81,006,904
Nov	4,920	82,601	61,785,548
Dec	4,921	55,814	41,748,872

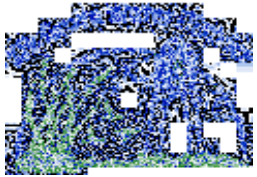


EGWD COMBINED R-GPCD

—●— 2020 —●— 2021 —●— 2022



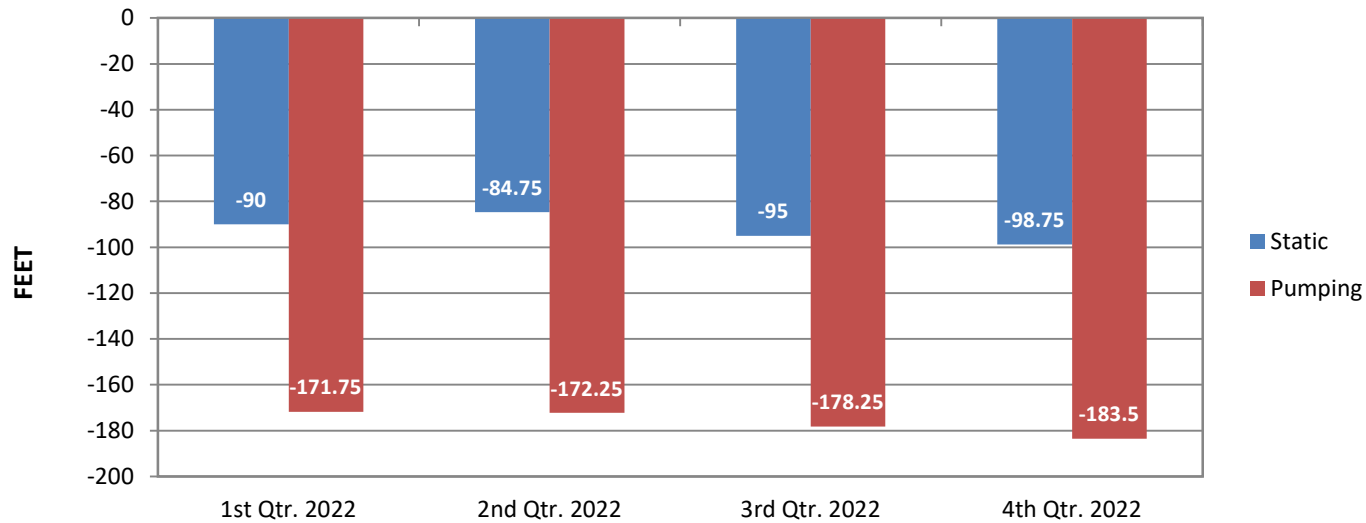
R-GPCD = Residential Gallons per Capita per Day



Elk Grove Water District

Static and Pumping Levels

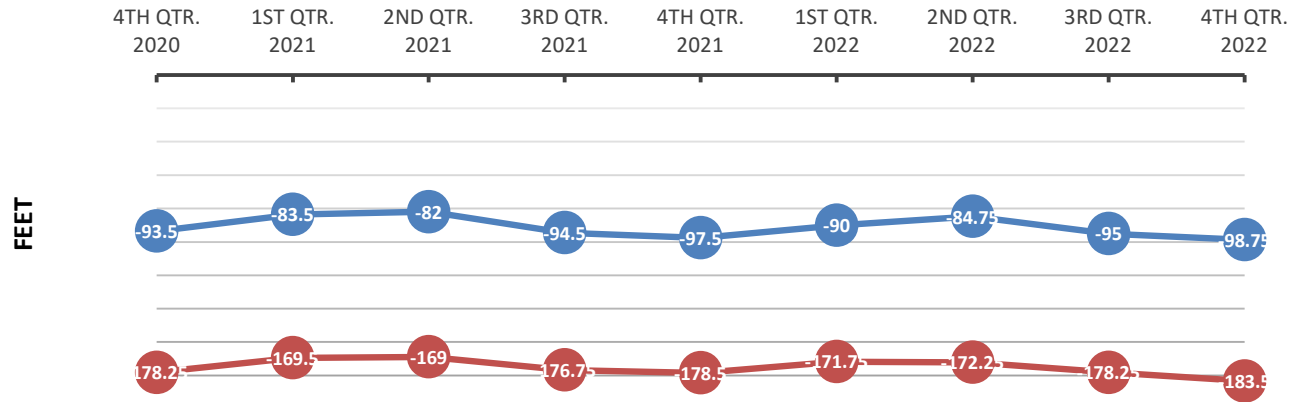
Well 1D School St



Latest Well Sounding

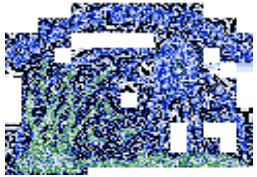
Static:	98.75 Ft
Pumping:	183.5 Ft
Drawdown:	84.75 Ft
GPM:	1,698
Specific Capacity:	20.031

Sounding Quarter/Year



Latest Sand Tester Results:

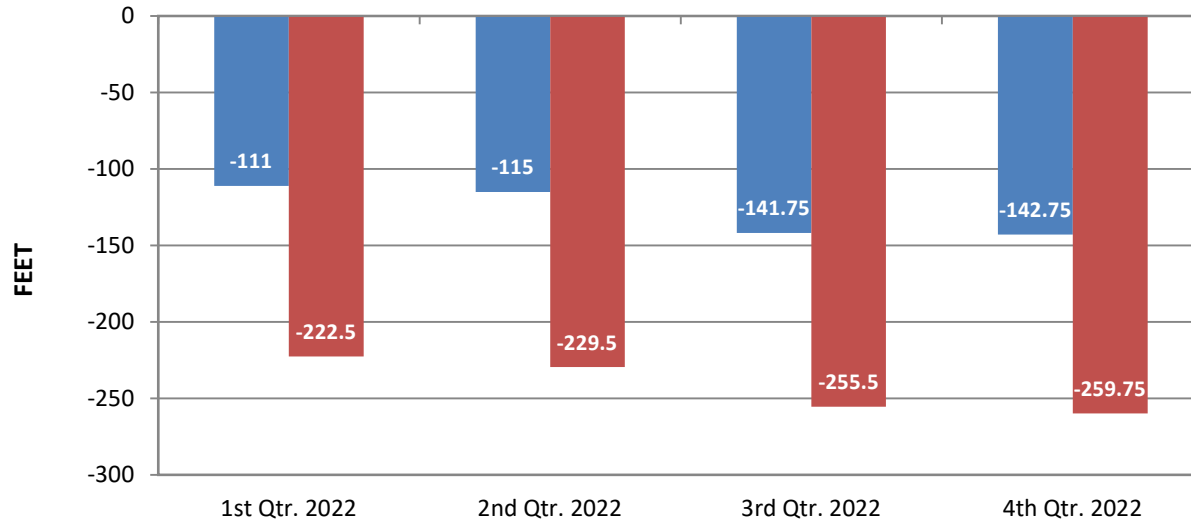
15 Min: -- ppm



Elk Grove Water District

Static and Pumping Levels

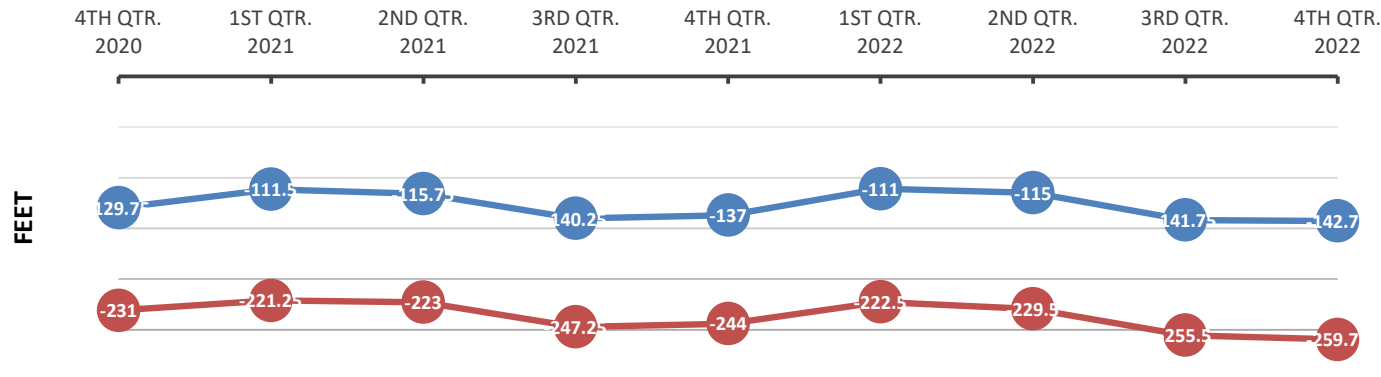
Well 4D Webb St



Latest Well Sounding

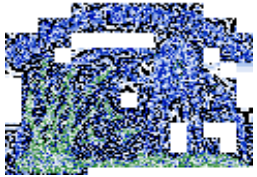
Static:	142.75 Ft
Pumping:	259.75 Ft
Drawdown:	117 Ft
GPM:	1,730
Specific Capacity:	14.786

Sounding Quarter/Year



Latest Sand Tester Results:

