

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

## Agenda

Wednesday, May 15, 2019

6:30 PM

9257 Elk Grove Blvd.  
Elk Grove, CA 95624

### 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 for public inspection during normal business hours at the Administration building of Elk Grove Water District, located at 9257 Elk Grove Blvd. Elk Grove, California. In addition, such writings may be posted, whenever possible, on the Elk Grove Water District website at [www.egwd.org](http://www.egwd.org).

The Board will discuss all items on the agenda, and may take action on any item listed as an "Action" item. The Board may discuss items that do not appear on the agenda, but will not act on those items unless there is a need to take immediate action and the Board determines by a two-thirds (2/3) vote that the need for action arose after posting of the agenda.

If necessary, the Meeting will be adjourned to Closed Session to discuss items on the agenda listed under "Closed Session." At the conclusion of the Closed Session, the meeting will reconvene to "Open Session."

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

### **Public Comment – Please complete a Request to Speak Form if you wish to address the Board.**

Members of the audience may comment on matters that are not included on the agenda. Each person will be allowed three (3) minutes, or less if a large number of requests are received on a particular subject. No action may be taken on a matter raised under "Public Comment" until the matter has been specifically included on an agenda as an action item. Items listed on the agenda will be opened for public comment as they are considered by the Board of Directors.

## 1. Proclamations and Announcements

Associate Director Comment

Public Comment

2. **Consent Calendar** (Stefani Phillips, Secretary and Patrick Lee, Treasurer)
  - a. Minutes of Regular Board Meeting of April 17, 2019
  - b. Minutes of Special Board Meeting of April 24, 2019
  - c. Warrants Paid – April, 2019
  - d. Active Accounts – April, 2019
  - e. Bond Covenant Status for FY 2018-19 – April, 2019
  - f. Revenues and Expenses – Actual vs Budget FY 2018- 19 – April, 2019
  - g. Cash Accounts – April, 2019
  - h. Consultants Expenses – April, 2019
  - i. Major Capital Improvement Projects – April, 2019

Associate Director Comment

Public Comment

**Recommended Action: Approve Florin Resource Conservation District Consent Calendar items a-i.**

- 3. Committee Meetings** (Stefani Phillips, Board Secretary)  
a. Minutes of Infrastructure Committee Meeting on April 10, 2019

Associate Director Comment

Public Comment

**Recommended Action: Accept the minutes of the Infrastructure Committee Meeting held on Wednesday, April 10, 2019.**

- 4. Elk Grove Water District Operations Report – April, 2019**  
(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

- 5. Regional Water Authority Project Agreements**  
(Bruce Kamilos, Assistant General Manager)

Associate Director Comment

Public Comment

**Recommended Action: Authorize the General Manager to:**

- 1) Execute a project agreement in an amount not-to-exceed \$18,000 with the Regional Water Authority for the Sacramento Regional Water Bank, Phase 1, and**
- 2) Execute a project agreement in an amount not-to-exceed \$4,000 with the Regional Water Authority for an Aquifer Storage and Recovery Feasibility Study.**

- 6. Regional Water Authority Board of Director Alternate Appointments**  
(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

**Recommended Action: Appoint:**

- 1) General Manager Mark Madison as a representative from the Florin Resource Conservation District Executive Staff to the Regional Water Authority Board of Directors; and**
- 2) Assistant General Manager Bruce Kamilos as an alternate representative from the Florin Resource Conservation District Executive Staff to the Regional Water Authority Board of Directors.**

**7. Draft Elk Grove Water District Fiscal Year 2019-20 Operating Budget**

(Patrick Lee, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

**8. Elk Grove Water District Fiscal Year 2020-24 Capital Improvement Program**

(Bruce Kamilos, Assistant General Manager)

Associate Director Comment

Public Comment

**Recommended Action:** Approve Resolution 05.15.19.01 adopting the Elk Grove Water District Fiscal Year 2020-24 Capital Improvement Program and approving an appropriation of \$1,838,000 from designated reserve funds to the Fiscal Year 2019-20 Capital Improvement Program budget.

**9. Proposed Ordinances: Prohibition Of Water Theft And Tampering With District Facilities, Provisions For Claims And Lawsuits, And Provisions Of Water Service** (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

**Recommended Action:** Adopt:

- 1) Ordinance 05.15.19.01 prohibiting the theft of water and tampering with District facilities, and
- 2) Ordinance 05.15.19.02 prescribing provisions for claims and lawsuits, and
- 3) Ordinance 05.15.19.03 prescribing provisions of water service; replacing Ordinance 06.22.11.01 and making certain findings and determinations in connection therewith.

**10. Outside Agency Meetings Report** (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

**11. Legislative Report** (Sarah Jones, Program Manager)

Associate Director Comment

Public Comment

**12. Directors Comments**

Adjourn to Regular Meeting – June 19, 2019

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Stefani Phillips, Board Secretary and Patrick Lee, Treasurer  
SUBJECT: **CONSENT CALENDAR**

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### **RECOMMENDATION**

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

### **SUMMARY**

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

By this action, the Board will approve Florin Resource Conservation District Consent Calendar items a – i.

### **DISCUSSION**

#### **Background**

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

#### **Present Situation**

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

### **ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

### **STRATEGIC PLAN CONFORMITY**

Fiscal stability is in conformity with the District's Business Practice goals of the 2012-2017 Strategic Plan.

May 15, 2019

**CONSENT CALENDAR**

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**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

Wednesday, April 17, 2019

The regular meeting of the Florin Resource Conservation District Board of Directors was called to order at 6:30 p.m. by Tom Nelson, Chairperson, at 9257 Elk Grove Blvd., Elk Grove, CA.

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

Directors Present: Bob Gray, Tom Nelson, Lisa Medina, Sophia Scherman, Elliot Mulberg  
Directors Absent: None  
Staff Present: Mark Madison, General Manager; Bruce Kamilos, Assistant General Manager; Patrick Lee, Treasurer; Stefani Phillips, Board Secretary  
Staff Absent: Sarah Jones, Program Manager; Donella Murillo, Finance Supervisor  
Associate Directors Present: Shahid Chaudhry  
Associate Directors Absent: None  
General Counsel Present: Ren Nosky, Nosky Legal Group

### Public Comment

#### 1. Proclamations and Announcements

General Manager Mark Madison announced the receipt of an award from Government Finance Officers Association (GFOA) to Florin Resource Conservation District (FRCD)/Elk Grove Water District (EGWD). FRCD/EGWD received their 10<sup>th</sup> consecutive annual certificate of achievement for excellence in financial reporting for the 2018 comprehensive annual financial report. Mr. Madison read the press release to the FRCD Board of Directors (Board).

#### 2. Consent Calendar

- a. Regular Board Meeting Minutes of March 20, 2019
- b. Minutes of Special Board Meeting of March 27, 2019
- c. Warrants Paid – March, 2019
- d. Active Accounts – March, 2019
- e. Bond Covenant Status for FY 2018- 19 – March, 2019
- f. Revenues and Expenses – Actual vs Budget FY 2018- 19 – March, 2019
- g. Cash Accounts – March, 2019
- h. Consultants Expenses – March, 2019
- i. Major Capital Improvement Projects – March, 2019

MSC (Mulberg/Medina) to approve FRCD Consent Calendar items a-i. 5/0: Ayes: Gray, Medina, Mulberg, Nelson and Scherman.

#### 3. Committee Meetings

There were no committee meetings held in the month of March.

#### 4. Elk Grove Water District Operations Report – March 2019

Mr. Madison presented the EGWD Operations Report – March 2019 to the Board.

Mr. Madison highlighted that two (2) new graphs have been added to the Operations Report. The first graph illustrates door hangers and shut off tags, which indicates a consistency of trends year to year. The second graph illustrates combined Residential Gallons per Capita per Day (R-GPCD).

## 5. Elk Grove Water District Fiscal Year 2018-19 Quarterly Operating Budget Status Report

Financial Manager Patrick Lee presented the Fiscal Year (FY) 2018-19 Quarterly Operating Budget Status Report to the Board.

In summary, the revenues collected through the third quarter of the FY total \$11,057,756 which is 74.61% of the \$14,821,253 annual budget. The revenues are \$21,402 or 0.19% above the same quarter of the prior FY. Although there was a 3.0% revenue adjustment that went into effect on January 1, 2018, resulting in slightly higher revenues for the first 2 quarters of the FY 2018-19, that increase was offset by the decrease in revenues during the winter months due to the rainy weather as consumption decreased.

Director Elliot Mulberg questioned if EGWD is planning on spending more in capital expenses in the next three (3) months. Mr. Madison requested to hold off on the question until next agenda item.

## 6. Elk Grove Water District Fiscal Year 2018-19 Quarterly Capital Reserve Status Report

Mr. Lee presented the FY 2018-19 Quarterly Capital Reserve Status Report to the Board.

In summary, through the third quarter of FY 2018-19, EGWD expended \$299,937 for capital projects and \$2,008 for elections, leaving a remaining total reserve balance at March 31, 2019 of \$13,837,387. Total amount expended of \$299,937 for capital projects includes \$208,343 of expenditures related to projects carrying over from the prior year but not budgeted for in the FY 2018-19 Capital Improvement Program (CIP).

Mr. Lee responded to Mr. Mulberg's previous question stating that EGWD expects to see capital expenditures increase this month. EGWD will be paying invoices for the Backyard Water Mains Replacement Project – Elk Way, Railroad Treatment Plant Parking Lot Paving Project, and the truck purchase for replacement of truck #407.

Associate Director Shahid Chaudhry inquired about the truck purchase. Mr. Madison responded that the truck is on order and the bed is currently being fabricated.

## 7. Amendment to Professional Services Agreement for Information Technology Services

Mr. Madison presented the Amendment to Professional Services Agreement (PSA) for Information Technology (IT) Services to the Board.

EGWD has received IT services from Solutions by BG, Inc. (Consultant) since 2005. The Consultant continues to provide vital IT services to EGWD through an outdated agreement. To properly continue the services provided by the Consultant, it was necessary to update the PSA between EGWD and the Consultant to reflect new service terms and conditions to cover technological advances and threats. The updated PSA between EGWD and the Consultant includes a provision for the Consultant to add an IT Technician (IT Tech) position to the PSA, in addition to the Principal Consultant position, dependent on the service needs of EGWD. It has been determined by EGWD that the addition of the IT Tech position by the Consultant is necessary to provide the level of service required to maintain IT functions.

If approved by the Board, EGWD would execute a change order to the PSA with the Consultant to provide IT services, in an amount not to exceed (NTE) \$247,725 over a 3-year term.

Mr. Mulberg suggested a caveat be added that when the contract is due to end, staff makes a strong effort to go out to bid for these services and not sole source it.

MSC (Mulberg/Medina) to authorize the General Manager to execute a change order to the professional services agreement with Solutions by BG, Inc. to provide IT services, in an amount not-to-exceed \$247,725 over a 3-year term. 5/0: Ayes: Gray, Medina, Mulberg, Nelson and Scherman.

## **8. Proposed Ordinances For Review: Prohibition Of Water Theft And Tampering With District Facilities, Provisions For Claims And Lawsuits, And Provisions Of Water Service**

Mr. Madison presented the agenda item to the Board and provided background stating that during the March 20<sup>th</sup> 2019 Board meeting, it was determined the Board would review the three (3) proposed ordinances and staff would bring the ordinances back to the April Board meeting to discuss questions and comments.

Discussion occurred regarding Prohibition of Water Theft and Tampering with District Facilities Ordinance. It states that the decision by the District General Manager or, if appealed, the Board of Directors, shall be final. Vice-Chairperson Bob Gray informed staff that the decision by the District General Manager (GM) is not final.

Ren Nosky, Nosky Legal Group proposed that the Board does not have to designate the GM or any specific individual and suggested that the Ordinance should read, "the hearing officer as designated by the GM". Mr. Madison stated that the language will be revised in the final document provided at the next regular board meeting in May.

Discussion occurred regarding the Provisions of Water Service Ordinance. The ordinance states that water purchased from the District shall not, without specific authorization, be resold or re-metered for purposes of sale or proration. Mr. Gray noticed that a grocery store had an ice machine that dispensed filtered water to their customers and questioned if that would be considered a violation. Mr. Madison replied staff will look into this matter and report back to the Board at the regular Board meeting in May.

There was discussion regarding billing of separate meters. Mr. Gray suggested having three (3) billings per month instead of customers receiving all bills at the beginning of the month. Mr. Madison proposed that staff will reevaluate this matter in another year.

The Board complimented staff on their work.

Mr. Madison announced that a final set of Ordinances will be provided for the Board's consideration at the May 15, 2019 regular Board meeting.

Lynn Wheat inquired whether the District had the water capacity to handle properties outside of the District boundaries, in the event the District completed an annexation of property.

Mr. Mulberg replied that during the Local Agency Formation Commission (LAFCo) process of an annexation, LAFCo pulls information, such as water capacity, from the Municipal Service Review (MSR). He further commented that if the MSR indicated there was not enough water capacity to support the annexation, then it would be highly unlikely the Commission would approve the annexation.

Lynn Wheat commented again stating that she is concerned that the rate payers, including herself, will be impacted.



## 9. Outside Agency Meetings Report

Assistant General Manager Bruce Kamilos and Mr. Madison spoke in regard to various outside agency meetings they attended.

Mr. Kamilos reported on the Sacramento Central Groundwater Authority (SCGA) Budget Subcommittee Meeting he attended on March 29, 2019. In summary, they are going to be submitting a budget to the sixteen (16) Board members that are going to hold the same cost as last year. Mr. Kamilos would expect that this Board would receive a bill in the same amount approximately as last year.

Mr. Madison spoke regarding the Association of California Water Agencies (ACWA) State Legislative Committee Meeting that was held on April 5, 2019. He mentioned that Program Manager Sarah Jones attended the meeting and testified in support of ACWA's proposal to perform a safe drinking water trust. Mr. Madison will be discussing more on this matter in the legislative report.

Mr. Madison and Mr. Kamilos attended the SCGA Regular Board Meeting that was held on April 10, 2019. In summary, there were two (2) principal items that were discussed in the meeting. The first item discussed included the report from Johnathan Goetz of GIE Consultants on the annual report submitted in April. This report indicates the overall groundwater conditions throughout the basin. In general, the health of the water basin is good. The second item discussed was about the proposed budget for next year.

## 10. Legislative Report

Ms. Madison presented the Legislative report to the Board. He presented a summary of bills that directly impact the District.