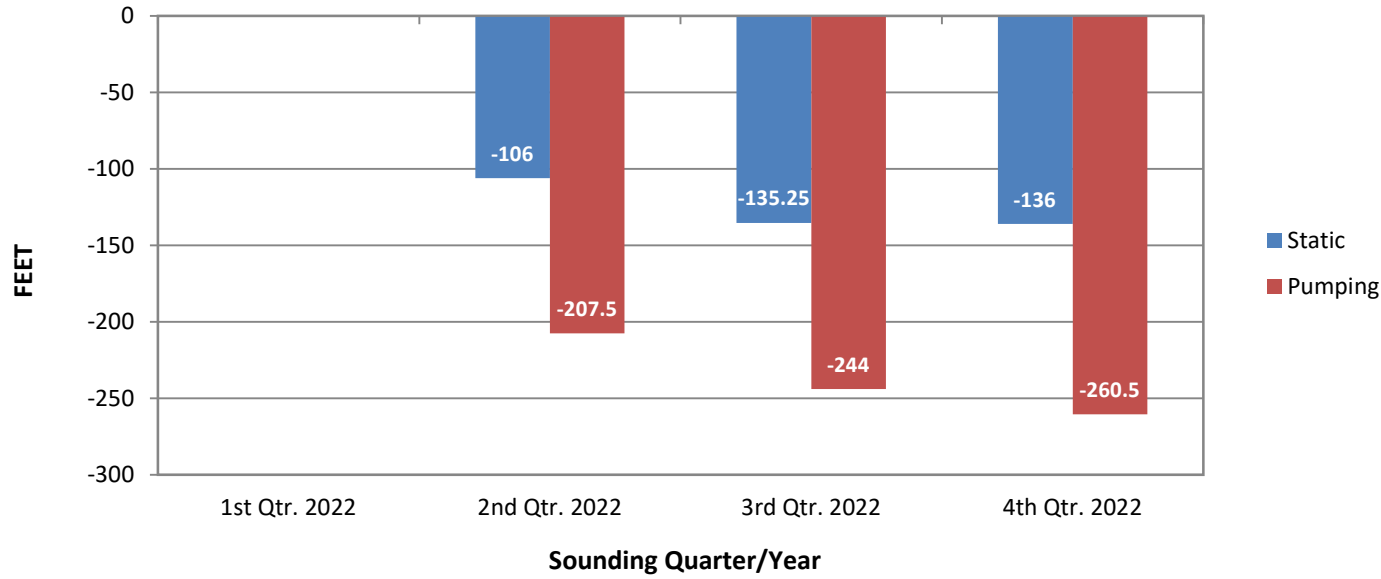
15 Min: -- ppm



Elk Grove Water District

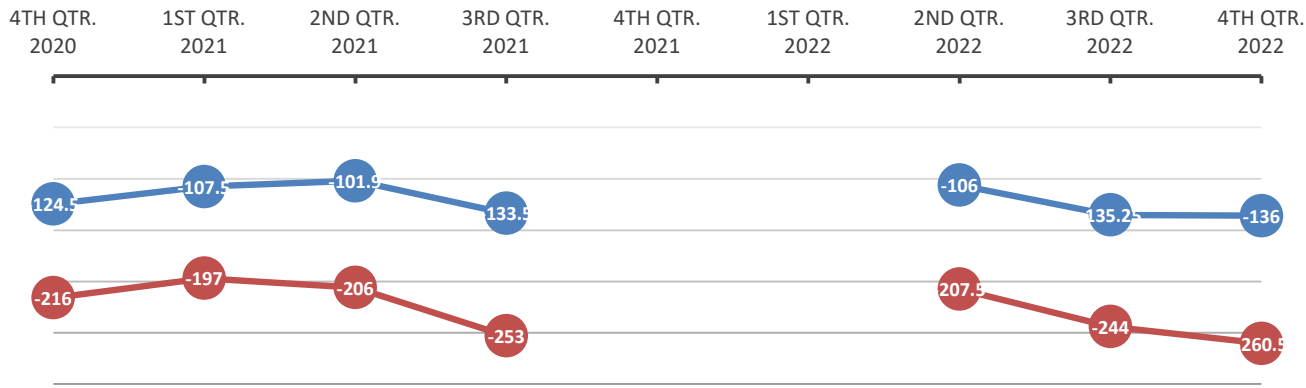
Static and Pumping Levels

Well 11D Dino



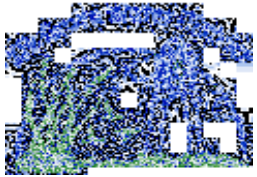
Latest Well Sounding

Static: 136 Ft
Pumping: 260.5 Ft
Drawdown: 124.5 Ft
GPM: 1,742
Specific Capacity: 13.991



Latest Sand Tester Results:

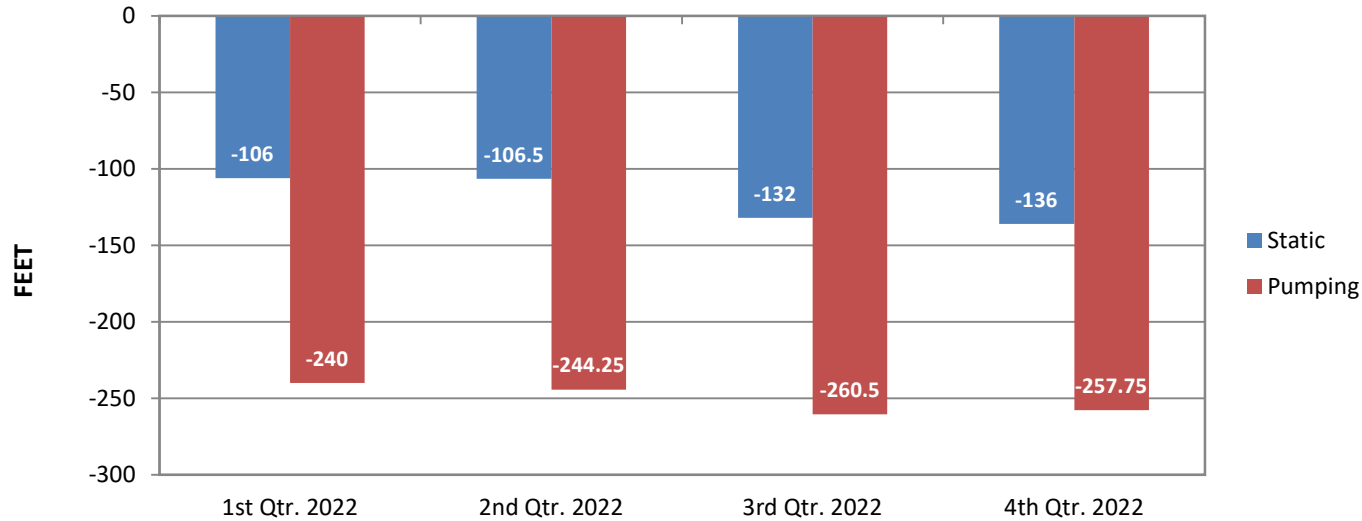
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

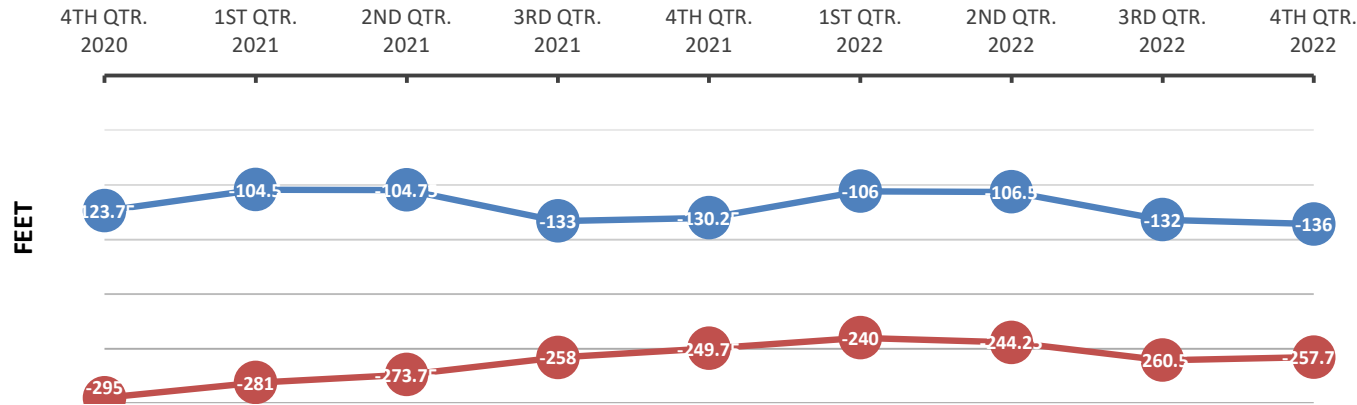
Well 14D Railroad



Latest Well Sounding

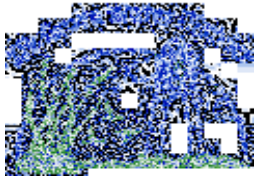
Static:	136 Ft
Pumping:	257.75 Ft
Drawdown:	121.75 Ft
GPM:	1,374
Specific Capacity:	11.286

Sounding Quarter/Year



Latest Sand Tester Results:

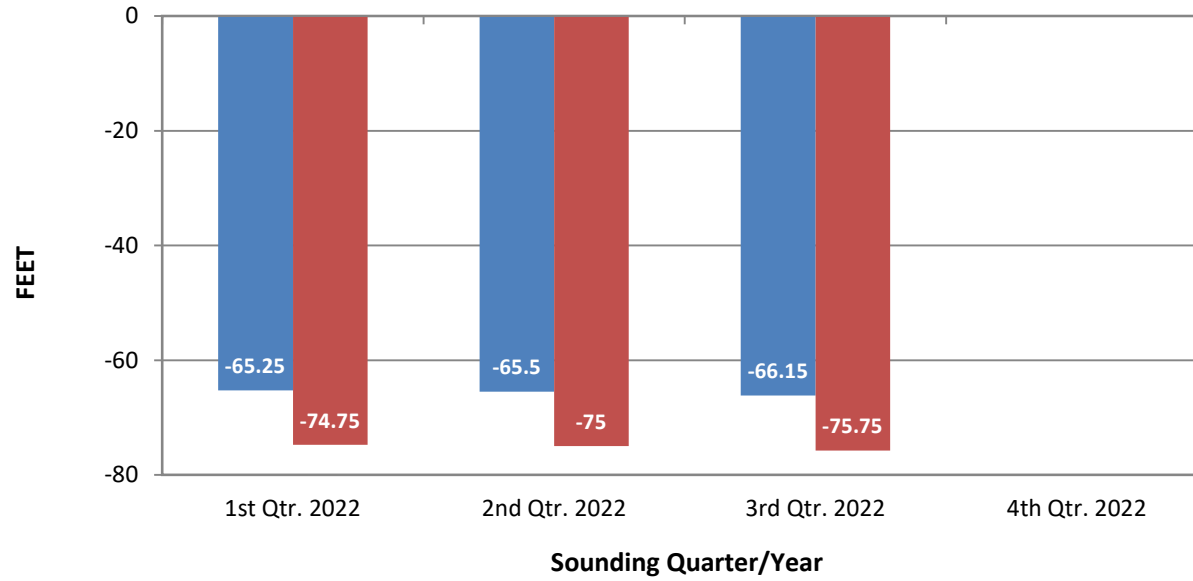
15 Min: -- ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson



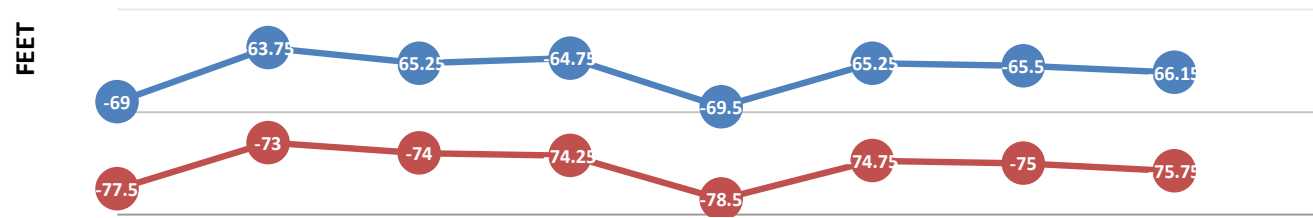
Latest Well Sounding

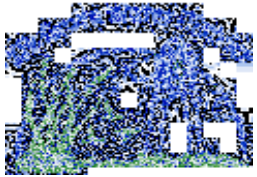
Static:	66.15 Ft
Pumping:	75.75 Ft
Drawdown:	9.6 Ft
GPM:	547
Specific Capacity:	56.965

4TH QTR. 2020 1ST QTR. 2021 2ND QTR. 2021 3RD QTR. 2021 4TH QTR. 2021 1ST QTR. 2022 2ND QTR. 2022 3RD QTR. 2022 4TH QTR. 2022

Latest Sand Tester Results:

15 Min: < 5 ppm

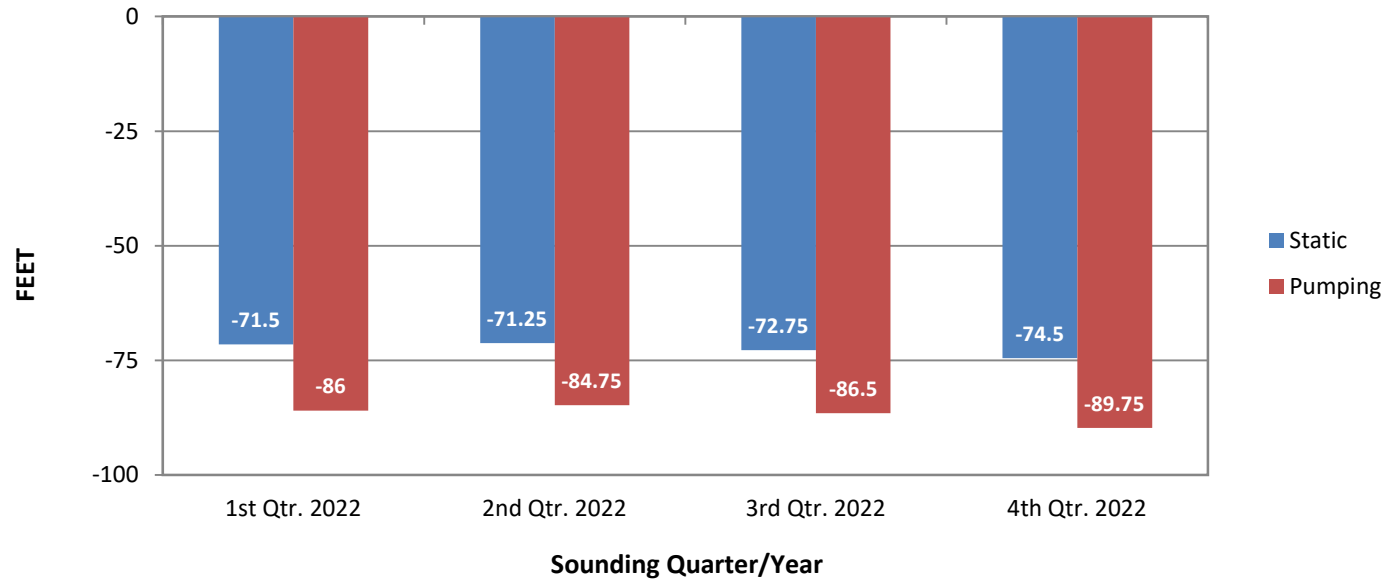




Elk Grove Water District

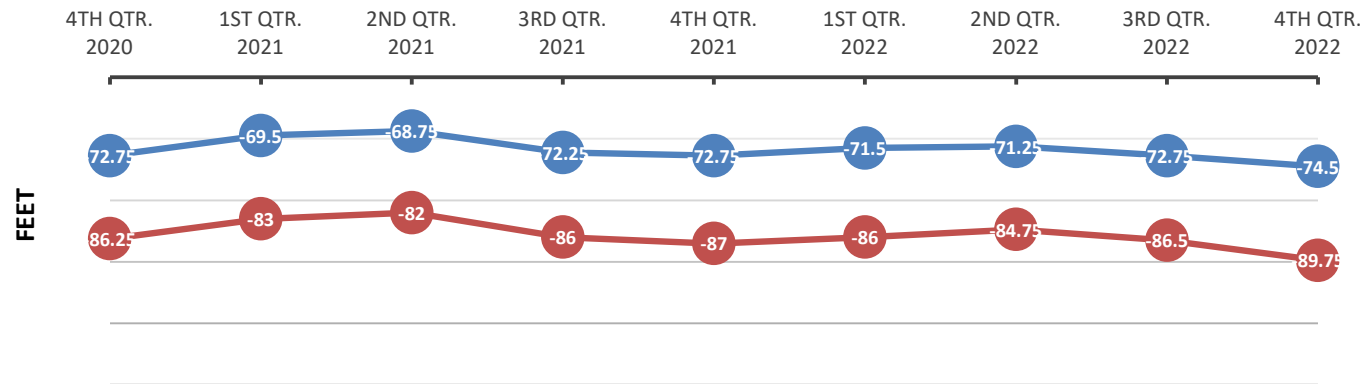
Static and Pumping Levels

Well 9 Polhemus



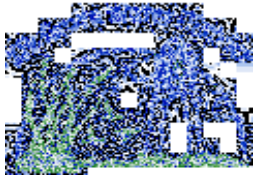
Latest Well Sounding

Static:	74.5 Ft
Pumping:	89.75 Ft
Drawdown:	15.25 Ft
GPM:	493
Specific Capacity:	32.313



Latest Sand Tester Results:

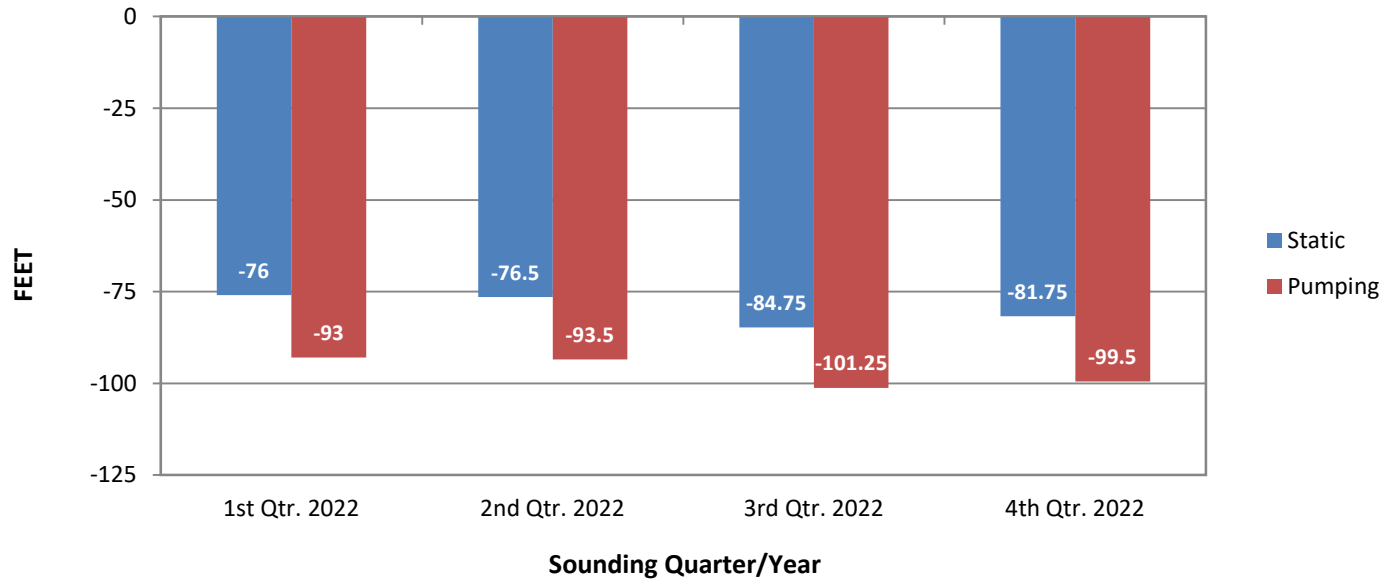
15 Min: -- ppm



Elk Grove Water District

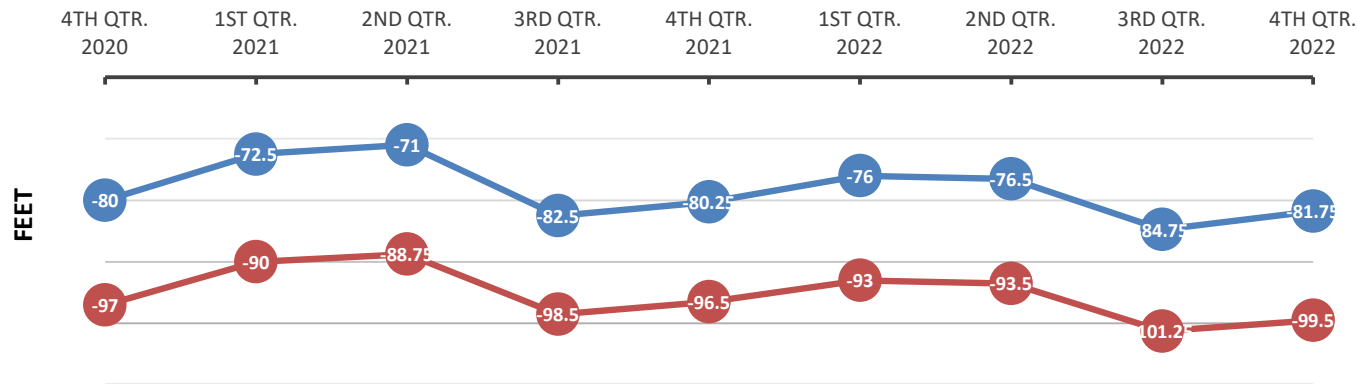
Static and Pumping Levels

Well 13 Hampton



Latest Well Sounding

Static:	81.75 Ft
Pumping:	99.5 Ft
Drawdown:	17.75 Ft
GPM:	969
Specific Capacity:	54.591



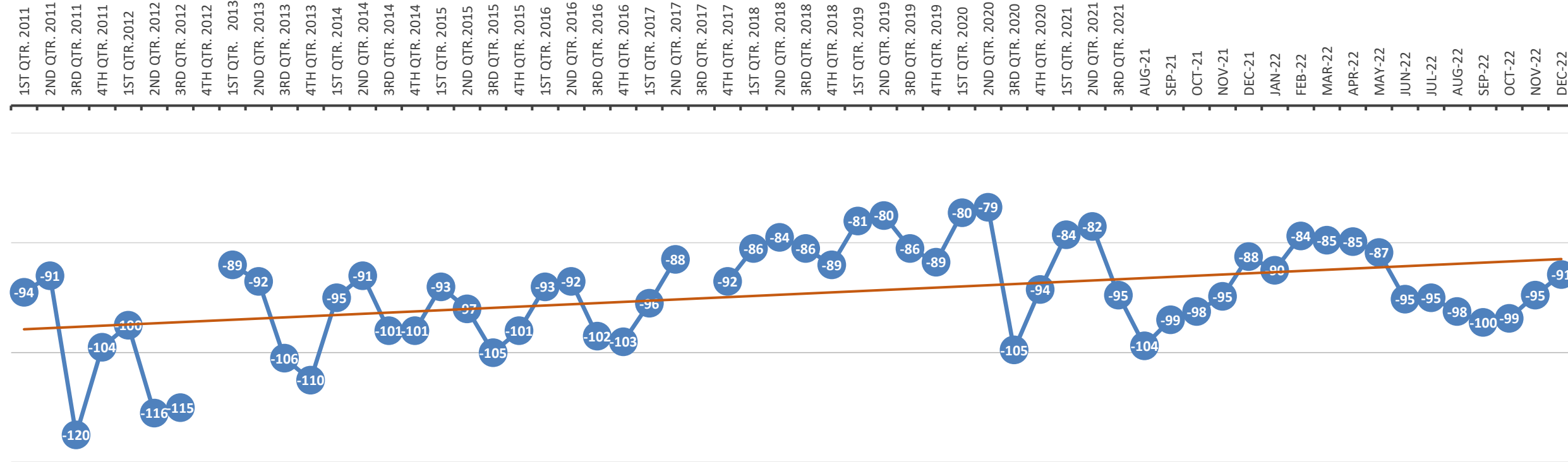
Latest Sand Tester Results:

15 Min: -- ppm

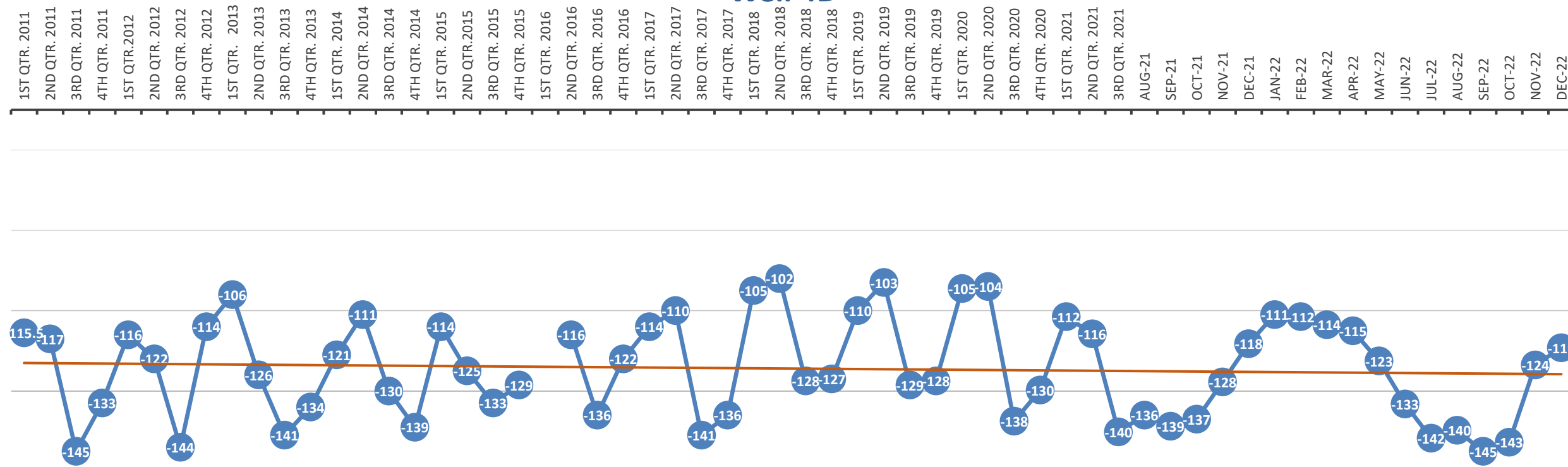


Historic Static Well Levels

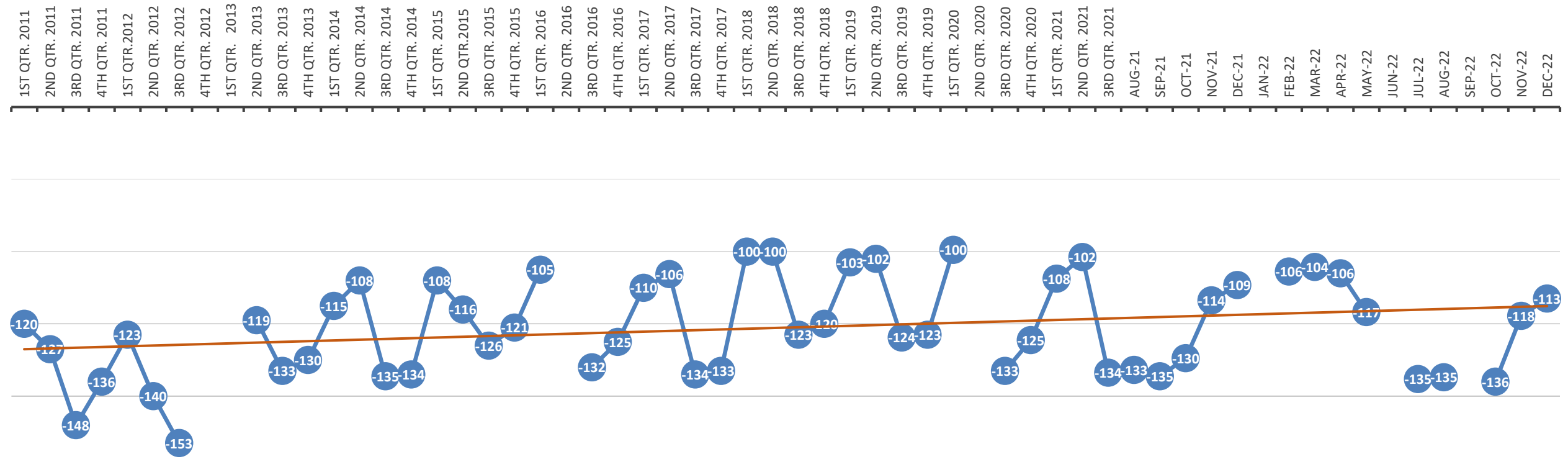
Well 1D



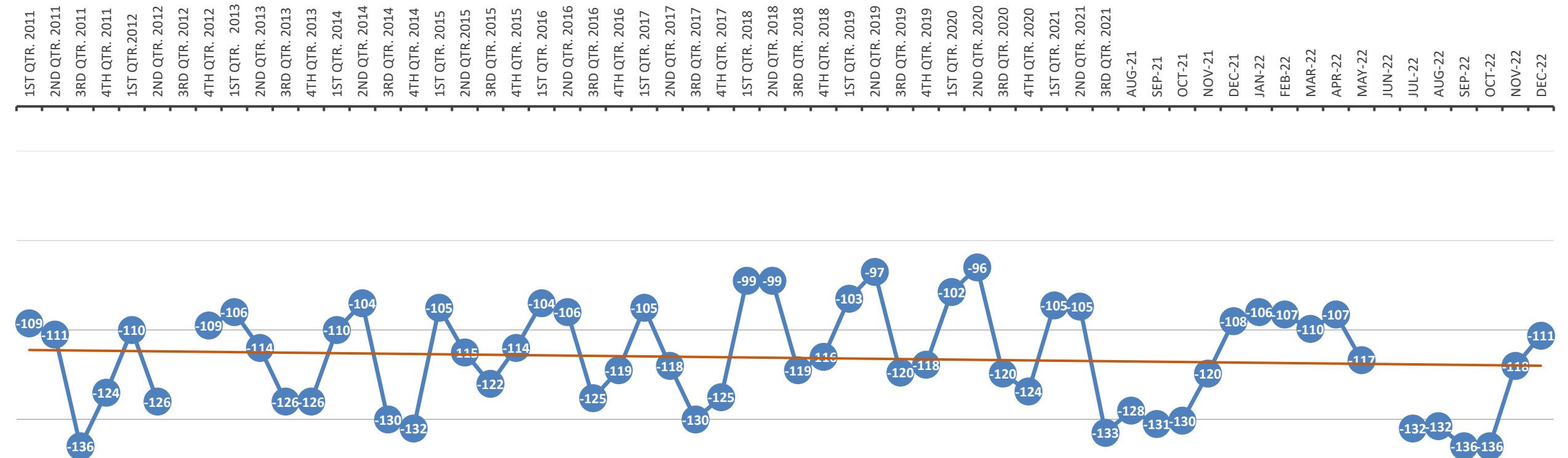
Well 4D



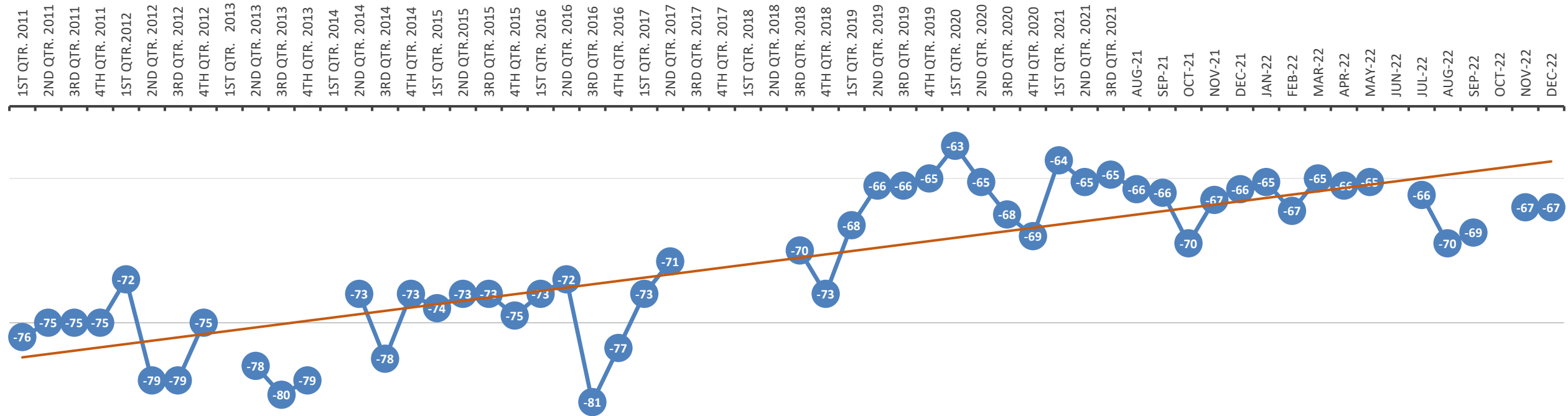
Well 11D



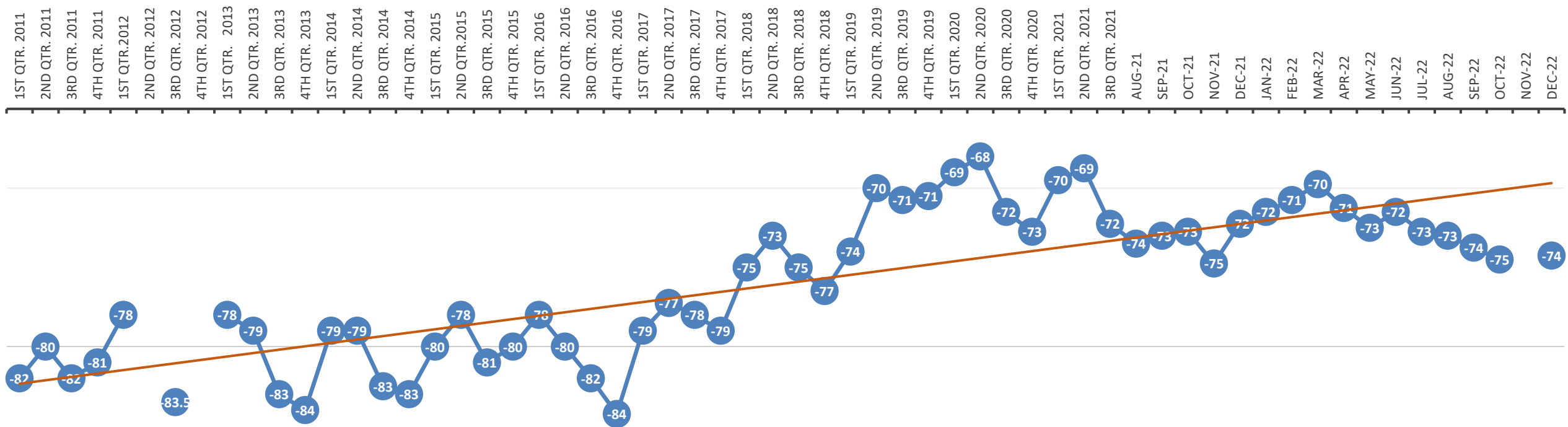
Well 14D



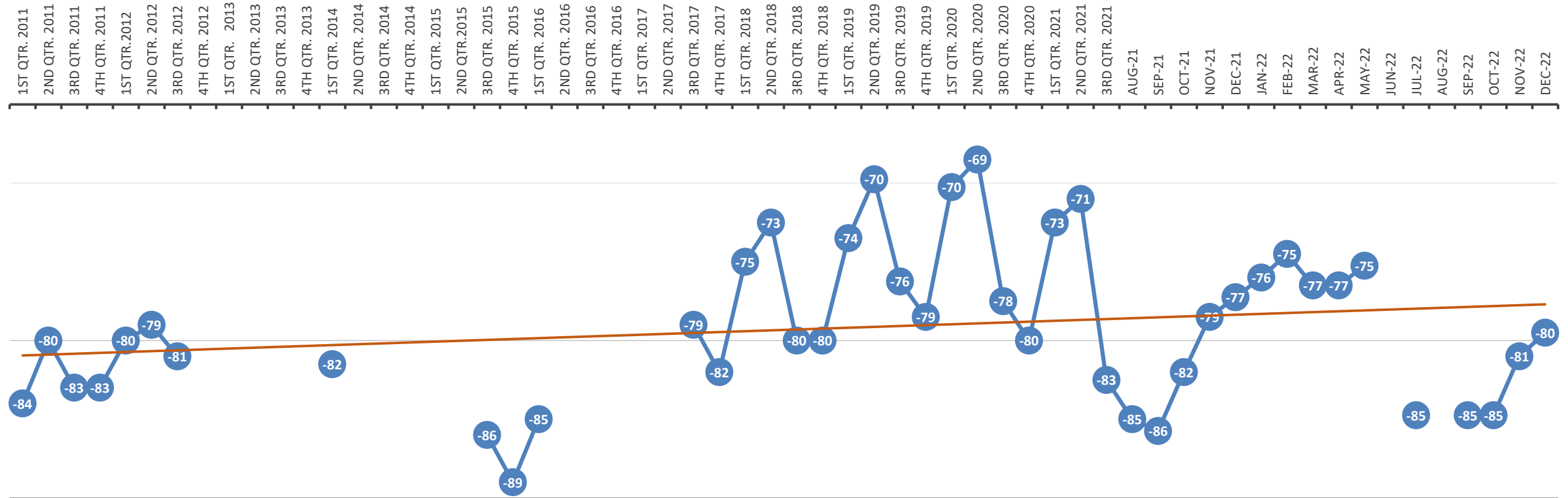
Well 8



Well 9



Well 13



Monthly Sample Report - December 2022
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: School Well 01D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
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Sampling Point: 02 - 9425 Emerald Vista

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 03 - 8809 Valley Oak

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
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Quarterly

Sampling Point: 04 - 10122 Glacier Point

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 06 - 9227 Rancho Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 07 - Al Gates Park Mainline Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: - Williamson Well 8 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/28/2022	Source Water	3 mo - Bacteriological	Quarterly
12/28/2022	Source Water	3 mo - Fe,Mn,As Total	Quarterly

Sampling Point: 08 - 9436 Hollow Springs Wy.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: Polhemus Well 9 Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
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Sampling Point: 09 - 8417 Blackman Wy.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week
12/6/2022	Distribution System	Fluoride	Week

Sampling Point: 11 - 9907 Kapalua Ln.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: 12-9205 Meadow Grove Dr.

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Distribution System	Bacteriological	Week
12/13/2022	Distribution System	Bacteriological	Week
12/20/2022	Distribution System	Bacteriological	Week
12/28/2022	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
			Quarterly

Sampling Point: Hampton Well 13 - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Source Water	Fe, Mn, As, Total	Weekly
12/12/2022	Source Water	Fe, Mn, As, Total	Weekly
12/20/2022	Source Water	Fe, Mn, As, Total	Weekly
12/27/2022	Source Water	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Effluent

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/6/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
12/12/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
12/20/2022	Treated Effluent	Fe, Mn, As, Total	Weekly
12/27/2022	Treated Effluent	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Backwash Tank

Sample Date	Sample Class	Sample Name	Collection Occurrence
			BiAnnual

Sampling Point: Railroad Well 14D - Raw Water

Sample Date	Sample Class	Sample Name	Collection Occurrence
			Quarterly

Sampling Point: Railroad WTP Effluent

Sample Date	Sample Class	Sample Name	Collection Occurrence
12/13/2022	Treated Plant Effluent	WTP Eff - Fe,Mn,As,Al Total	Month

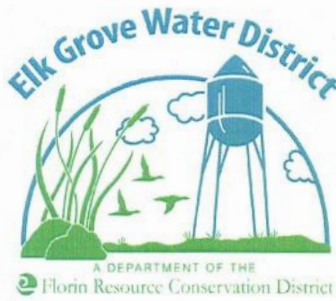
Sampling Point: Railroad WTP Backwash Tank

Sample Date	Sample Class	Sample Name	Collection Occurrence
			BiAnnual

Sampling Point: Special Distribution/Construction Samples

Sample Date	Sample Class	Sample Name	Collection Description
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<u>Colors</u>	<u>Monthly Total</u>	<u>Yearly Total</u>
Black = Scheduled	58	968
Green = Unscheduled	0	66
Red = Incomplete Sample	0	



January 5, 2023

Sacramento Regional County
Sanitation District
Environmental Specialist
10060 Goethe Rd.
Sacramento, CA. 95827

WASTEWATER DISCHARGE COMPLIANCE REPORT FORM

Enclosed is the Wastewater Discharge Compliance Report Form from Elk Grove Water District December 2022.

If you have any further questions, you may contact me at 916-585-9386