Assembly Bill (AB) 217 (Garcia) was discussed. ACWA and Regional Water Authority (RWA) are strongly opposed to this bill because it includes a water tax. If it was to go into effect it would be able to accumulate about \$140 million dollars for safe drinking water purposes. EGWD does not agree with AB 217.

Senate Bill (SB) 414 (Caballero) was mentioned and RWA is in support of SB 414 if amended. They are trying to stream line and reduce the level of authority that is granted to the State Water Resource Control Board (SWRCB). This is a bill that would virtually consolidate failing water systems.

AB 1204 (Rubio) was addressed and RWA supports AB 1204 because it gives agencies more time to comply with new maximum contaminate limits. This is strongly supported by ACWA as well.

AB 756 (Garcia) would require public water systems (PWS) to monitor perfluoroalkyl (PFOS) and polyfluoroalkyl (PFOA) substances and require several changes to how information on contaminants is communicated to customers.

AB 1381 (Salas) generally supported by RWA and essentially would command the state board to conduct a needs assessment of how to deal with safe drinking water in California.

Other bills of interest that are not listed include the Safe Drinking Water Trust that ACWA has been promoting which is SB 669. This bill is moving through the process and there was a recent settlement called the Wayfair settlement where online products are now going to be charged sales tax. The senate is looking to try and grab \$100 million out of this Wayfair

settlement to use for safe drinking water purposes. This would avoid a water tax that EGWD would have to collect from customers. Mr. Madison will hearing more about this item during the upcoming ACWA conference.

Mr. Mulberg requested a list of who is supporting and opposing the bills mentioned. The Board supported this request and will make it happen.

### **11. Directors Comments**

Director Sophia Scherman mentioned that she will not be attending the May Board Meeting.

Director Lisa Medina thanked staff and Board for putting in a lot of time for the work that they do.

Lynn Wheat commented that the properties listed under Closed Session are located in Old Town Elk Grove and she hoped that the Districts plans align with the City of Elk Grove's plans.

### **12. Closed Session**

No reportable action was taken.

Adjourn to Regular Board Meeting on May 15, 2019 at 6:30 p.m.

Respectfully submitted,

*Stefani Phillips*

Stefani Phillips, Board Secretary  
AC/SP

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

**Wednesday, April 24, 2019**

The special meeting of the Florin Resource Conservation District Board of Directors was called to order at 5:30 p.m. by Tom Nelson, Chairperson, at 9257 Elk Grove Blvd., Elk Grove, CA.

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

Directors Present: Bob Gray, Tom Nelson, Lisa Medina, Sophia Scherman, Elliot Mulberg  
Directors Absent: None  
Staff Present: Mark Madison, General Manager; and Stefani Phillips  
Staff Absent: Bruce Kamilos, Assistant General Manager; Patrick Lee, Treasurer; Sarah Jones, Program Manager; and Donella Murillo, Finance Supervisor  
Associate Directors Absent: Shahid Chaudhry  
General Counsel Present: Ren Nosky, Nosky Legal Group and Lars Reed, (LCW) Liebert Cassidy Whitmore

**1. Closed Session**

CONFERENCE WITH LABOR NEGOTIATORS (Gov't. Code Section 54957.6)

Agency designated representatives: Mark J. Madison, General Manager

Unrepresented employees: All

No reportable action taken.

Adjourn to Regular Board Meeting on May 15, 2019 at 6:30 p.m.

Respectfully submitted,

*Stefani Phillips*

Stefani Phillips, Board Secretary

Check History Report

4/1/2019 to 4/30/2019  
Elk Grove District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
048890	4/3/2019	ACWAJPI	CB&T/ ACWA-JPIA	65,906.23	Medical Benefits for May 2019
048891	4/3/2019	ACWAJPI	CB&T/ ACWA-JPIA	28,513.47	Workers' Compensation - Quarter 3
048892	4/3/2019	ALAN AR	ALAN ARAGON	82.94	Clothing Reimbursement
048893	4/3/2019	ALL STA	ALL STAR RENTS	1,108.33	Antenna Repair at Hampton
048894	4/3/2019	AM	AM CONSERVATION GROUP, INC	5,845.44	Conservation Materials - Moisture Meters (Frogs)
048895	4/3/2019	BAY ALA	BAY ALARM COMPANY	1,142.88	Security - Wellsite's, ADMIN and MOC
048896	4/3/2019	BSK4	BSK ASSOCIATES	300.00	Sampling - Treatment
048897	4/3/2019	CAP RUB	CAPITAL RUBBER & GASKET	628.39	Materials & Supplies - Distribution
048898	4/3/2019	CFFNT	FIDELITY NATIONAL TITLE	59.83	Account Closed - Customer Refund
048899	4/3/2019	CFFNT	FIDELITY NATIONAL TITLE	57.95	Account Closed - Customer Refund
048900	4/3/2019	CINTAS	CINTAS	142.42	
048901	4/3/2019	COEG	CITY OF ELK GROVE	601.80	Service Line Inspections
048902	4/3/2019	COUNTY4	SACRAMENTO COUNTY UTILITIES	61.67	
048903	4/3/2019	CRF FT	FIRST AMERICAN TITLE	114.30	Account Closed - Customer Refund
048904	4/3/2019	CRF XT	XUAT VAN VO & TAMMY LE	261.53	Account Closed - Customer Refund
048905	4/3/2019	CRFCORT	CORNERSTONE TITLE	45.54	Account Closed - Customer Refund
048906	4/3/2019	CRFFTC	FIRST AMERICAN TITLE COMPANY	57.72	Account Closed - Customer Refund
048907	4/3/2019	CRFFTC	FIRST AMERICAN TITLE COMPANY	73.91	Account Closed - Customer Refund
048908	4/3/2019	CRFFTC	FIRST AMERICAN TITLE COMPANY	0.13	Account Closed - Customer Refund
048909	4/3/2019	CRFFTC	FIRST AMERICAN TITLE COMPANY	2.76	Account Closed - Customer Refund
048910	4/3/2019	CRFJONE	JONES WESTERN RESOURCES LLC	1.21	Account Closed - Customer Refund
048911	4/3/2019	CRFMAP	MARK PICKENS	56.42	Account Closed - Customer Refund
048912	4/3/2019	DATAPRO	DATAPROSE LLC	6,047.16	Metered Billing - March 2019
048913	4/3/2019	DEL PAS	DEL PASO PIPE & STEEL INC	777.17	Materials & Supplies - Distribution
048914	4/3/2019	ELKGR P	ELK GROVE PLUMBING & DRAIN	185.00	
048915	4/3/2019	FASTENA	FASTENAL COMPANY	251.80	
048916	4/3/2019	FIRECOD	FIRECODE SAFETY EQUIPMENT	107.26	Account Closed - Customer Refund
048917	4/3/2019	FRI 11	FIRST AMERICAN TITLE	151.66	
048918	4/3/2019	FRONT C	FRONTIER COMMUNICATIONS	233.96	
048919	4/3/2019	HEWITT	Aaron Hewitt	81.00	Clothing Reimbursement
048920	4/3/2019	INT STA	INTERSTATE OIL COMPANY	1,161.31	Fuel
048921	4/3/2019	ISCC	ISCC, INC	149.00	
048922	4/3/2019	PACE	PACE SUPPLY CORP	5,661.55	(3) Invoice - Materials & Supplies - Bullheads
048923	4/3/2019	PEST	PEST CONTROL CENTER INC	80.00	
048924	4/3/2019	PLA10	PLACER TITLE	47.98	Account Closed - Customer Refund
048925	4/3/2019	PLATT2	PLATT	72.19	
048926	4/3/2019	REPUBLI	REPUBLIC SERVICES #922	1,483.27	Trash & Recycle - MOC/ADMIN

048927	4/3/2019	ROOCO	ROOCO RENTS	341.41	Temporary Customer Service Help
048928	4/3/2019	ROTH	ROTH STAFFING COMPANIES, L.P.	750.18	
048929	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048930	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048931	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048932	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048933	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048934	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048935	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Void
048935	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00-	Void
048936	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048937	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048938	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048939	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048940	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048941	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048942	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048943	4/3/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048944	4/3/2019	SAFETY	SAFETY CENTER, INC	8.00	Lien Release
048945	4/3/2019	SIERRA C	SIERRA CHEMICAL COMPANY	1,300.00	Training - Cal/OSHA
048946	4/3/2019	SIERRA	SIERRA OFFICE SUPPLIES	697.20	Materials & Supplies - Treatment
048947	4/3/2019	SMUD	SMUD	672.68	
048948	4/3/2019	SOUTHW	SOUTHWEST ANSWERING	529.14	
048949	4/3/2019	TOSHIBA	TOSHIBA FINANCIAL SERVICES	214.03	
048950	4/3/2019	W SADLE	WILLIAM SADLER	593.01	Copier - ADMIN
048951	4/3/2019	WEST YO	WEST YOST ASSOCIATES, INC	500.00	Clothing Reimbursement
048952	4/10/2019	ACWAJPI	CB&T/ ACWA-JPIA	3,932.00	Pilot UDF Program
048953	4/10/2019	AMAZON	AMAZON CAPITAL SERVICES	8,519.35	Workers' Compensation - Quarter 2
048954	4/10/2019	BG SOLU	SOLUTIONS BY BG INC.	375.44	
048955	4/10/2019	BRINKS	BRINK'S INCORPORATED	8,897.50	Daily Tasks/Help Tickets
048956	4/10/2019	BSK4	BSK ASSOCIATES	356.87	
048957	4/10/2019	BULLE	BULLET GUARD	192.50	Sampling - Treatment
048958	4/10/2019	CCPPM	CCPPM	61.43	
048959	4/10/2019	CONSOLI	CONSOLIDATED COMMUNICATIONS	51.02	Ethernet Service/Phones-MOC
048960	4/10/2019	CR FID	FIDELITY NATIONAL TITLE	1,266.94	Account Closed - Customer Refund
048961	4/10/2019	CR FTT	FIDELITY NATIONAL TITLE	3.41	Account Closed - Customer Refund
048962	4/10/2019	CR ORTC	OLD REPUBLIC TITLE	0.06	Account Closed - Customer Refund
048963	4/10/2019	CRF LEN	LENNAR HOMES CA, INC	0.55	Account Closed - Customer Refund
048964	4/10/2019	CRF NT	NORTH AMERICAN TITLE COMPANY	70.57	Account Closed - Customer Refund
048965	4/10/2019	CRFDIED	DIEDE CONSTRUCTION	0.62	Account Closed - Customer Refund
048966	4/10/2019	CRFFRP	FRITZ & PENNY BUCHMAN	1,807.16	Account Closed - Customer Refund
048967	4/10/2019	CRFFTC	FIRST AMERICAN TITLE COMPANY	7.45	Account Closed - Customer Refund
048968	4/10/2019	CRFJANN	JANEEN NASELLO	34.02	Account Closed - Customer Refund
048969	4/10/2019	CRFJENN	JENNIFER NICOLAS	0.10	Account Closed - Customer Refund
048970	4/10/2019	CRFRUIZ	RUIZ DIRECTIONAL DRILL	16.76	Account Closed - Customer Refund
048971	4/10/2019	CRPLA9	PLACER TITLE CO	1,697.07	Account Closed - Customer Refund
				0.42	Account Closed - Customer Refund

048972	4/10/2019	CS BK	CARD SERVICES	70.87	Materials - Tech Services
048973	4/10/2019	CS DM	CARD SERVICES	160.62	Software Programs
048974	4/10/2019	CS RS	CARD SERVICES	269.18	Materials & Supplies - Utility Crew
048975	4/10/2019	CS SH	CARD SERVICES	1,883.68	Material & Supplies - Distribution
048976	4/10/2019	CS SJ	CARD SERVICES	421.82	Materials, Supplies, Parking
048977	4/10/2019	CS SS	CARD SERVICES	1,477.45	Materials & Supplies - Treatment
048978	4/10/2019	EG FORD	ELK GROVE FORD	94.00	Repairs & Maintenance - BIT Program
048979	4/10/2019	FASTENA	FASTENAL COMPANY	780.62	Materials & Supplies - Distribution
048980	4/10/2019	INT STA	INTERSTATE OIL COMPANY	1,080.69	Fuel
048981	4/10/2019	KREAT	KREATIVE DESIGN/MARKETING	70.00	
048982	4/10/2019	LUND	LUND CONSTRUCTION, INC	276,041.50	Backyard Water Mains Replacement
048983	4/10/2019	NOSKY	NOSKY LEGAL GROUP	4,546.69	Legal - March 2019
048984	4/10/2019	PACE	PACE SUPPLY CORP	1,290.55	(2) Invoices - Materials & Supplies - Distribution
048985	4/10/2019	PAULA M	PAULA MAITA & COMPANY	593.35	Safety - OPS
048986	4/10/2019	RIVCITY	RIVER CITY WASTE RECYCLERS	290.00	Temporary Customer Service Help
048987	4/10/2019	ROTH	ROTH STAFFING COMPANIES, L.P.	1,238.80	Lien Release
048988	4/10/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048989	4/10/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048990	4/10/2019	SAC 5	SACRAMENTO COUNTY	8.00	Lien Release
048991	4/10/2019	SMUD	SMUD	868.31	
048992	4/10/2019	SMUD	SMUD	596.37	
048993	4/10/2019	SMUD	SMUD	1,694.39	
048994	4/10/2019	SMUD	SMUD	6,897.76	
048995	4/10/2019	SMUD	SMUD	60.64	
048996	4/10/2019	SMUD	SMUD	506.86	
048997	4/10/2019	SMUD	SMUD	6,453.21	
048998	4/10/2019	SMUD	SMUD	351.49	
048999	4/10/2019	ULTRA	ULTRA TRUCK WORKS, INC	105.13	
049000	4/17/2019	BSK4	BSK ASSOCIATES	462.00	Sampling - Treatment
049001	4/17/2019	CAP AIR	CAPITAL AIR TOOL, LLC.	185.87	
049002	4/17/2019	CAP RUB	CAPITAL RUBBER & GASKET	58.64	
049003	4/17/2019	CCPPM	CCPPM	74.50	
049004	4/17/2019	CR FIRA	FIRST AMERICAN TITLE	7.68	Account Closed - Customer Refund
049005	4/17/2019	CRF GER	GERALDINE SCOTT	75.00	Account Closed - Customer Refund
049006	4/17/2019	CRF TEW	TERRI WORD	59.08	Account Closed - Customer Refund
049007	4/17/2019	CRFBAB	BARBARA BASSHAM	16.07	Account Closed - Customer Refund
049008	4/17/2019	CRFCHRC	CHRISTINE CLARK	61.15	Account Closed - Customer Refund
049009	4/17/2019	CRFCHRL	CHRISTOPHER LOAIZA	48.05	Account Closed - Customer Refund
049010	4/17/2019	CRFMABS	MITCHELLE'S AUTO BODY SHOP	8.74	Account Closed - Customer Refund
049011	4/17/2019	CRFVIS	VICKIE STUART	118.23	Account Closed - Customer Refund
049012	4/17/2019	CRPTC	PLACER TITLE COMPANY	36.85	Account Closed - Customer Refund
049013	4/17/2019	CS MJM	CARD SERVICES	432.05	Employee Appreciation, Meals
049014	4/17/2019	D7 ROOF	D7 ROOFING SERVICES, INC	590.00	Repairs & Maintenance - IT Center Roof
049015	4/17/2019	EGCGLC	ELK GROVE COMMUNITY GARDEN & LEARNING CENTER	1,500.00	Water Conservation Training and Public Outreach
049016	4/17/2019	FRI 11	FIRST AMERICAN TITLE	2.88	Account Closed - Customer Refund

10,285.18	(2) Invoices - Materials & Supplies - Distribution Meters
214.83	Demo/Remove Generator & Concrete - Hampton
24,316.00	Materials & Supplies - Distribution
662.25	
86.16	
913.57	(2) Invoices - Materials & Supplies - Distribution
3.82	Account Closed - Customer Refund
168.72	Community Conservation Workshop
2,500.00	
135.00	
281.45	Materials & Supplies - Distribution
790.27	Temporary Customer Service Help
1,023.36	
317.44	Lien Release
8.00	Training - Traffic Control
535.00	Training - Cal/OSHA
600.00	Training - Excavation Competent
930.00	
335.00	Annual Support and Maintenance - Billing Software
10,500.00	
9.64	
423.45	
2,056.74	Plate Compactor Wacker - Utility Crew
1,500.00	Monthly Landscaping - MOC/Railroad/ADMIN
1,050.72	(3) Invoices - IT Materials
48.06	Daily Tasks/Help Tickets
9,247.50	Service Line Inspections
808.38	
113.71	
34.97	Account Closed - Customer Refund
157.08	Account Closed - Customer Refund
67.89	Account Closed - Customer Refund
206.42	Account Closed - Customer Refund
42.00	
244.73	Repairs & Maintenance - Railroad WTF
3,117.00	Legal - Confidential
643.00	Repairs & Maintenance - IT Center
605.00	
32.30	(3) Invoices - Materials & Supplies - Bullheads
4,313.72	
160.00	
59.35	Repairs & Maintenance - Truck #102
872.63	
312.33	
38.03	Employee Policy Manual Consultant Services
6,644.63	

049017	4/17/2019	GOLDEN STATE FLOW	GOLDEN
049018	4/17/2019	HACH COMPANY	HACH
049019	4/17/2019	TNT INDUSTRIAL CONTRACTORS	INDUSTR
049020	4/17/2019	JAY'S TRUCKING SERVICE	JAYS
049021	4/17/2019	O'REILLY AUTO PARTS	OREILLY
049022	4/17/2019	PACE SUPPLY CORP	PACE
049023	4/17/2019	PLACER TITLE	PLA10
049024	4/17/2019	RADIAL TIRE OF ELK GROVE	RADIAL
049025	4/17/2019	RESCAPE CALIFORNIA	RESCAPE
049026	4/17/2019	REGIONAL GOVERNMENT	RGS
049027	4/17/2019	RIVER CITY WASTE RECYCLERS	RIVCITY
049028	4/17/2019	ROOCO RENTS	ROOCO
049029	4/17/2019	ROTH STAFFING COMPANIES, L.P.	ROTH
049030	4/17/2019	RYAN PROCESSING INC	RYAN PR
049031	4/17/2019	SACRAMENTO COUNTY	SAC 5
049032	4/17/2019	SAFETY CENTER, INC	SAFETY
049033	4/17/2019	SAFETY CENTER, INC	SAFETY
049034	4/17/2019	SAFETY CENTER, INC	SAFETY
049035	4/17/2019	SIERRA OFFICE SUPPLIES	SIERRA
049036	4/17/2019	TRUEPOINT SOLUTIONS	TRUEPOI
049037	4/17/2019	ULTRA TRUCK WORKS, INC	ULTRA
049038	4/17/2019	VERIZON WIRELESS	VERIZON
049039	4/17/2019	HDS WHITE CAP CONST SUPPLY	WHITE
049040	4/17/2019	ZUKE'S LANDSCAPE INC.	ZUKES
049041	4/24/2019	AMAZON CAPITAL SERVICES	AMAZON
049042	4/24/2019	BAY ALARM COMPANY	BAY ALA
049043	4/24/2019	SOLUTIONS BY BG INC.	BG SOLU
049044	4/24/2019	CITY OF ELK GROVE	COEG
049045	4/24/2019	SACRAMENTO COUNTY UTILITIES	COUNTY4
049046	4/24/2019	LENNAR HOMES CA, INC	CRF LEN
049047	4/24/2019	LENNAR HOMES CA, INC	CRF LEN
049048	4/24/2019	LENNAR HOMES CA, INC	CRF LEN
049049	4/24/2019	CORNERSTONE TITLE	CRFCORT
049050	4/24/2019	FASTENAL COMPANY	FASTENA
049051	4/24/2019	FRONTIER COMMUNICATIONS	FRONT C
049052	4/24/2019	LAKE VUE ELECTRIC, INC	LAKE V
049053	4/24/2019	LIEBERT CASSIDY WHITMORE	LCW
049054	4/24/2019	MADSEN ROOF COMPANY, INC	MADSEN
049055	4/24/2019	O'REILLY AUTO PARTS	OREILLY
049056	4/24/2019	PACE SUPPLY CORP	PACE
049057	4/24/2019	PEST CONTROL CENTER INC	PEST
049058	4/24/2019	PACIFIC GAS & ELECTRIC	PG&E
049059	4/24/2019	RADIAL TIRE OF ELK GROVE	RADIAL
049060	4/24/2019	RDO TRUST # 80-5800	RDO 1
049061	4/24/2019	RDO TRUST # 80-5800	RDO 1
049062	4/24/2019	REGIONAL GOVERNMENT	RGS

049063	4/24/2019	RIVCITY	RIVER CITY WASTE RECYCLERS	248.98	Materials & Supplies - Distribution Temporary Customer Service Help
049064	4/24/2019	ROOCO	ROOCO RENTS	647.84	
049065	4/24/2019	ROTH	ROTH STAFFING COMPANIES, L.P.	1,238.80	
049066	4/24/2019	SIERRA	SIERRA OFFICE SUPPLIES	140.91	
049067	4/24/2019	UNITED	UNITED SITE SERVICES	337.31	
049068	4/24/2019	ZOOM	ZOOM IMAGING SOLUTIONS, INC	275.03	
<b>Total:</b>				<b>556,465.04</b>	



**Elk Grove Water District  
Active Account Information  
4/30/2019**

	<b>JULY</b>	<b>AUG</b>	<b>SEPT</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUNE</b>
<b>Metered</b>												
Residential	11,799	11,819	11,800	11,810	11,800	11,808	11,803	11,800	11,824	11,844		
Commercial	532	363	366	363	364	363	363	362	362	363		
Irrigation		166	166	169	169	169	169	167	168	169		
Fire Service	178	177	178	179	179	179	179	178	179	179		
<b>Total Accounts</b>	<b>12,509</b>	<b>12,525</b>	<b>12,510</b>	<b>12,521</b>	<b>12,512</b>	<b>12,519</b>	<b>12,514</b>	<b>12,507</b>	<b>12,533</b>	<b>12,555</b>	<b>-</b>	<b>-</b>

**Elk Grove Water District  
Active Account Information  
FY 2017/2018**

	<b>JULY</b>	<b>AUG</b>	<b>SEPT</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUNE</b>
<b>Metered</b>												
Residential	11,787	11,811	11,786	11,812	11,789	11,784	11,806	11,780	11,793	11,794	11,805	11,799
Commercial	527	526	527	527	527	527	530	530	528	529	531	531
Fire Service	175	175	177	178	177	177	177	177	177	178	178	177
<b>Total Accounts</b>	<b>12,489</b>	<b>12,512</b>	<b>12,490</b>	<b>12,517</b>	<b>12,493</b>	<b>12,488</b>	<b>12,513</b>	<b>12,487</b>	<b>12,498</b>	<b>12,501</b>	<b>12,514</b>	<b>12,507</b>

# Elk Grove Water District

## Bond Covenant Status

### For Fiscal Year 2018-19

As of April 30, 2019  
Adjusted for Prepayments

**Operating Revenues:**

<b>Charges for Services</b>	\$	12,095,892
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**Operating Expenses:**

Salaries & Benefits (2)		3,124,722
Seminars, Conventions and Travel		33,145
Office & Operational		764,477
Purchased Water		2,349,140
Outside Services		669,178
Equipment Rent, Taxes, and Utilities		273,678
<b>Total Operating Expenses</b>		<b>7,214,340</b>

**Net Operating Income**

	\$	<b>4,881,552</b>
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Annual Interest & Principal Payments

\$3,823,909	\$	3,186,591 (1)
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**Debt Service Coverage Ratio, YTD Only:**

**1.53**

**Required**

**1.15**

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**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 **1.39**
2. Reflects only YTD due to CalPERS, not entire prepayment for year.

**Elk Grove Water District**  
**Year to Date Revenues and Expenses Compared to Budget**  
**As of April 30, 2019**

	General Ledger Reference	YTD Activity	Annual Budget	10/12=83.33% Variance	% Realized
Revenues	4100 - 4900	\$ 12,095,892	\$ 14,821,253	\$ (2,725,361)	81.61%
Salaries & Benefits	5100 - 5280	3,311,774	4,167,812	(856,038)	79.46%
less Capitalized Labor		(161,929)	(453,517)	291,588	35.71%
Less CalPERS Prepayment for Remainder of Year: (3)		(25,123)			
Adjusted Salaries and Benefits:		\$ 3,124,722	\$ 3,714,295	\$ (564,450)	84.13%
Seminars, Conventions and Travel	5300 - 5350	33,145	49,280	(16,135)	67.26%
Office & Operational	5410 - 5494	764,477	1,137,527	(373,050)	67.21%
Purchased Water est. (4)	5495 - 5495	2,349,140	3,178,328	(829,188)	73.91%
Outside Services	5505 - 5580	669,178	975,178	(306,000)	68.62%
Equipment Rent, Taxes, Utilities	5620 - 5760	273,678	438,900	(165,222)	62.36%
<b>Total Operational Expenses</b>		<b>\$ 7,214,340</b>	<b>\$ 9,493,508</b>	<b>\$ (2,254,045)</b>	<b>75.99%</b>
<b>Net Operating Income</b>		<b>\$ 4,881,552</b>	<b>\$ 5,327,745</b>	<b>\$ (471,316)</b>	<b>91.63%</b>
<b>Non-Operating Revenues</b>					
Interest Received	9910 - 9910	152,558	100,000	52,558.05	152.56%
Unrealized Gains/Losses	9911 - 9911	140,341	-	140,341	100.00%
Other Income/Expense	9920 - 9973	18,005	-	18,005	100.00%
<b>Total Non-Operating Revenues</b>		<b>\$ 310,905</b>	<b>\$ 100,000</b>	<b>\$ 210,905</b>	<b>310.90%</b>
<b>Non-Operating Expenses</b>					
Election Costs	9950 - 9950	2,008	150,000	(147,992)	1.34%
<b>All other Non-Operating Expenses</b>					
<b>Capital Expenses (2):</b>					
Capital Improvements	1705 - 1760	306,112	390,000	(83,888)	78.49%
Capital Replacements	1705 - 1760	285,237	824,000	(538,763)	34.62%
Unforeseen Capital Projects	1705 - 1760	32,152	100,000	(67,848)	32.15%
<b>Capital Expenses:</b>		<b>\$ 623,500</b>	<b>\$ 1,314,000</b>	<b>\$ (690,500)</b>	<b>47.45%</b>
Bond Interest Accrued (1)	7300 - 7300	1,461,591	1,753,909	(292,318)	83.33%
<b>Total Non Operating Expenses</b>		<b>\$ 2,087,099</b>	<b>\$ 3,217,909</b>	<b>\$ (1,130,810)</b>	<b>64.86%</b>
<b>Revenues in Excess of All Expenditures, including Capital</b>		<b>\$ 3,105,358</b>	<b>\$ 2,209,836</b>	<b>\$ 870,398</b>	<b>140.52%</b>
<b>Bond Retirement (1):</b>		<b>\$ 1,725,000</b>	<b>\$ 2,070,000</b>	<b>\$ (345,000)</b>	<b>83.33%</b>
<b>Net Position after Capital and Debt Retirement Expenditures</b>		<b>\$ 1,380,358</b>	<b>\$ 139,836</b>	<b>\$ 1,215,398</b>	

**Notes:**

- Bond retirement payments are made two times a year in September and March
- YTD Activity includes \$161,929 in capitalized labor charged to capital projects.
- The District prepays CalPERS for the employers' share of retirement costs for the entire year. By doing this, the District saves approximately 3.6% in its total CalPERS payments for the year. The adjusted salaries and benefits above shows what salaries and benefits would be if only the amount due to CalPERS YTD was paid YTD, with no prepayment.
- 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.