STEVE SHAW
WATER TREATMENT SUPERVISOR



January 4, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, CA. 95814

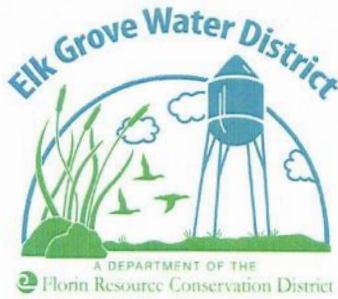
MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for December 2022.

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



January 4, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th 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 December 2022.

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

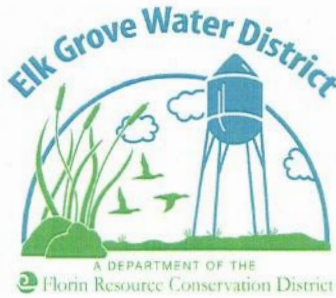
Elk Grove Water District

Hampton GWTP Monthly Report

PWS Number 3410008-013
 GWTP Name Hampton Water Treatment Plant

Month: December

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)							Weekly Average	
							Date	Fe, R	Fe, T	Mn, R	Mn, T	As, R	As, T	Inf. pH	Eff. pH
last day	24617.4		441976648		30605214	37371257									
1	24617.4	0	441976648	0	30605214	37371257	12/6/2022	0.011	0.047	0.012	0.006	2	<1	Inf. pH Eff. pH	
2	24617.4	0	441976648	0	30605214	37371257	12/12/2022	0.03	0.055	0.009	0.004	2	<1	Week 1: 7.0 to 7.4	
3	24617.4	0	441976648	0	30605214	37371257	12/20/2022	0.003	0.042	0.016	0.015	2	<2	CI2	0.82
4	24617.4	0	441976648	0	30605214	37371257	12/27/2022	0.007	0.068	0.007	0.004	2	1	Week 2: 7.0 to 7.4	
5	24617.4	0	441976648	0	30605214	37371257								CI2	0.82
6	24618.4	1	442033738	57090	30605214	37374559								Week 3: 7.1 to 7.6	
7	24618.4	0	442033738	0	30605214	37374559	Total Gallons Sodium Hypochlorite: 5.35 Gal							CI2	0.85
8	24618.4	0	442033738	0	30605214	37374559	Pounds per day 0.216 Lbs/Day							Week 4: 7.1 to 7.5	
9	24618.4	0	442033738	0	30605214	37374559	Dosage (Milligrams Per Liter @ 12.5% Cl) 1.8 mg/L							CI2	0.78
10	24618.4	0	442033738	0	30605214	37374559								Week 5: to	
11	24618.4	0	442033738	0	30605214	37374559	Total Gallons Ferric Chloride: 2.38 Gal							CI2	
12	24619.7	1.3	442106980	73242	30605214	37374559	Dosage (Milligrams Per Liter @ 38% FeCl) .65mg/L								
13	24619.7	0	442107131	151	30605214	37374559									
14	24619.7	0	442107131	0	30605214	37374559	Total Gallons Sodium Hydroxide: 2.57 Gal								
15	24619.7	0	442107131	0	30605214	37374559	Dosage (Gallons Per Hour @ 30% NaOH) 0.48 Gal/Hr								
16	24619.7	0	442107131	0	30605214	37374559									
17	24619.7	0	442107131	0	30605214	37374559	Total Gallons Sulfuric Acid : 2.44 Gal								
18	24619.7	0	442107131	0	30605214	37374559	Dose (Gallons Per Hour @ 93% H2SO4) 0.33 Gal/Hr								
19	24622.5	2.8	442256095	148964	30616015	37382255									
20	24623.8	1.3	442326059	69964	30616015	37387273	Total Backwashed 16,016 Gal		Total Run Hours 6.9Hours						
21	24623.8	0	442326059	0	30616015	37387273									
22	24623.8	0	442326059	0	30616015	37387273	Total Water Pumped 378,474 Gal		Total Backwash Waste 10,801 Gal						
23	24623.8	0	442326059	0	30616015	37387273									
24	24623.8	0	442326059	0	30616015	37387273	Reporting Limits/Units			Maximum Contaminant Levels (MCLs)					
25	24623.8	0	442326059	0	30616015	37387273	Iron = 0.100 mg/L			Iron (Fe) = 0.300 mg/L (Secondary)					
26	24623.8	0	442326059	0	30616015	37387273	Manganese = 0.010 mg/L			Manganese (Mn) = 0.050 mg/L (Secondary)					
27	24624.3	0.5	442355122	29063	30616015	37387273	Arsenic = 1.0 µg/L			Arsenic (As) = 10 µg/L (Primary)					
28	24624.3	0	442355122	0	30616015	37387273									
29	24624.3	0	442355122	0	30616015	37387273									
30	24624.3	0	442355122	0	30616015	37387273	Prepared By: Steve Shaw							Date: 1/4/2023	
31	24624.3	0	442355122	0	30616015	37387273									
Total		6.9		378,474	10,801	16,016									



January 5, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

MONTHLY FLUORIDATION MONITORING REPORT

Enclosed is the Monthly Summary of the Fluoridation Monitoring from Elk Grove Water District for December 2022.