**Florin Resource Conservation District  
CASH - Detail Schedule of Investments  
4/30/2019**

<u>G/I Account - Fund</u> <u>HELD BY BOND TRUSTEE:</u>	<u>Account number / name</u>	<u>Investment Name</u>	<u>Investment Type</u>	<u>Restrictions</u>	<u>Market Value</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				
				<b>Subtotal</b>	<b>\$ -</b>				
1001-000-20 Water	Cash on Hand			Unrestricted	<b>\$ 300.00</b>				
<b>HELD BY F&amp;M BANK:</b>									
1011-000-10 FRCD	F&M 08-032009-01 CHECKING ACCOUNT			Unrestricted	4,236.44				
1011-000-20 Water	F&M 08-032017-01 OPERATING ACCOUNT			Unrestricted	532,627.05				
1084-000-20 Water	F&M 08-03201702-31 MONEY MARKET		1.41%	Unrestricted	2,258,056.20				
1031-000-20 Water	F&M 08-032890-01 CREDIT CARD ACCOUNT			Unrestricted	379,260.99				
1061-000-20 Water	F&M 08-032890-01 PAYROLL ACCOUNT			Unrestricted	65,275.62				
1071-000-20 Water	F&M 08-032890-01 DRAFTS ACCOUNT			Unrestricted	897.84				
				<b>Subtotal</b>	<b>\$ 3,240,354.14</b>				
<b>INVESTMENTS</b>									
1080-000-20 Water	Office of the Treasurer - Sacramento California	LAIF	Investment Pool	Unrestricted	<b>\$ 3,558,184.73</b>				
1081-000-20 Water	CAL Trust Medium Term		Investment	Unrestricted	<b>\$ 1,313,241.18</b>				
1082-000-20 Water									
	<u>PURCHASE DATE</u>	<u>ISSUED BY</u>	<u>CUSIP</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	Union Bank of California	N/A	N/A	N/A	1.89%	0.35%	\$ 72,534.24	\$ 72,534.24
	6/28/2016	Federal Home Loan Mortgage Corp. (FHLMC)	3134G9VN4	9/28/16 - qtrly	6/28/2019	12.470%	1.750%	\$ 1,000,000.00	\$ 999,250.00
	6/30/2016	Federal National Mortgage Association (FNMA)	3136G3SR7	12/30/16 - qtrly	12/30/2019	12.320%	1.380%	\$ 1,000,000.00	\$ 993,260.00
	9/30/2016	Federal National Mortgage Association (FNMA)	3136G4DB6	3/30/17 - qtrly	3/30/2020	12.250%	1.260%	\$ 1,000,000.00	\$ 989,980.00
	6/9/2016	Federal Farm Credit Banks (FFCB)	3133EGCPC8	9/1/16 - cont.	12/1/2020	12.210%	1.640%	\$ 1,000,000.00	\$ 988,950.00
	6/16/2016	Federal National Mortgage Association (FNMA)	3136G3PY5	12/16/16 - qtrly	12/16/2020	12.210%	1.570%	\$ 1,000,000.00	\$ 987,380.00
	11/1/2017	Federal Farm Credit Bank Bonds(FFCB)	3133EHM34	11/01/22 - cont.	11/1/2022	12.17%	2.250%	\$ 1,000,000.00	\$ 991,340.00
	9/30/2016	Federal National Mortgage Association (FNMA)	3136G4CY7	3/30/17 - qtrly	9/30/2021	6.00%	1.530%	\$ 500,000.00	\$ 490,405.00
	11/2/2016	Federal Home Loan Bank (FHLB)	3130A9RZ6	4/28/17 - qtrly	10/28/2021	12.25%	1.010%	\$ 1,000,000.00	\$ 993,460.00
								<b>\$ 7,572,534.24</b>	<b>\$ 7,506,559.24</b>
				<b>Total</b>				<b>\$ 15,598,639.29</b>	
				<b>Total Restricted</b>				<b>\$ -</b>	
				<b>Total Unrestricted</b>				<b>\$ 15,598,639.29</b>	

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

<u>Call Date</u>	<u>CUSIP</u>	<u>Issued by:</u>	<u>Call Date</u>	<u>Maturity Date</u>	<u>Interest Rate</u>	<u>YTM</u>	<u>Price</u>	<u>Market Value</u>
								<b>\$ -</b>

**Consultant Expenses**  
April 30, 2019

**Fiscal Retainer Contracts**

Consultant	Description	Total Contract	Current Month	Paid to date	2018-2019 FY Budget	Percent of year (84%)
Nosky Legal Group	Task orders	TBD	\$ 4,547	\$ 35,697		
Murphy Austin Adams Schoenfeld LLP	Task orders	TBD	\$ -	\$ 9,310		
Liebert Cassidy Whitmore	Task orders	TBD	\$ 4,547	\$ 43,640		
<b>Total</b>			<b>\$ 4,547</b>	<b>\$ 88,647</b>	<b>\$ 175,000</b>	<b>50.66%</b>
Solutions by BG, Inc.	Task orders	725,050.00	\$ 18,145	\$ 157,723	\$ 206,500	76.38%

**Major Contracts**

Consultant	Description	Total Contract	Current Month	Paid to date	2018-2019 FY Budget	Percent of Contract Amount
HDR Engineering, Inc.	Water Rate Study	88,650	\$ -	\$ 10,067	\$ 11,280	89.25%
Lund Construction Co.	Backyard Water Mains	436,999.80	\$ 276,042	\$ 276,042	\$ 436,999	63.17%

**Elk Grove Water District  
Major Capital Improvement Project  
Budget vs Actuals  
April 30, 2019**

Capital Project	Total Project Budget	Total Project Exp to Date	Percent Spent	Capitalized Labor	Fund Type	Project Type	2018-19 Budget		April Project Exp	Total YTD (1)	YTD % Spent
							Budget	Exp			
Backyard Water Mains/Service Replacement	\$ 734,000	\$ 282,465	38.48%	\$ -	R&R	Supply/Distribution	734,000	\$ 276,042	\$ 282,465	38.48%	
Kent Street Water Main	280,000	239,792	85.64%	-	R&R	Supply/Distribution	-	-	224	100.00% (2)	
Camden Water Main Relocations	28,462	28,462	100.00%	-	R&R	Supply/Distribution	-	-	2,548	100.00% (2)	
RRWTF Parking Lot Repaving	90,000	-	0.00%	-	R&R	Building and Site	90,000	-	-	0.00%	
Service Line Replacements	750,000	655,561	87.41%	158,587	CIP	Supply/Distribution	-	21,218	219,296	100.00% (2)	
Radio Antennas	80,000	18,916	23.64%	2,344	CIP	Treatment	-	1,988	9,387	100.00% (2)	
RRWTF Generator PLC/SCADA Upgrade	35,000	21,462	61.32%	-	CIP	Treatment	35,000	-	21,462	61.32%	
Well 3 Pump Replacement	180,000	2,602	1.45%	997	CIP	Treatment	180,000	24,316	2,602	1.45%	
Hampton WTP Generator Removal	25,000	24,316	97.26%	-	CIP	Treatment	25,000	-	24,316	97.26%	
Truck Replacements	115,000	-	0.00%	-	CIP	Building and Site	115,000	-	-	0.00%	
I.T. Servers	35,000	28,955	82.73%	-	CIP	Building and Site	35,000	-	28,955	82.73%	
Fiber Optic Cable	135,000	136,260	100.93%	-	CIP	Building and Site	-	-	95	100.00% (2)	
Unforeseen Capital Projects	100,000	32,152	32.15%	-	-	Building and Site	100,000	-	32,152	32.15% (3)	
<b>Sub-Total</b>	<b>\$ 2,587,462</b>	<b>\$ 1,470,941</b>	<b>56.85%</b>	<b>\$ 161,929</b>			<b>\$ 1,314,000</b>	<b>\$ 323,564</b>	<b>\$ 623,500</b>	<b>47.45%</b>	

(1) Includes \$161,929 in capitalized labor through 04/30/19

(2) Capital projects budgeted for in prior years, however, work carried over and completed in current year.

(3) Cooper Oats - HVAC for IT Building \$ 8,582  
 HydroScience - Variable Frequency Drives 12,620  
 HydroScience - Variable Frequency Drives 10,950  
 \$ 32,152

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Stefani Phillips, Board Secretary  
SUBJECT: **COMMITTEE MEETINGS**

---

### **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors accept the minutes of the Infrastructure Committee Meeting held on Wednesday, April 10, 2019.

### **SUMMARY**

The Florin Resource Conservation District (FRCD) Board of Directors (Board) has requested a monthly summary of committee meetings. One Infrastructure Committee Meeting was held on Wednesday, April 10, 2019, to review the Draft Fiscal Year (FY) 2020-2024 Capital Improvement Program (CIP).

### **DISCUSSION**

#### **Background**

At the Regular Board Meeting held on May 27, 2015, the Board determined committee meeting minutes be brought to the FRCD Regular Board Meeting and placed under agenda item Committee Meetings. The agenda item Committee Meetings, was placed after agenda item Consent Calendar for approval. This item may be moved within the agenda, if necessary, by direction from the Chairperson. The committee meeting minutes shall be accepted by the Board.

#### **Present Situation**

One Infrastructure Committee Meeting was held on Wednesday, April 10, 2019, to review the Draft FY 2020-2024 CIP.

### **ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

May 15, 2019

**COMMITTEE MEETINGS**

---

Page 2

**STRATEGIC PLAN CONFORMITY**

This item is in keeping with the District's Business Practice goals of the 2012-2017 Strategic Plan.

**FINANCIAL SUMMARY**

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

Respectfully Submitted,



STEFANI PHILLIPS,  
BOARD SECRETARY

Attachment



**MINUTES OF THE INFRASTRUCTURE COMMITTEE OF THE  
FLORIN RESOURCE CONSERVATION DISTRICT/  
ELK GROVE WATER DISTRICT**

**Wednesday, April 10, 2019**

**Attendance:**

Committee Members: Bob Gray, Vice-Chairperson  
Lisa Medina, Director

Staff: Mark J. Madison, General Manager  
Bruce Kamilos, Assistant General Manager  
Stefani Phillips, Board Secretary  
Patrick Lee, Board Treasurer  
Travis Franklin, GIS Technician II

Public: None

This was a posted meeting and no members of the public were present.

**1. Draft Fiscal Year 2020-2024 Capital Improvement Program**

Bruce Kamilos, Assistant General Manager presented the Draft Fiscal Year (FY) 2020-24 Capital Improvement Program (CIP) to the members of the Infrastructure Committee (Committee).

Mr. Kamilos provided a brief background of the CIP and trend from FY 2016-24.

Mr. Kamilos presented the 5-Year CIP Summary (Table 1) which summarizes all projects for the next five (5) years.

There was discussion on four (4) new water replacement projects that have been added to the supply/distribution improvements section on Table 1.

Vice-Chairperson, Bob Gray inquired how many backyard water mains are being replaced and how much is Elk Grove Water District (EGWD) contracting. Mr. Kamilos stated that the District plans on completing the remainder of the backyard water mains internally. Mr. Gray commented that he is concerned that not enough time is being allowed to complete the project. Mr. Kamilos responded that our target is to complete North of Elk Way and East of Elk Grove-Florin Rd. Discussion continued on the subject.

General Manager Mark Madison asked what happens if the backyard water mains are not completed in one (1) year. Mr. Kamilos answered that the project would continue into the next year.

Mr. Kamilos mentioned that the Railroad Water Treatment Facility (RRWTF) Variable Frequency Drive project (VFDs) will be added to the 5-Year CIP table. He mentioned that the project is underway and soon it can be bid out. He stated that the additional VFDs will add

more pressure for the customers use. Mr. Gray expressed that three (3) pumps is too much and two (2) pumps is more reasonable. Mr. Kamilos explained three (3) pumps provides redundancy to the system. Discussion continued on the subject.

There was a brief discussion on well rehabilitation (rehab). Mr. Kamilos stated staff will modify the table to add a well rehab to Well 11D in FY 2019-20, Well 4D in FY 2020-21, and Well 14D in FY 2021-22.

Director Lisa Medina questioned if the useful rehab life is an additional five (5) to seven (7) years. Mr. Kamilos responded yes.

Mr. Kamilos stated that the truck replacement figures are incorrect. He stated, he will fix them and send an email out with the correct information.

Travis Franklin, GIS Technician II mentioned that truck #204 valve equipment needs to be replaced. Staff is looking into whether a trailer or truck unit is a better option as a replacement.

Mrs. Medina inquired how the District is handling the new emissions requirements that were enforced as of November 2018. Mr. Kamilos responded that he will look into it. Mr. Madison replied this falls into the Regulatory Compliance Program staff has been talking about developing.

Mr. Gray mentioned he would like to see the District move forward with Chlorine Analyzers this year. Mr. Kamilos replied staff has to investigate on this more before we move forward.

Mr. Gray suggested getting the Hampton roof replacement completed sooner. Mr. Madison suggested if it does not get replaced in this Fiscal Year, we can roll it into FY 2019-20.

Mr. Kamilos indicated that he does not want to do the Elk Grove Blvd. Water Main project. He stated, he is concerned about it and is thinking about other options. Mr. Madison suggested adding the project to the FY 2024-25 tickler list.

Mr. Madison asked the committee if they want to consider Advanced Metering Infrastructure (AMI) in the future. He mentioned studies have shown no return on investment, but if we got a grant for it, he would like to consider it. Mrs. Medina mentioned she will remain open-minded until she sees the results from the study and would like to get the Board's feedback. There was discussion on Automatic Meter Reading (AMR). AMR is essentially a drive by meter read. Mr. Madison suggests doing more research on AMR and AMI in about three (3) to six (6) months.

Mr. Gray stated that replacement meters need to be compatible. Discussion followed.

Mr. Kamilos summarized the revisions that need to be made to the CIP document. He stated he will cleanup Table 1 and will add in the additional information that was discussed. He will provide two (2) fresh sheets on the truck replacements and email the revised pages to the committee.

Mr. Gray suggested moving the Water Main project at Aizenberg Circle up to FY 2021-22. Mr. Kamilos agreed.

In summary, the revisions are as follows:

- Table 1 needs to be revised accordingly.
  - \$100K for an additional well rehab in FY20/21.
  - Move the timing of Aizenberg Cir. Water Main Looping to FY21/22.
  - Add the RRWTF Variable Frequency Drives (VFDs) project under Treatment Improvements for FY 19/20.
  - Correct the costs for Truck Replacements to match what is included in the detailed information of the document.

Mr. Kamilos inquired if the committee would like to meet for a second meeting. The committee replied that a second meeting is not needed.

Mr. Madison suggested taking the CIP to the Board in May. The committee agreed.

Respectfully submitted,

*Stefani Phillips*

Stefani Phillips, Secretary

SP/AC

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2019**

## **RECOMMENDATION**

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

## **SUMMARY**

The Elk Grove Water District (EGWD) Operations Report is a standing item on the regular board meeting agenda.

All regulatory requirements were met for the month of April. Other notable events are described below.

## **DISCUSSION**

### **Background**

Every month, staff presents an update of the activities related to the operations of the EGWD. Included for the Florin Resource Conservation District (FRCD) Board of Directors (Board) review is the EGWD's April 2019 Operations Report.