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

ELK GROVE WATER DISTRICT AREA 2

DISTRIBUTION SYSTEM

MONTHLY FLUORIDATION MONITORING REPORT

December-22

Week	Location of Sample	Monitoring Results (mg/L)		
		Date	Time	Results
1	Hollow Springs	12/6/2022	9:50 AM	0.31
1	Kapalua	12/6/2022	8:22 AM	0.72
1	Al Gates Park	12/6/2022	10:25 AM	0.38
1	Oreo Ranch	12/6/2022	10:40 AM	0.63
1	Blackman	12/6/2022	12:30 PM	0.76
2	Hollow Springs	12/13/2022	9:50 AM	0.64
2	Kapalua	12/13/2022	10:17 AM	0.3
2	Al Gates Park	12/13/2022	10:59 AM	0.59
2	Oreo Ranch	12/13/2022	11:19 AM	0.44
2	Blackman	12/13/2022	12:54 PM	0.37
3	Hollow Springs	12/19/2022	9:27 AM	0.61
3	Kapalua	12/19/2022	10:06 AM	0.67
3	Al Gates Park	12/19/2022	10:39 AM	0.37
3	Oreo Ranch	12/19/2022	10:59 AM	0.3
3	Blackman	12/19/2022	12:23 PM	0.42
4	Hollow Springs	12/28/2022	9:35 AM	0.59
4	Kapalua	12/28/2022	10:15 AM	0.6
4	Al Gates Park	12/28/2022	10:57 AM	0.58
4	Oreo Ranch	12/28/2022	11:15 AM	0.59
4	Blackman	12/28/2022	12:40 PM	0.57
5	Hollow Springs			
5	Kapalua			
5	Al Gates Park			
5	Oreo Ranch			
5	Blackman			

Monthly fluoride split sample results:

Date: 12/6/2022

Water System Results: 0.63 mg/L

Approved Lab: 0.83 mg/L

Contact Name: Steve Shaw

Telephone : (916) 585-9386

System PWS Number: 3410008



January 4, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, CA 95814

**QUARTERLY REPORT FOR DISINFECTANT RESIDUALS COMPLIANCE
MONITORING**

Enclosed is the Quarterly Report for Disinfectant Residuals Compliance Monitoring from Elk Grove Water District for 4th Quarter 2022.

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 printed name.

STEVE SHAW
WATER TREATMENT SUPERVISOR

Quarterly Report for Disinfectant Residuals Compliance For Systems Using Chlorine or Chloramines

System Name: Elk Grove Water District Area 1

System No.: 3410008

Calendar Year: 2022

Quarter: 4th

1st Quarter			
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)	
Previous Year	April	0.96	
	May	0.99	
	June	1.00	
	July	0.94	
	August	1.00	
	September	0.99	
	October	0.96	
	November	0.99	
	December	0.89	
	Current Year	January	28 0.85
		February	28 0.79
		March	35 0.89
Running Annual Average (RAA):		0.94	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

2nd Quarter			
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)	
Previous Year	July	0.94	
	August	1.00	
	September	0.99	
	October	0.96	
	November	0.99	
	December	0.89	
	Current Year	January	0.85
		February	0.79
		March	0.89
		April	28 0.86
		May	35 0.92
		June	28 0.91
Running Annual Average (RAA):		0.92	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

3rd Quarter		
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)
Previous Yr	October	0.96
	November	0.99
	December	0.89
Current Year	January	0.85
	February	0.79
	March	0.89
	April	0.86
	May	0.92
	June	0.91
	July	28 0.87
	August	35 0.82
	September	28 0.84
	Running Annual Average (RAA):	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

4th Quarter		
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)
Current Year	January	0.85
	February	0.79
	March	0.89
	April	0.86
	May	0.92
	June	0.91
	July	0.87
	August	0.82
	September	0.84
	October	35 0.84
	November	28 0.88
	December	28 0.88
Running Annual Average (RAA):		0.86
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Comments: The Elk Grove Water District is split into two different water systems. Area 1 water is produced and distributed by Elk Grove Water District.

Signature: _____

Date: January 4, 2023 **205**

Quarterly Report for Disinfectant Residuals Compliance For Systems Using Chlorine or Chloramines

System Name: Elk Grove Water District Area 2

System No.: 3410008

Calendar Year: 2022

Quarter: 4th

1st Quarter			
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)	
Previous Year	April	1.19	
	May	1.21	
	June	1.17	
	July	1.14	
	August	1.13	
	September	1.09	
	October	0.94	
	November	0.87	
	December	0.89	
	Current Year	January	20 0.99
		February	20 1.01
		March	25 1.06
Running Annual Average (RAA):		1.06	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

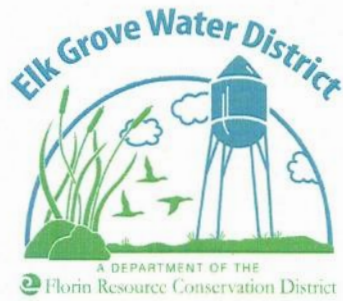
2nd Quarter			
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)	
Previous Year	July	1.14	
	August	1.13	
	September	1.09	
	October	0.94	
	November	0.87	
	December	0.89	
	Current Year	January	0.99
		February	1.01
		March	1.06
		April	21 1.09
		May	25 1.20
		June	20 1.21
Running Annual Average (RAA):		1.05	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

3rd Quarter		
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)
Previous Yr	October	0.94
	November	0.87
	December	0.89
Current Year	January	0.99
	February	1.01
	March	1.06
	April	1.09
	May	1.20
	June	1.21
	July	20 1.29
	August	25 1.20
	September	21 1.38
Running Annual Average (RAA):		1.09
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

4th Quarter		
Month	Number of Samples Taken	Monthly Avg. Chlorine Level (mg/L)
Current Year	January	0.99
	February	1.01
	March	1.06
	April	1.09
	May	1.20
	June	1.21
	July	1.29
	August	1.20
	September	1.38
	October	25 1.22
	November	20 0.82
	December	20 0.90
Running Annual Average (RAA):		1.11
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Comments: The Elk Grove Water District is split into two different water systems. Area 2 is whole sale water from Sacramento County Water Agency.

Signature:



January 4, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento, Ca. 95814

QUARTERLY SUMMARY OF RAW GROUNDWATER COLIFORM MONITORING

Enclosed is the Quarterly Summary of Raw Groundwater Coliform Monitoring report from Elk Grove Water District for 4th Quarter 2022.

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 printed name.

STEVE SHAW
WATER TREATMENT SUPERVISOR

QUARTERLY SUMMARY OF RAW GROUNDWATER COLIFORM MONITORING

Samples must be taken prior to chlorination

Water System Name

Elk Grove Water District

Water System Number

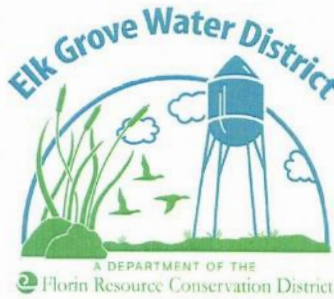
3410008

Sampling Period:

Month October - December 4th Quarter

Year 2022

Well Name	Status (On/Off)	Sample Time & Date	Total Coliforms (P/A, CFU or MPN)	<i>E. coli</i> (P/A, CFU or MPN)
Well # 1D School St.	ON	10/11/2022 9:04	A	A
Well # 4D Webb St.	ON	10/6/2022 9:05	A	A
Well # 11D Dino Dr.	ON	10/6/2022 9:15	A	A
Well 14D Railroad St.	ON	10/6/2022 8:40	A	A
Well # 8 Williamson	ON	12/28/2022 10:30	A	A
Well # 9 Polhemus	ON	10/6/2022 9:30	A	A
Well # 13 Hampton	ON	10/11/2022 12:35	A	A



January 4, 2023

State Water Resources Control Board
Division of Drinking Water
1001 I Street
13th Floor
Sacramento CA. 95814

**QUARTERLY TTHM AND HAA5 REPORT FOR DISINFECTION BYPRODUCTS
COMPLIANCE**

Enclosed is the Quarterly TTHM and HAA5 Report from Elk Grove Water District for the 4th quarter 2022.

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". The signature is stylized and fluid.

STEVE SHAW
WATER TREATMENT SUPERVISOR

Quarterly HAA5 Report for Disinfection Byproducts Compliance (in µg/L or ppb)

System Name: Elk Grove Water District System No.: 3410008 Year: 2022 Quarter: 4

Year:	2018				2019				2020				2021				2022			
Quarter:	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Sample Date (month/date):	1/10	4/10	7/3	10/9	1/15	4/9	7/16	10/22	2/4	4/7	7/14	10/6	1/19	4/6	7/6	10/5	1/11	4/5	7/12	10/11
Site Q1 HAA5 Results	0	0	0	0	29	28	0	0	0	19	0	0	0	21	0	0	0	0	0	0
Lcn. Running Annual Average	0	0	0	0	7	14	14	14	7	5	5	5	5	5	5	5	5	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	0	0	15	21	14	7	0	10	5	5	0	11	5	5	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q2 HAA5 Results																				
Lcn. Running Annual Average	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meets Standard? ¹ (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q3 HAA5 Results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lcn. Running Annual Average	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q4 HAA5 Results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lcn. Running Annual Average	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Quarterly Average	0	0	0	0	10	9	0	0	0	6	0	0	0	7	0	0	0	0	0	0
No. Samples This Quarter	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Identify the sample locations in the table below.

Site	Sample Location
Q1	9436 Hollow Springs
Q2	
Q3	8693 W. Camden
Q4	9230 Amsden Ct

Comments:

¹ Meets Standard - LRAA, calculated quarterly, is less than 60 ug/L

² Operation Evaluation Req'd - Projected LRAA, calculated quarterly, is greater than 60 ug/L



 Signature

 January 4, 2023
 Date

*If, during the first year of monitoring, any individual quarter's average will cause the running annual average of that system to exceed the standard, then the system is out of compliance at the end of that quarter.