### **Present Situation**

The EGWD April 2019 Operations Report highlights are as follows:

- **Operations Activities Summary** – Four hundred thirty-one (431) door hangers were placed for past due balances which resulted in sixty-six (66) shutoffs. We received four (4) water pressure complaints and two (2) water quality complaints. Upon further inspection, none of the complaints were validated.
- **Production** – The Combined Total Service Area 1 production graph on page 13 shows that production during the month of April increased 7.49 percent compared to April 2018, and is 32.59 percent less than what was produced in 2013. Year 2013 is the baseline year the State Water Quality Control Board (SWRCB) adopted for water usage. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of April, compared to April 2013, was down by 32.59 percent.

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2019**

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Page 2

- **Static and Pumping Level Graphs** – The second quarter soundings are shown and indicate that the static water levels in deeper zones have risen gradually compared to the second quarter of 2017. The shallow zones have also shown improvement.
- **Treatment (Compliance Reporting)** – All samples taken during the month are in compliance with all regulatory permit requirements. No exceedances of any maximum contaminant levels were found and all water supplied to EGWD’s customers met or exceeded safe drinking water standards.
- **Corrective Maintenance Program** – The tables included in this section of the report also include certain activities completed to date. Below is a list of out-of-ordinary maintenance work completed in April:
  - Staff repaired multiple electrical connections on the filter vessel electric actuated valves.
  - Staff investigated a Variable-Frequency Drive (VFD) fault for Well 4D then facilitated the repair.
  - Staff replaced a malfunctioning pressure transducer inside the booster number 9 pump pedestal.
  - Staff investigated a malfunction with the level transducer at Well 1D.
- **Backflow Prevention Program 2019** – EGWD issued fifteen (15) testing notices for the month. Fourteen (14) devices passed and one (1) secondary testing notice was issued, which we have yet to receive a passing test. There are also three (3) devices that remain untested that were noticed in preceding months.
- **Safety Meetings/Training** – Three (3) safety training sessions were conducted for the month which is compliant with Occupational Safety and Health Administration (OSHA) standards.
- **Service Line Replacement Map** – Forty-one (41) residential service lines were replaced in the month of April.
- **Service and Main Leaks Map** – There was one (1) service line leak and no main line leaks during April.
- **System Pressures** – Pressures in Service Area 1 generally remain stable during the month of April. Pressures in Service Area 2, which are controlled by Sacramento County Water Agency (SCWA), went up slightly from the previous month.

May 15, 2019

**ELK GROVE WATER DISTRICT OPERATIONS REPORT – APRIL 2019**

Page 3

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

The EGWD's Strategic Plan addresses responsible business practices and the importance of providing the community with safe drinking water. The EGWD Operations Report is a key document for managing EGWD's distribution and treatment system. The EGWD Operations Report assists EGWD toward its responsibility of delivering safe drinking water.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully submitted,



MARK J. MADISON  
GENERAL MANAGER

MJM/ah

Attachment

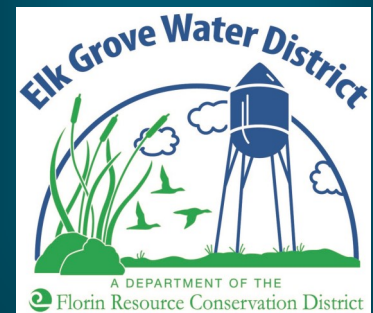
# EGWD

## OPERATIONS REPORT

April 2019



Elk  
Grove  
Water  
District



**Elk Grove Water District**  
**Operations Report**  
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# Operations Activities Summary

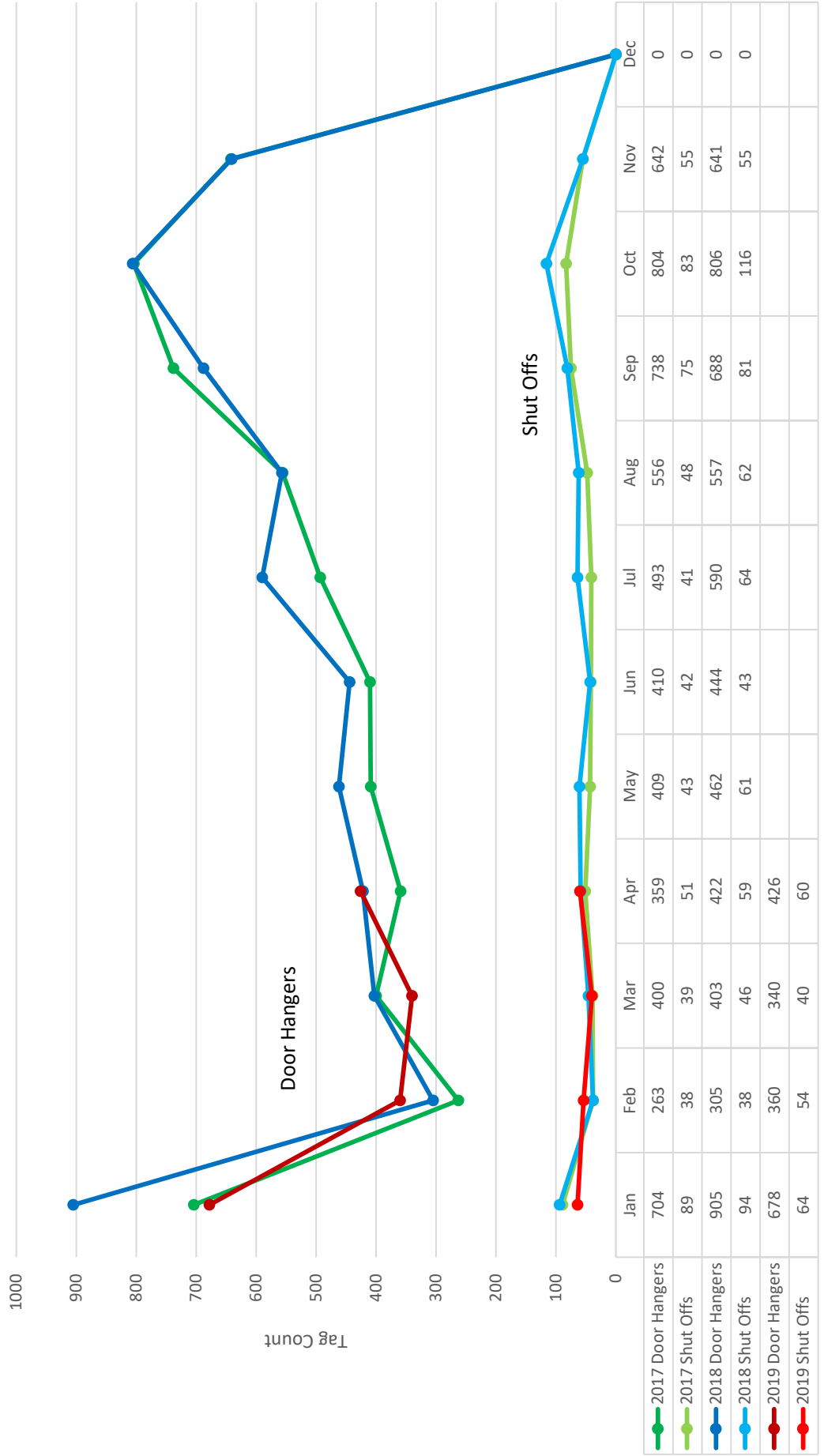
<b><u>Service Requests:</u></b>	April-19		YTD (Since Jan. 1, 2019)	
<b><u>Department</u></b>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
<b>Distribution</b>				
Door Hangers	431	31.50	1,826	108.25
Shut offs	66	22.65	231	61.05
Turn ons	73	14.10	259	163.35
Investigations	44	33.75	153	92.35
USA Locates	221	55.25	770	192.50
Customer Complaints				
-Pressure	4	1.75	7	3.25
-Water Quality	2	1.25	4	2.25
-Other	0	0	0	0

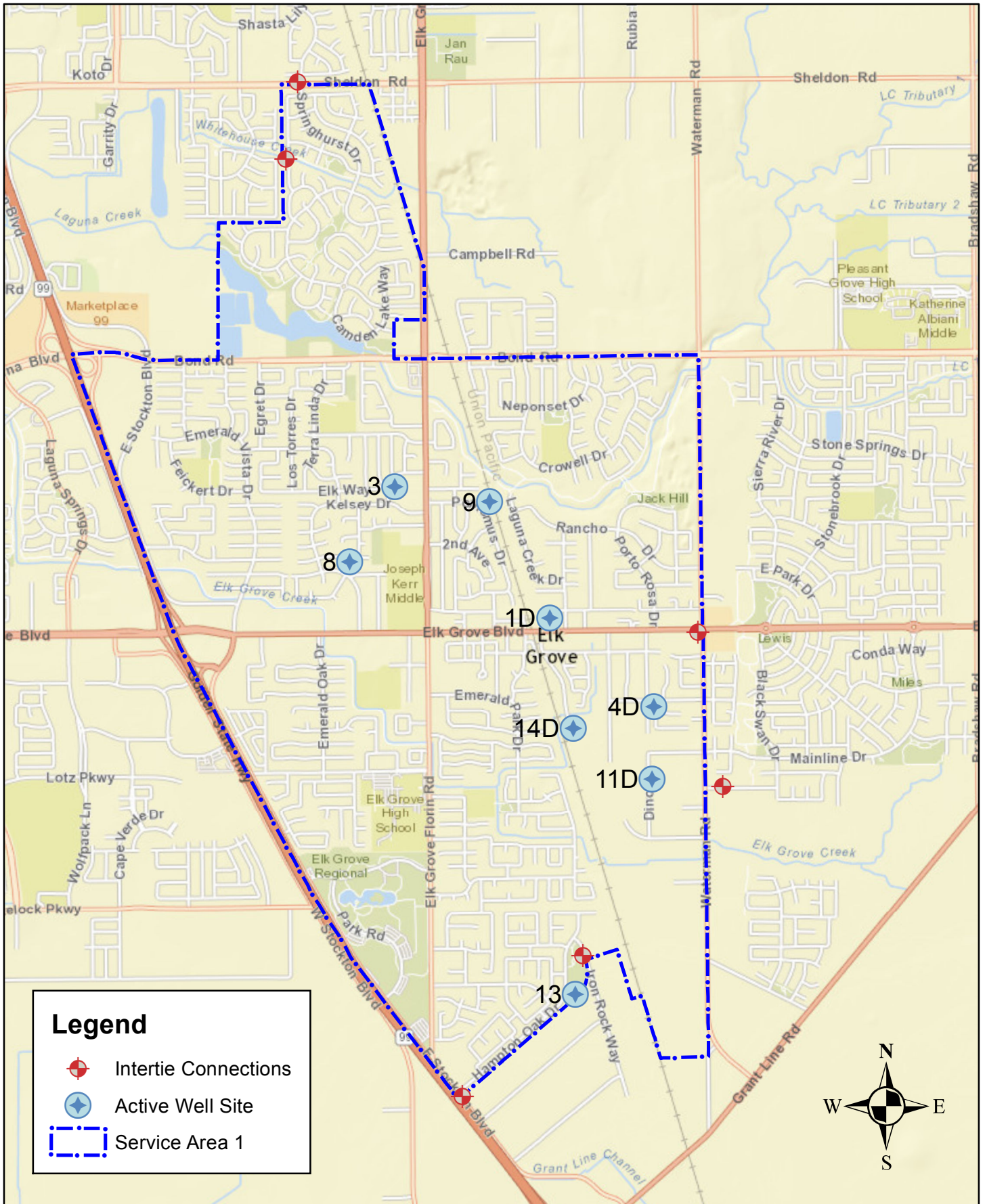
<b><u>Work Orders:</u></b>	April-19		YTD (Since Jan. 1, 2019)	
<b><u>Department</u></b>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
<b>Treatment:</b>				
Preventative Maint.	24	105.50	87	226.50
Corrective Maint.	8	87	29	248.50
Water Samples	20	51	69	174
<b>Distribution:</b>				
Meters Installed	0	0	5	2.5
Meter Change Out	13	8.5	80	49.25
Preventative Maint.				
-Hydrant Maintenance (135)	150	30.50	615	128
-Valve Exercising (120)	148	28.50	597	96
-Other	0	0	0	0
Corrective Maint.				
-Leaks	1	4	8	134.50
-Other	27	12	59	88.50
Valve Locates	0	0	0	0
<b>Utility:</b>				
Service Line Replacement	41	541.50	120	1,872.50
Corrective Maint.	0	0	0	0






# Elk Grove Water District

Door Hangers and Shut Off Tags



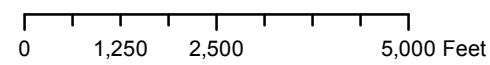


**Legend**

-  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 -- Apr. 2019

**Selected Month Production**  
8,351,494 Gallons

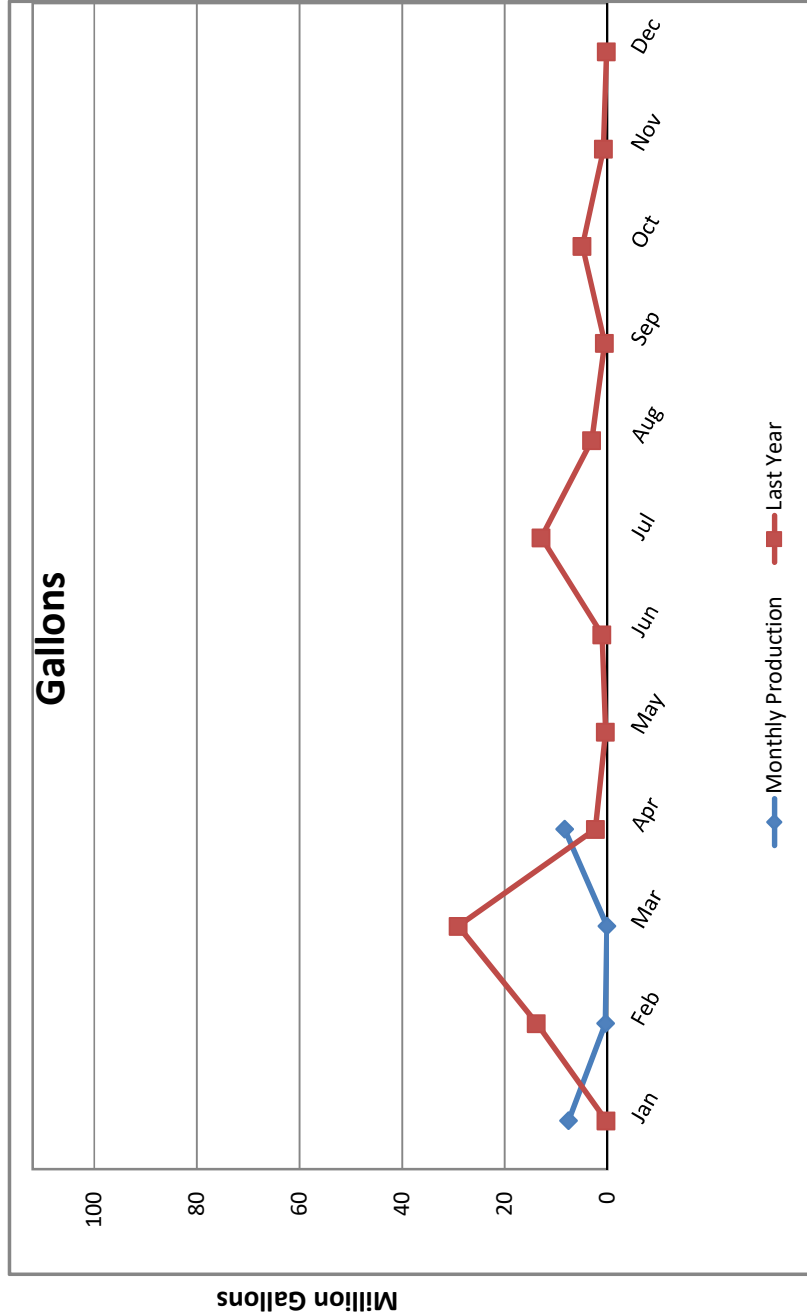
Average GPM:  
1,789

**Motor:**  
Volts: 469  
Volts (Rated): 460  
RPM: 1788  
RPM (Rated): 2115  
Amps A: 179  
Amps A (Rated): 222  
Amps B: 179  
Amps B (Rated): 222  
Amps C: 179  
Amps C (Rated): 222

Motor Temp: 112.1 F  
Hour Meter: 77.80  
KW Hour Total: 9,760

**Chlorine:**  
Dosing: 1.69 mg/L  
Demand: 0.57 mg/L  
Residual: 1.12 mg/L

**Vibration Reading:**  
Base Line: 0.05 in/sec  
Current: 0.02 in/sec





## Elk Grove Water District

### Monthly Production

Well 4D Webb -- Apr. 2019

**Selected Month Production**  
25,190,462 Gallons

Average GPM: 1,705

**Motor:**

Volts: 479  
 Volts (Rated): 460  
 RPM: 1612  
 RPM (Rated): 1775  
 Amps A: 190  
 Amps A (Rated): 225  
 Amps B: 189  
 Amps B (Rated): 225  
 Amps C: 189  
 Amps C (Rated): 225

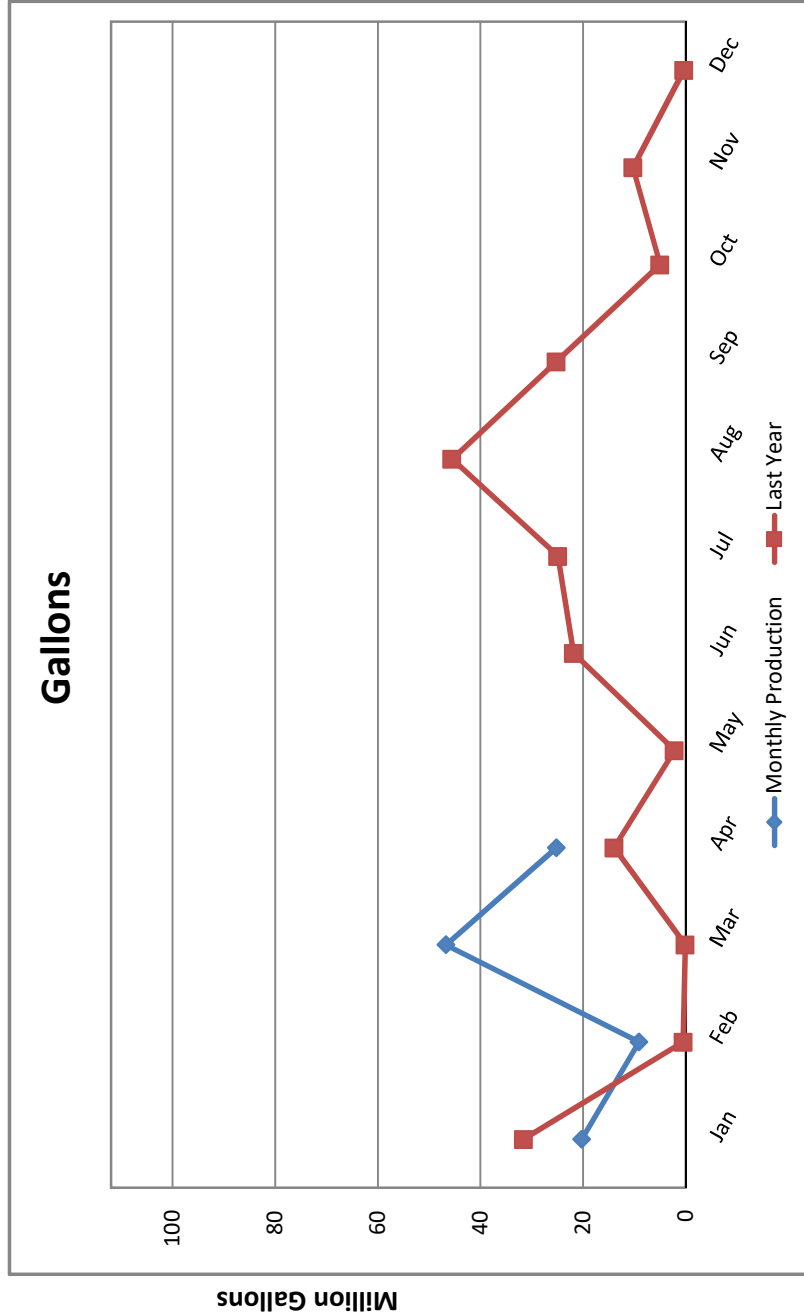
Motor Temp: 124.8 F  
 Hour Meter: 246.20  
 KW Hour Total: 33,240

**Chlorine:**

Dosing: 1.75 mg/L  
 Demand: 0.73 mg/L  
 Residual: 1.02 mg/L

**Vibration Reading:**

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





## Elk Grove Water District

### Monthly Production

Well 11D Dino -- Apr. 2019

**Selected Month Production**  
13,236,520 Gallons

Average GPM:  
1,702

**Motor:**

Volts: 470  
Volts (Rated): 460  
RPM: 1623  
RPM (Rated): 1775  
Amps A: 188  
Amps A (Rated): 225  
Amps B: 188  
Amps B (Rated): 187  
Amps C: 191  
Amps C (Rated): 225

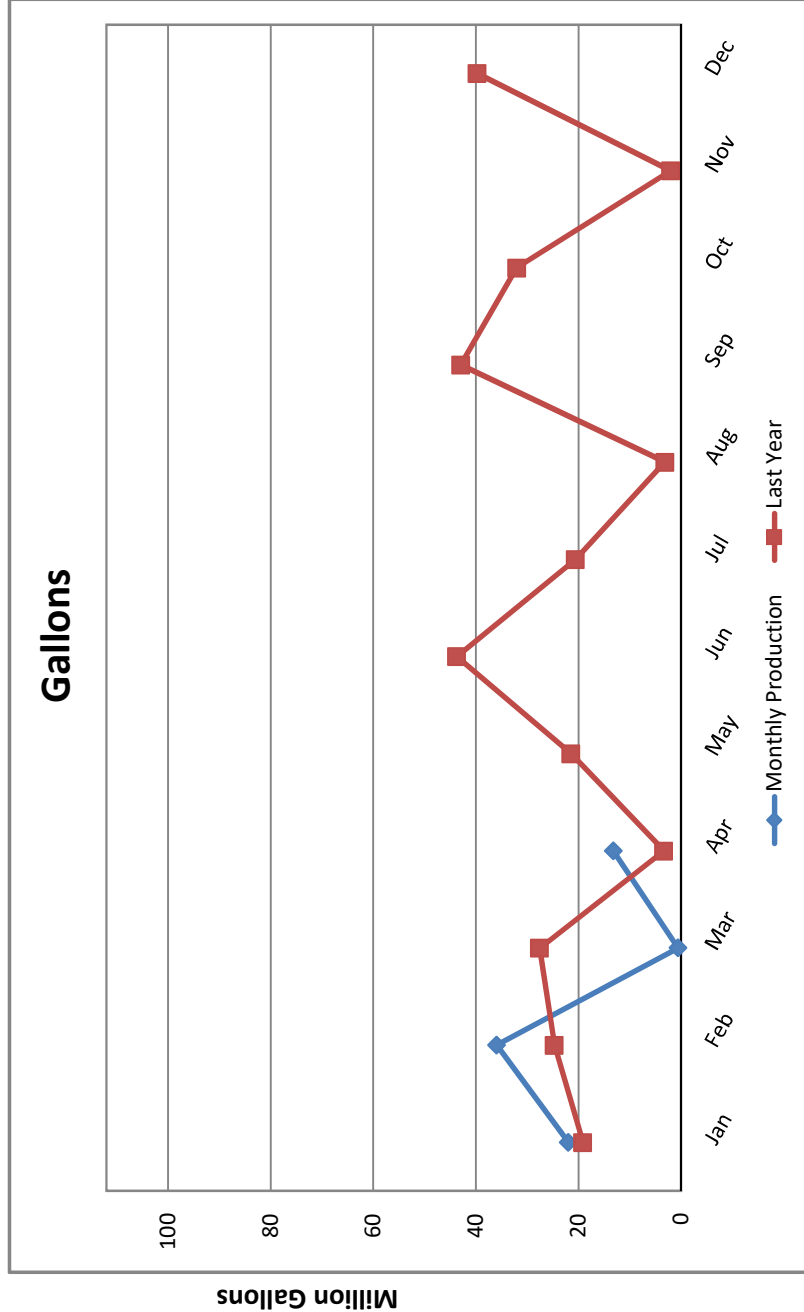
Motor Temp: 118.5 F  
Hour Meter: 129.60  
KW Hour Total: 19,560

**Chlorine:**

Dosing: 1.76 mg/L  
Demand: 0.75 mg/L  
Residual: 1.01 mg/L

**Vibration Reading:**

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





# Elk Grove Water District

## Monthly Production

Well 14D Railroad -- Apr. 2019

**Selected Month Production**  
24,997,330 Gallons

Average GPM:  
1,635

**Motor:**

Volts: 472  
 Volts (Rated): 460  
 RPM: 1785  
 RPM (Rated): 1785  
 Amps A: 161  
 Amps A (Rated): 171  
 Amps B: 164  
 Amps B (Rated): 171  
 Amps C: 160  
 Amps C (Rated): 171

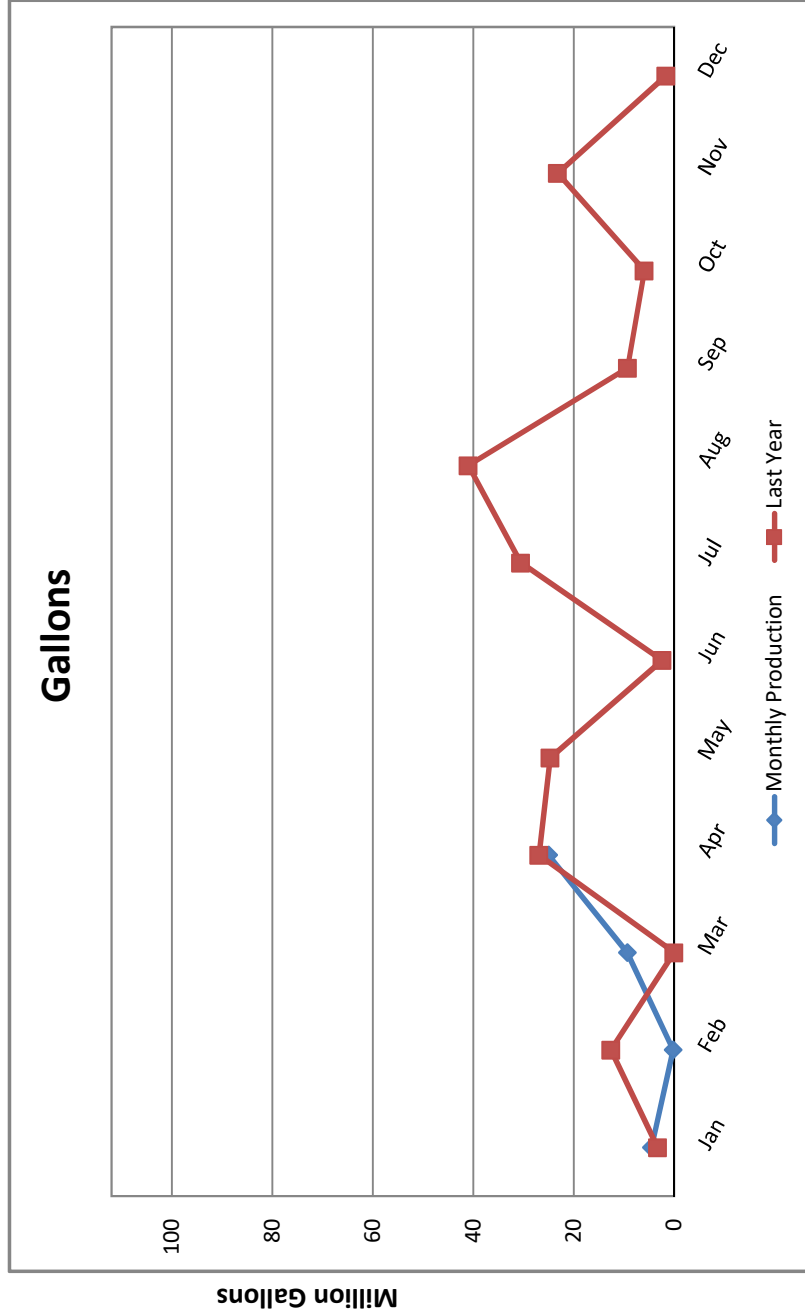
Motor Temp.: 116.0 F  
 Hour Meter: 254.80  
 KW Hour Total: 92,800  
 (KWH total is for the entire facility)