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Quarterly TTHM Report for Disinfection Byproducts Compliance (in µg/L or ppb)

System Name: Elk Grove Water District System No.: 3410008 Year: 2022 Quarter: 4

Year:	2018				2019				2020				2021				2022			
Quarter:	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Sample Date (month/date):	1/10	4/10	7/3	10/9	1/15	4/9	7/16	10/22	2/4	4/7	7/14	10/6	1/19	4/6	7/6	10/5	1/11	4/5	7/12	10/11
Site Q1 TTHM Results	1	3	0	0	45	38	0	1	1	31	0	3	1	40	0	0	0	0	0	0
Lcn. Running Annual Average	1	2	1	1	12	21	21	21	10	8	8	9	9	11	11	10	10	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	1	1	23	30	21	10	1	16	8	9	1	21	10	10	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q2 TTHM Results																				
Lcn. Running Annual Average	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meets Standard? ¹ (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q3 TTHM Results	2	1	0	0	2	0	0	1	2	2	1	2	2	1	1	0	0	0	0	0
Lcn. Running Annual Average	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	1	0	1	1	1	0	1	2	1	1	1	1	1	1	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Site Q4 TTHM Results	1	1	0	1	3	1	0	0	2	3	0	1	1	1	1	0	0	0	0	0
Lcn. Running Annual Average	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Meets Standard? ¹ (check box)	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>
Projected LRAA Next Quarter	N/A	N/A	1	1	2	2	1	0	1	2	1	1	1	1	1	1	0	0	0	0
Op Evaluation Req'd? ² (check box)	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>	Yes <input type="checkbox"/>
Quarterly Average	1	2	0	0	17	13	0	1	2	12	0	2	1	14	1	0	0	0	0	0
No. Samples This Quarter	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

Identify the sample locations in the table below.

Site	Sample Location
Q1	9436 Hollow Springs
Q2	
Q3	8693 W. Camden
Q4	9230 Amsden Ct

Comments:

¹ Meets Standard - LRAA, calculated quarterly, is less than 80 ug/L

² Operation Evaluation Req'd - Projected LRAA, calculated quarterly, is greater than 80 ug/L


Signature

January 4, 2023
Date

*If, during the first year of monitoring, any individual quarter's average will cause the running annual average of that system to exceed the standard, then the system is out of compliance at the end of that quarter.

Elk Grove Water District

Preventative Maintenance Program

Groundwater Wells

		Monthly												Semi-annual		Annual			
		Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1ST 6-MO.	2ND 6-MO.	Refer.	2022
Well 14D Railroad	Initials	Sect: 7.1	AH	BW	AH	AH	BW	AH	AH	AH	AH	BW	AH	BW	Sect: 7.2	AH	AH/BW	Sect: 7.3	AH
	Date		1/3/22	2/24/22	3/2/22	4/14/22	5/16/22	6/22/22	7/13/22	8/11/22	9/22/22	10/6/22	11/17/22	12/15/22		6/21/22	11/30/22		10/19/22
	W.O. #		20385	20463	20536	20622	20689	20827	20915	20972	21108	21217	21296	21413		20834	21303		20765
Well 4D Webb	Initials	Sect: 8.1	AH	BW	BW	AH	AH	AH	BW	BW	BW	AH	AH	BW	Sect: 8.2	AH/BW	AH/BW	Sect: 8.3	AH
	Date		1/4/22	2/11/22	3/10/22	4/14/22	5/4/22	6/30/22	7/15/22	8/1/22	9/14/22	10/10/22	11/4/22	12/15/22		6/16/22	11/30/22		10/19/22
	W.O. #		20386	20464	20537	20623	20690	20828	20916	20973	21109	21218	21297	21414		20835	21304		20766
Well 11D Dino	Initials	Sect: 9.1	AH	AH	AH	AH	BW	AH	AH	BW	AH	AH	AH	BW	Sect: 9.2	AH	AH	Sect: 9.3	AH
	Date				3/28/22	4/19/22	5/2/22	6/27/22	7/12/22	8/1/22	9/22/22	10/12/22	11/18/22	12/14/22		6/21/22	12/6/22		10/19/22
	W.O. #		20387	20465	20538	20624	20691	20829	20917	20974	21110	21219	21298	21415		20836	21305		20767
Well 1D School	Initials	Sect: 13.1	AH	BW	AH	AH	AH	AH	AH	AH	AH	AH	AH	BW	Sect: 13.2	AH/BW	AH/BW	Sect: 13.3	AH
	Date		1/5/22	2/24/22	3/1/22	4/19/22	5/20/22	6/27/22	7/13/22	8/11/22	9/22/22	10/5/22	11/17/22	12/15/22		6/16/22	11/30/22		10/19/22
	W.O. #		20388	20466	20539	20625	20692	20830	20918	20975	21111	21220	21299	21416		20837	21306		20768
Well 8 Williamson	Initials	Sect: 11.1	BW	BW	BW	BW	BW	BW	BW	BW	BW	AH	BW	BW	Sect: 11.4			Sect: 11.4	AH
	Date		1/6/22	2/7/22	3/2/22	4/19/22	5/2/22	6/6/22	7/14/22	8/1/22	9/8/22		11/9/22	12/5/22		12/27/22			
	W.O. #		20389	20467	20540	20626	20693	20831	20919	20976	21112	21221	21300	21417		20769			
Well 9 Polhemus	Initials	Sect: TBD	BW	BW	BW	BW	BW	BW	BW	BW	BW	BW	BW	BW	Sect: TBD			Sect: TBD	AH
	Date		1/3/22	2/7/22	3/2/22	4/4/22	5/5/22	6/6/22	7/1/22	8/1/22	9/12/22	10/3/22	11/4/22	12/5/22		10/19/22			
	W.O. #		20390	20468	20541	20627	20694	20832	20920	20977	21113	21222	21301	21418		20770			
Well 13 Hampton	Initials	Sect: TBD	AH	AH	AH	AH	AH	AH	AH	BW	BW	AH	AH	AH	Sect: TBD	AH/BW	AH	Sect: TBD	AH
	Date		1/6/22	2/22/22	3/28/22	4/4/22	5/18/22	6/22/22	7/18/22	8/2/22	9/12/22	10/6/22	11/28/22	12/27/22		10/19/22			
	W.O. #		20391	20469	20542	20628	20695	20833	20921	20978	21114	21223	21302	21419		20838	21307		20771

= Well Offline

Year: 2022

Elk Grove Water District

Preventative Maintenance Program

Railroad Water Treatment and Storage Facility

Item	Monthly													Quarterly					Semi-annual				Annual	
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1 ST 6-	6- ^{2ND} 6-	Refer.	2022	
Clor-Tec System	Initials	Section: 4.2													Section: 4.3	AH				Section: 4.4	AH			
	Date	1/14/22	2/17/22	3/7/22	4/22/22	5/19/22	6/22/22	7/25/22	8/11/22	9/26/22	10/31/22	11/21/22	12/29/22	2/9/22		4/22/22	7/11/22	12/29/22	6/30/22		12/12/22	10/20/22		
	W.O. #	20392	20477	20547	20633	20681	20850	20905	20979	21121	21212	21289	21423	20481		20637	20909	21427	20847		21429	21262		
Filter System	Initials	Section: 5.1													Section: 5.2	AH		Section: 5.3	AH					
	Date	1/12/22	2/11/22	3/9/22	4/18/22	5/17/22	6/14/22	7/28/22	8/10/22	9/22/22	10/21/22	11/9/22	12/14/22	6/30/22		12/12/22	10/19/22							
	W.O. #	20393	20478	20548	20634	20682	20851	20906	20980	21122	21213	21290	21424	20847		21429	21262							
Backwash System	Initials	Section: 2.1													Section: 2.2	AH		Section: 2.3	AH					
	Date	1/28/22	2/15/22	3/9/22	4/25/22	5/18/22	6/28/22	7/25/22	8/8/22	9/22/22	10/12/22	11/21/22	12/14/22	6/16/22		12/12/22	10/19/22							
	W.O. #	20394	20479	20549	20635	20683	20852	20907	20981	21123	21214	21291	21425	20848		21430	20764							
Booster Pumps	Initials	Section: 3.1													Section: 1.1	AH				Section: 3.2	AH			
	Date	1/19/22	2/11/22	3/7/22	4/25/22	5/9/22	6/29/22	7/25/22	8/11/22	9/26/22	10/10/22	11/14/22	12/12/22	3/20/22		6/29/22	9/29/22	12/16/22	6/29/22		12/16/22	10/18/22		
	W.O. #	20395	20480	20550	20636	20684	20853	20908	20982	21124	21215	21292	21428	20551		20846	20910	21428	20846		21431	20763		
LAB	Initials																							
	Date																							
	W.O. #																							
Clear Wells	Initials																							
	Date																							
	W.O. #																							
MCC	Initials																							
	Date																							
	W.O. #																							

☐ = Maint. deferred

Year: 2022

Elk Grove Water District

Preventative Maintenance Program

Hampton Village Water Treatment Plant

Item	Monthly													Quarterly					Semi-annual				Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1 ST 6-	2 ND 6-	Refer.	2022		
Chemical Systems	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH	BW	AH	AH	AH	Section: TBD	AH	AH	AH	AH	Section: TBD	AH	AH	Section: TBD	AH/BW		
	Date	1/6/22	2/15/22	3/3/22	4/27/22	5/18/22	6/22/22	7/18/22	8/2/22	9/19/22	10/6/22	11/23/22	12/15/22	3/3/22	6/22/22	8/18/22	11/8/22	5/12/22							
	W.O. #	20396	20470	20552	20638	20678	20839	20902	20983	21115	21228	21308	21432	20555	20842	21037	21311	20642							
Filter System	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH	BW	AH	AH	AH	Section: TBD	AH	AH	AH	AH	Section: TBD	AH	AH	Section: TBD	AH		
	Date	1/6/22	2/15/22	3/3/22	4/27/22	5/18/22	6/22/22	7/18/22	8/2/22	9/19/22	10/6/22	11/23/22	12/15/22										6/30/22	12/15/22	8/26/22
	W.O. #	20397	20471	20553	20639	20679	20840	20903	20984	21116	21229	21309	21433										20844	21435	21437
Backwash System	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH	BW	AH	AH	AH	Section: TBD	AH	AH	AH	AH	Section: TBD	AH	AH	Section: TBD	AH		
	Date	1/6/22	2/15/22	3/3/22	4/27/22	5/18/22	6/22/22	7/18/22	8/2/22	9/19/22	10/6/22	11/23/22	12/15/22										6/30/22	12/15/22	8/26/22
	W.O. #	20398	20472	20554	20640	20680	20841	20904	20985	21117	21230	21310	21434										20845	21436	21438
LAB	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH	AH	AH	AH	AH	Section: TBD	AH	AH	AH	AH	Section: TBD	AH	AH	Section: TBD	BW		
	Date		3/3/22	6/22/22	8/24/22	11/8/22	10/19/22																		
	W.O. #		20556	20843	21038	21312	21264																		
MCC	Initials	Section: TBD	AH	AH	AH	AH	AH	AH	AH	AH	AH	AH	AH	Section: TBD	AH	AH	AH	AH	Section: TBD	AH	AH	Section: TBD	BW		
	Date		3/3/22	6/22/22	8/24/22	11/8/22	10/19/22																		
	W.O. #		20556	20843	21038	21312	21264																		

☐ = Maint. deferred

Elk Grove Water District

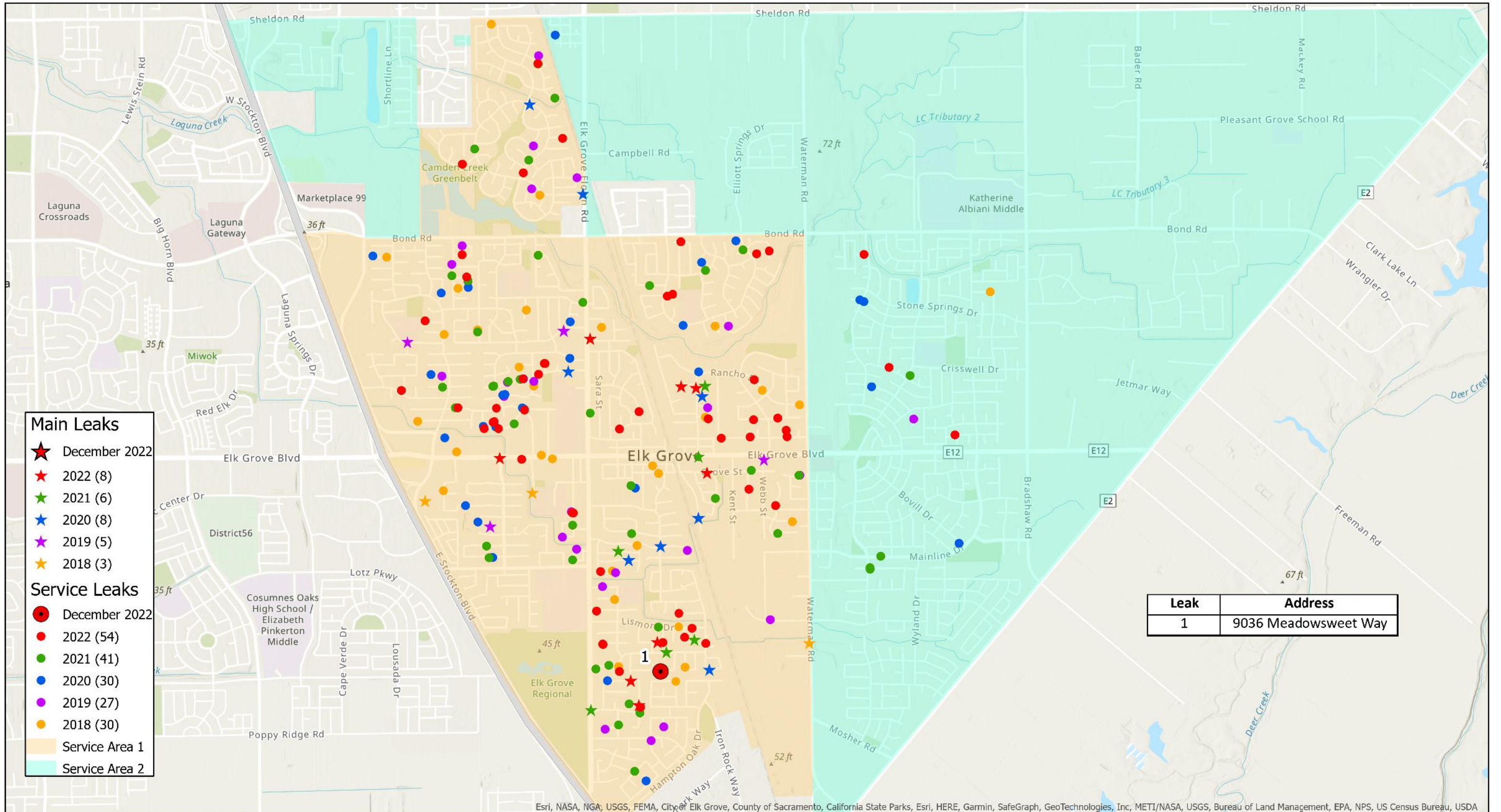
Preventative Maintenance Program

Standby Generators

Item	Monthly														Annual		
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	2022		
Railroad	Initials	Section: TBD														Section: TBD	AH
	Date	1/14/22	2/22/22	3/25/22	4/26/22	5/20/22	6/23/22	7/28/22	8/11/22	9/28/22	10/3/22	11/4/22	12/16/22	10/3/22			
	W.O. #	20399	20473	20543	20629	20685	20854	20911	20986	21118	21224	21293	21420	21227			
Webb	Initials	Section: TBD														Section: TBD	BW
	Date	1/12/22	2/10/22	3/2/22	4/27/22	5/9/22	6/28/22	7/26/22	8/17/22	9/27/22	10/17/22	11/4/22	12/15/22	8/17/22			
	W.O. #	20400	20474	20544	20630	20686	20855	20912	20987	21119	21225	21294	21421	21033			
Dino	Initials	Section: TBD														Section: TBD	BW
	Date	1/12/22	2/23/22	3/7/22	4/25/22	5/2/22	6/27/22	7/20/22	8/17/22	9/22/22	10/13/22	11/15/22	12/14/22	8/17/22			
	W.O. #	20401	20475	20545	20631	20687	20856	20913	20988	21120	21226	21295	21422	21035			
		= Load test															

Elk Grove Water District
 Safety Meetings/Training
 December 2022

Date	Topic	Attendees	Hosted By
12/5/2022	Slip, Trip and Falls	Alan Aragon, Stefan Chanh, Jaylyn Gordon-Ford, Aaron Hewitt, James Hinegardner, Brandon Kent, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Steve Shaw & Sean Hinton



- Main Leaks**
- ★ December 2022
 - ★ 2022 (8)
 - ★ 2021 (6)
 - ★ 2020 (8)
 - ★ 2019 (5)
 - ★ 2018 (3)
- Service Leaks**
- December 2022
 - 2022 (54)
 - 2021 (41)
 - 2020 (30)
 - 2019 (27)
 - 2018 (30)
- Service Area 1
 Service Area 2

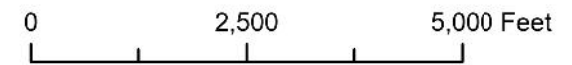
Leak	Address
1	9036 Meadowsweet Way

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

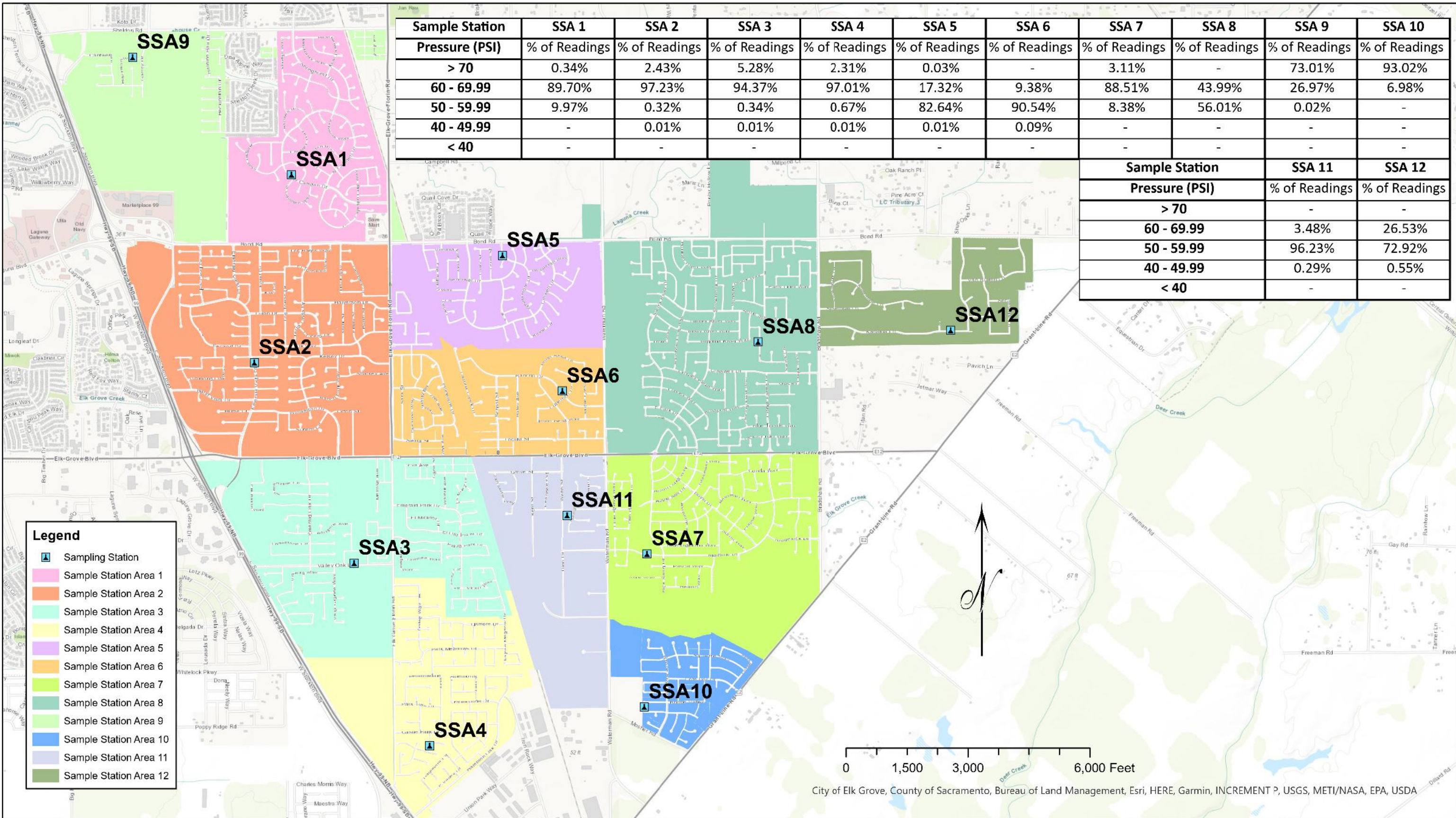
December 2022	
Main Line Leaks: 0	YTD: 8
Service Line Leaks: 1	YTD: 54
Total Leaks: 1	YTD: 62



Elk Grove Water District Main and Service Line Leaks Map



Elk Grove Water District	
Main & Service Line Leaks	
Created by: Richard Ko	
Date: January 5, 2023	



Sample Station	SSA 1	SSA 2	SSA 3	SSA 4	SSA 5	SSA 6	SSA 7	SSA 8	SSA 9	SSA 10
Pressure (PSI)	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings	% of Readings
> 70	0.34%	2.43%	5.28%	2.31%	0.03%	-	3.11%	-	73.01%	93.02%
60 - 69.99	89.70%	97.23%	94.37%	97.01%	17.32%	9.38%	88.51%	43.99%	26.97%	6.98%
50 - 59.99	9.97%	0.32%	0.34%	0.67%	82.64%	90.54%	8.38%	56.01%	0.02%	-
40 - 49.99	-	0.01%	0.01%	0.01%	0.01%	0.09%	-	-	-	-
< 40	-	-	-	-	-	-	-	-	-	-

Sample Station	SSA 11	SSA 12
Pressure (PSI)	% of Readings	% of Readings
> 70	-	-
60 - 69.99	3.48%	26.53%
50 - 59.99	96.23%	72.92%
40 - 49.99	0.29%	0.55%
< 40	-	-

- 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

December 2022



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

January 4, 2023