**Chlorine:**

Dosing: 1.79 mg/L  
 Demand: 0.78 mg/L  
 Residual: 1.01 mg/L

**Vibration Reading:**

Base Line: 0.02 in/sec  
 Current: 0.01 in/sec





## Elk Grove Water District

### Monthly Production

Well 3 Mar-Val -- Apr. 2019  
(Well offline)

**Selected Month Production**  
0 Gallons

Average GPM: 0

**Motor:**

Volts: --  
Volts (Rated): 460  
RPM: --  
RPM (Rated): 1983  
Amps A: --  
Amps A (Rated): 88  
Amps B: --  
Amps B (Rated): 88  
Amps C: --  
Amps C (Rated): 88

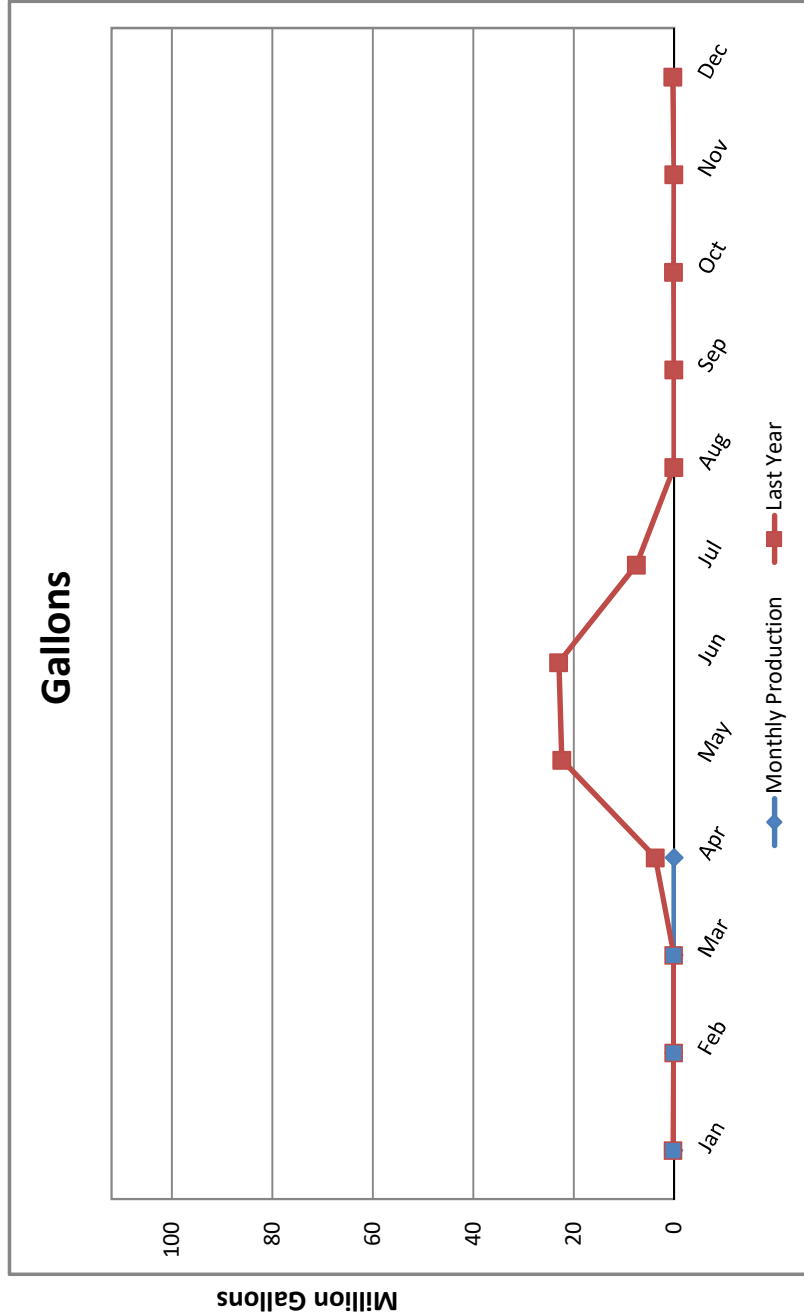
Motor Temp.: -- F  
Hour Meter: 0.00  
KW Hour Total: 0

**Chlorine:**

Dosing: -- mg/L  
Demand: -- mg/L  
Residual: -- mg/L

**Vibration Reading:**

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







## Elk Grove Water District

### Monthly Production

Well 8 Williamson -- Apr. 2019  
(Submersible)

**Selected Month Production**  
9,413,779 Gallons

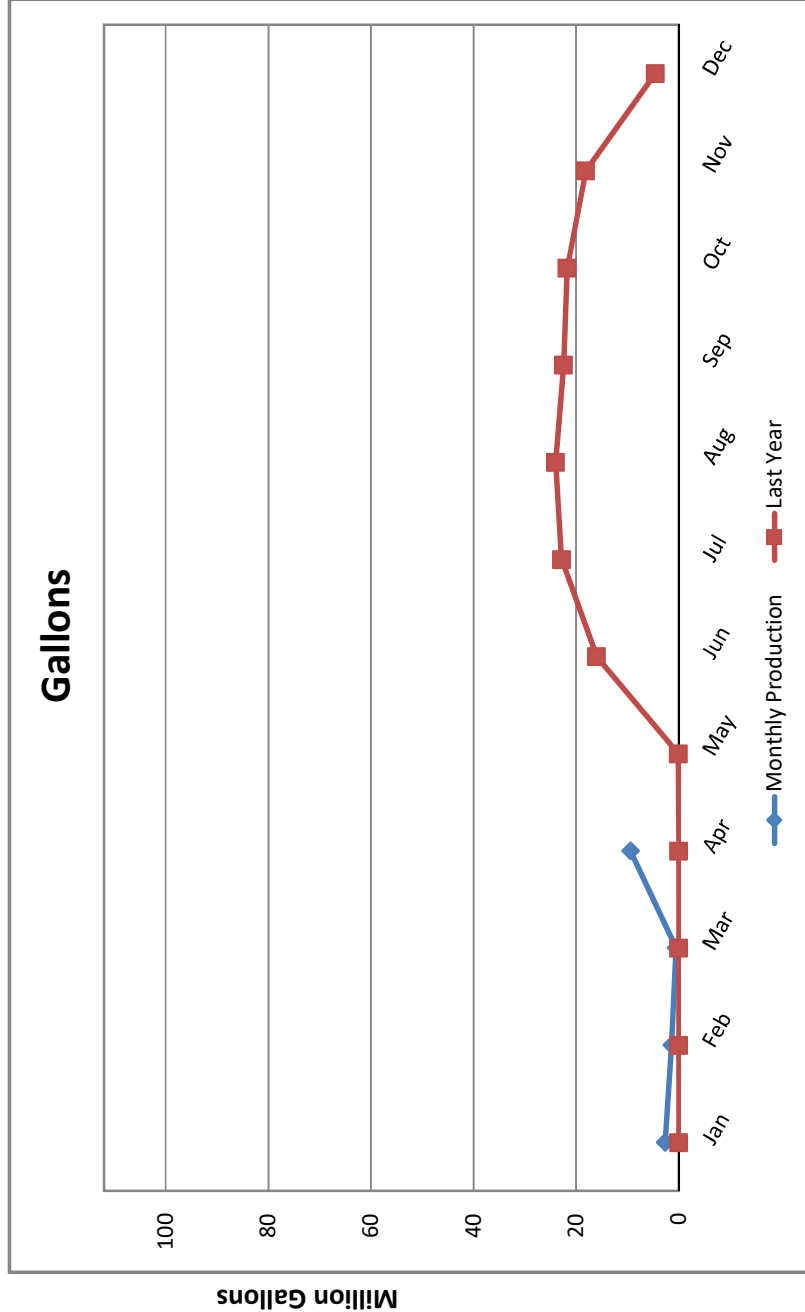
Average GPM: 541

**Motor:**  
Volts: 459  
Volts (Rated): 460

Amps A: 59  
Amps A (Rated): 65  
Amps B: 59  
Amps B (Rated): 65  
Amps C: 60  
Amps C (Rated): 65

Hour Meter: 289.80  
KW Hour Total: 11,666

**Chlorine:**  
Dosing: 0.99 mg/L  
Demand: 0.06 mg/L  
Residual: 0.93 mg/L





## Elk Grove Water District

### Monthly Production

Well 9 Polhemus -- Apr. 2019  
(Submersible)

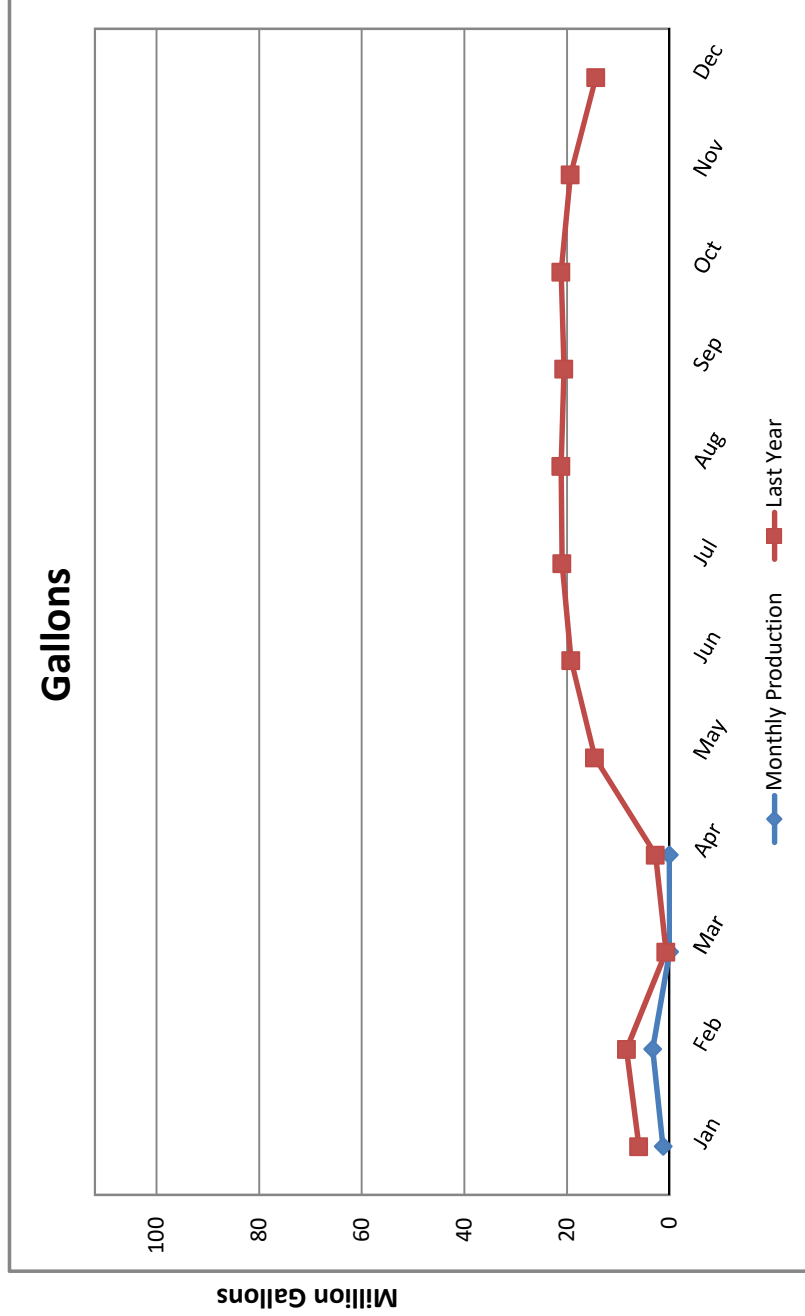
**Selected Month Production**  
49,000 Gallons

**Average GPM:** 510

**Motor:**  
Volts: 483  
Volts (Rated): 460  
  
Amps A: 59  
Amps A (Rated): 65  
Amps B: 58  
Amps B (Rated): 65  
Amps C: 61  
Amps C (Rated): 65

**Hour Meter:** 1.60  
**KW Hour Total:** 151

**Chlorine:**  
Dosing: 1.17 mg/L  
Demand: 0.14 mg/L  
Residual: 1.03 mg/L





## Elk Grove Water District

### Monthly Production

Well 13 Hampton -- Apr. 2019

**Selected Month Production**  
743,143 Gallons

Average GPM: 952

**Motor:**

Volts: 480  
 Volts (Rated): 460  
 RPM: 1785  
 RPM (Rated): 1785  
 Amps A: 103  
 Amps A (Rated): 141  
 Amps B: 104  
 Amps B (Rated): 141  
 Amps C: 106  
 Amps C (Rated): 141

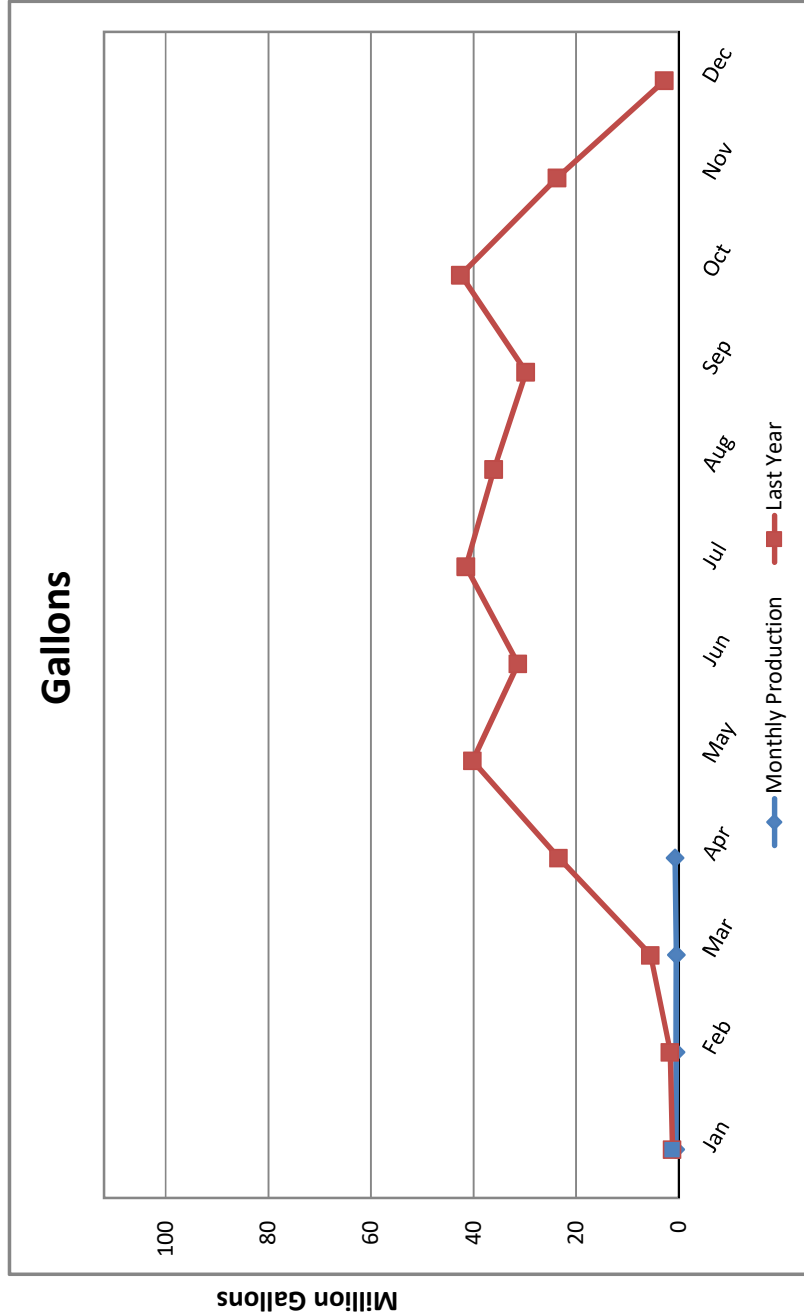
Motor Temp.: 108.8 F  
 Hour Meter: 13.00  
 KW Hour Total: 2,160

**Chlorine:**

Dosing: 1.73 mg/L  
 Demand: 0.78 mg/L  
 Residual: 0.95 mg/L

**Vibration Reading:**

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





# Elk Grove Water District

## Combined Total Production

Service Area 1

Apr-2019

**Current Month Production:**

81,981,728 Gallons

**Highest Day Demand of the Month:**

4,088,529

**Date of Occurrence**

27-Apr-19

**Highest Day Demand of the Calendar Year:**

4,088,529

**Date of Occurrence**

27-Apr-19

**"Water Year" Rainfall: (Oct-18 to Sep-19)**

Current Month: 0.77 in

Year To Date: 21.08 in

**"Water Year" Rainfall: (Oct-17 to Sep-18)**

April 2018: 2.00 in

Year To Date: 15.36 in

Last Year Total: 15.96 in

**Temperature:**

This Month High: 90 F

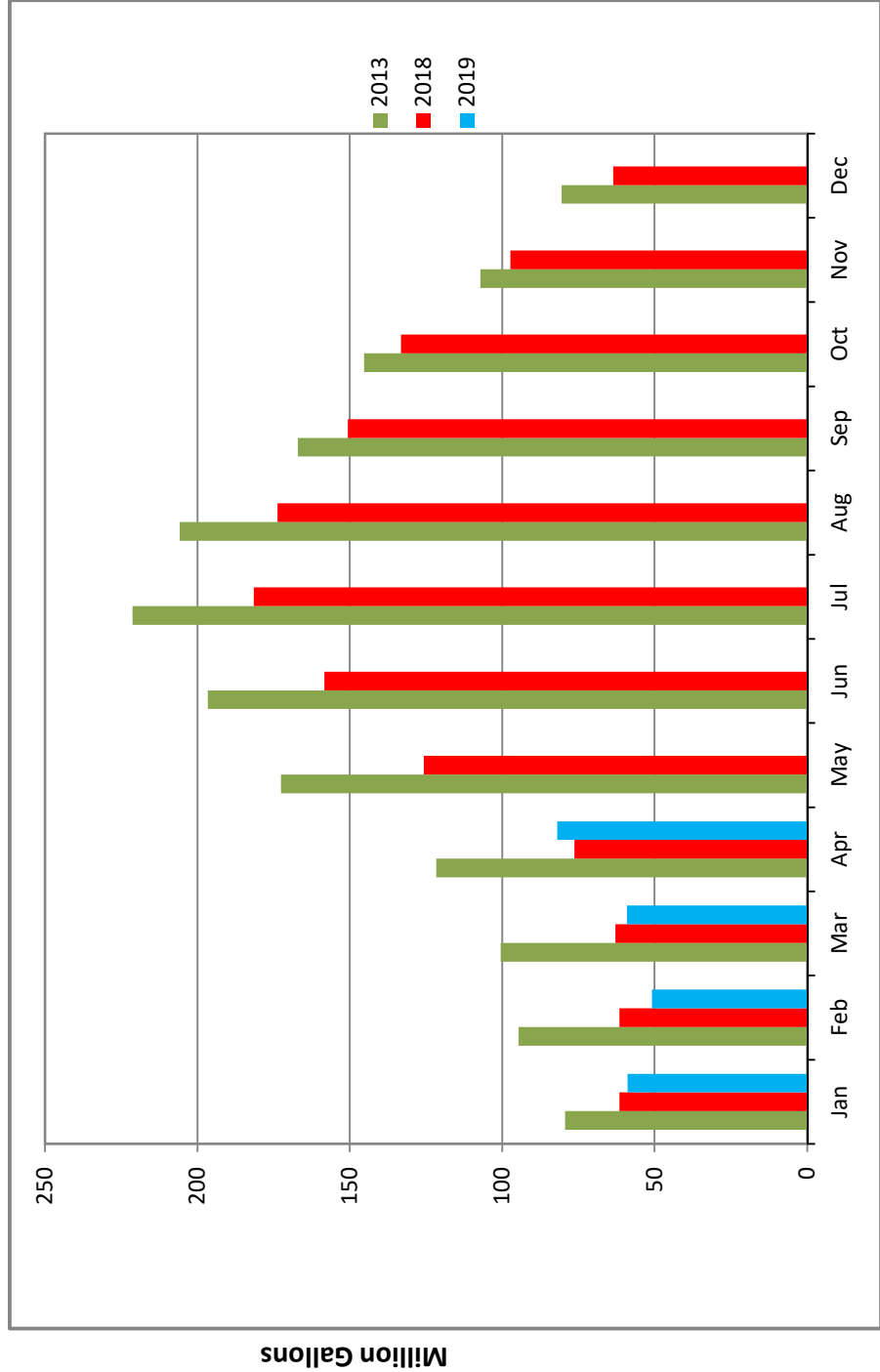
This Month Low: 44 F

This Month Average: 62.4 F

APR-18 High: 86 F

APR-18 Low: 35 F

APR-18 Average: 58.75 F

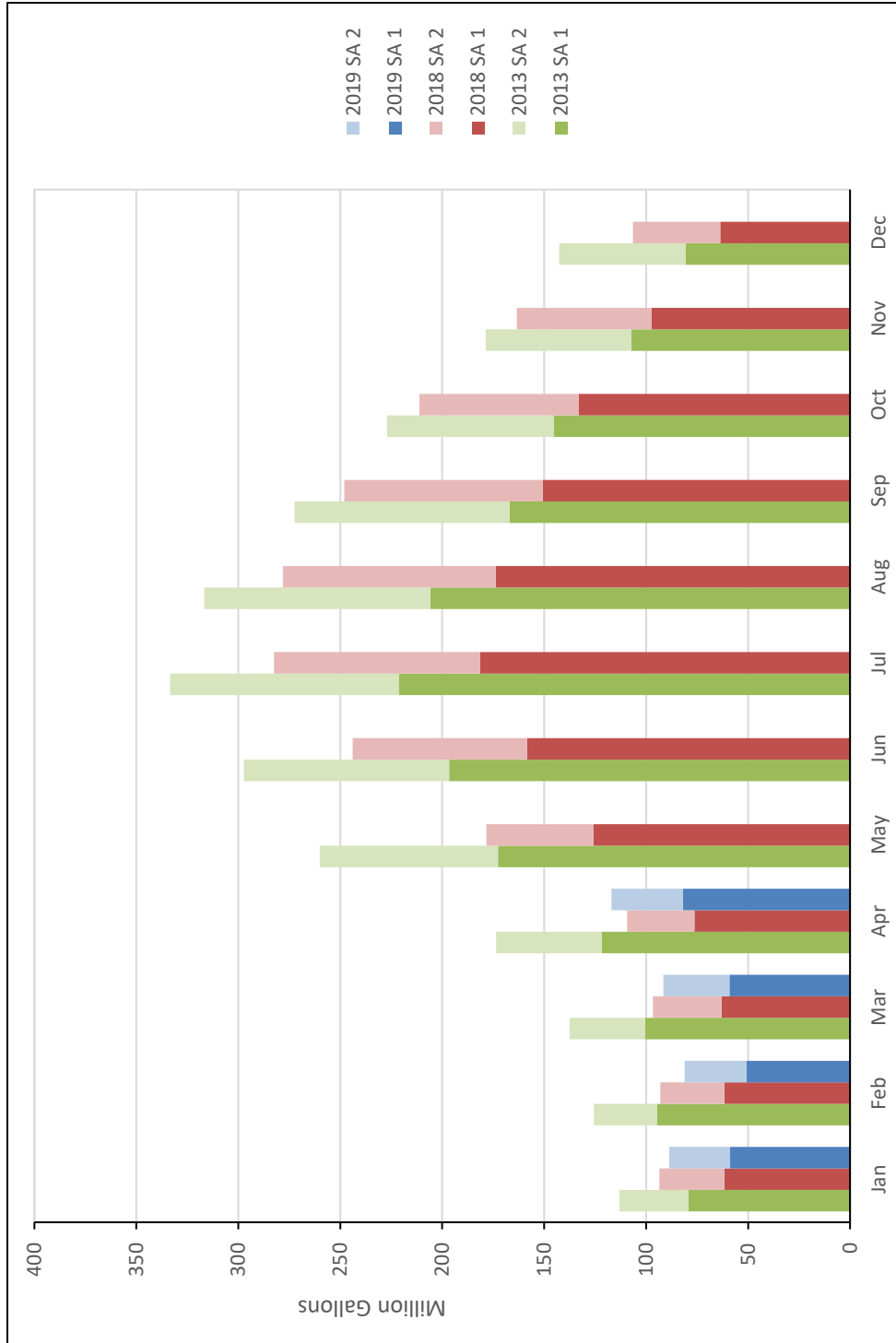




# Elk Grove Water District

## Total Demand/Production

Apr-2019



**Current Month Demand/Production:**  
116,976,160 Gallons  
**Reduction From Apr. 2013:** 32.59%  
**GPCD:** 86.6 Gallons per Day  
**R-GPCD:** 72.8 Gallons per Day

**Service Area 1**  
**Active Connections:** 7,946  
**Current Month Demand/Production:**  
81,981,728 Gallons  
**Reduction From Apr. 2013:** 32.59%  
**GPCD:** 95.6 Gallons per Day  
**R-GPCD:** 77.4 Gallons per Day

**Service Area 2**  
**Active Connections:** 4,431  
**Current Month Demand/Production:**  
32,485,640 Gallons  
**Reduction From Apr. 2013:** 32.59%  
**GPCD:** 71.1 Gallons per Day  
**R-GPCD:** 63.2 Gallons per Day

Elk Grove Water District Water Usage

		Monthly Production (gallons)											
		January	February	March	April	May	June	July	August	September	October	November	December
2013	GW (SA1)	68,254,916	81,368,191	100,542,522	121,613,523	172,623,839	196,557,137	221,335,388	205,830,850	166,997,536	145,352,530	107,186,459	80,494,167
	Purchased (SA2)	33,769,956	30,929,052	36,942,972	51,911,200	87,470,372	100,709,224	112,128,192	110,885,764	105,417,136	81,665,892	71,505,060	62,165,532
	Total	102,024,872	112,297,243	137,485,494	173,524,723	260,094,211	297,266,361	333,463,580	316,716,614	272,414,672	227,018,422	178,691,519	142,659,699
2015	GW (SA1)	62,684,574	57,365,413	86,489,437	88,984,850	106,158,389	114,555,359	127,038,586	125,052,315	117,883,208	99,385,733	64,079,715	57,508,787
	Purchased (SA2)	28,648,400	30,029,208	36,876,400	51,626,212	52,734,000	62,368,240	71,273,928	75,055,068	70,123,504	63,526,892	46,873,420	34,399,772
	Total	91,332,974	87,394,621	123,365,837	140,611,062	158,892,389	176,923,599	198,312,514	200,107,383	188,006,712	162,912,625	110,953,135	91,908,559
2016	GW (SA1)	54,579,679	53,455,693	56,776,025	80,317,655	110,937,338	148,518,660	164,758,463	159,501,571	140,200,584	99,019,629	63,087,762	59,635,559
	Purchased (SA2)	27,516,676	26,507,624	27,531,636	34,054,196	51,071,196	75,541,268	96,246,656	93,992,184	86,904,136	75,682,640	37,088,084	28,894,492
	Total	82,096,355	79,963,317	84,307,661	114,371,851	162,008,534	224,059,928	261,005,119	253,493,755	227,104,720	174,702,269	100,175,846	88,530,051
2017	GW (SA1)	59,973,881	50,320,832	61,080,559	68,658,752	137,599,305	155,472,951	180,086,739	173,684,119	152,475,400	131,390,808	76,619,642	67,874,741
	Purchased (SA2)	26,951,188	28,184,640	28,756,860	34,167,892	48,653,660	87,003,620	96,535,384	104,766,376	98,979,848	84,154,488	61,788,540	34,228,480
	Total	86,925,069	78,505,472	89,837,419	102,826,644	186,252,965	242,476,571	276,622,123	278,450,495	251,455,248	215,545,296	138,408,182	102,103,221
2018	GW (SA1)	61,547,751	61,538,850	62,848,303	76,267,144	125,703,221	158,313,394	181,467,446	173,737,676	150,609,278	133,163,991	97,294,654	63,631,042
	Purchased (SA2)	31,925,388	31,512,492	33,779,680	32,989,792	52,692,860	85,679,660	101,031,612	104,457,452	97,400,072	77,996,204	66,116,468	42,849,180
	Total	93,473,139	93,051,342	96,627,983	109,256,936	178,396,081	243,993,054	282,499,058	278,195,128	248,009,350	211,160,195	163,411,122	106,480,222
2019	GW (SA1)	58,847,001	50,827,497	59,064,385	81,981,728								
	Purchased (SA2)	29,895,316	30,359,076	32,485,640	34,994,432								
	Total	88,742,317	81,186,573	91,550,025	116,976,160								

% Reduction from 2013 13.02% 27.70% 33.41% 32.59% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00% 100.00%

\*Notes

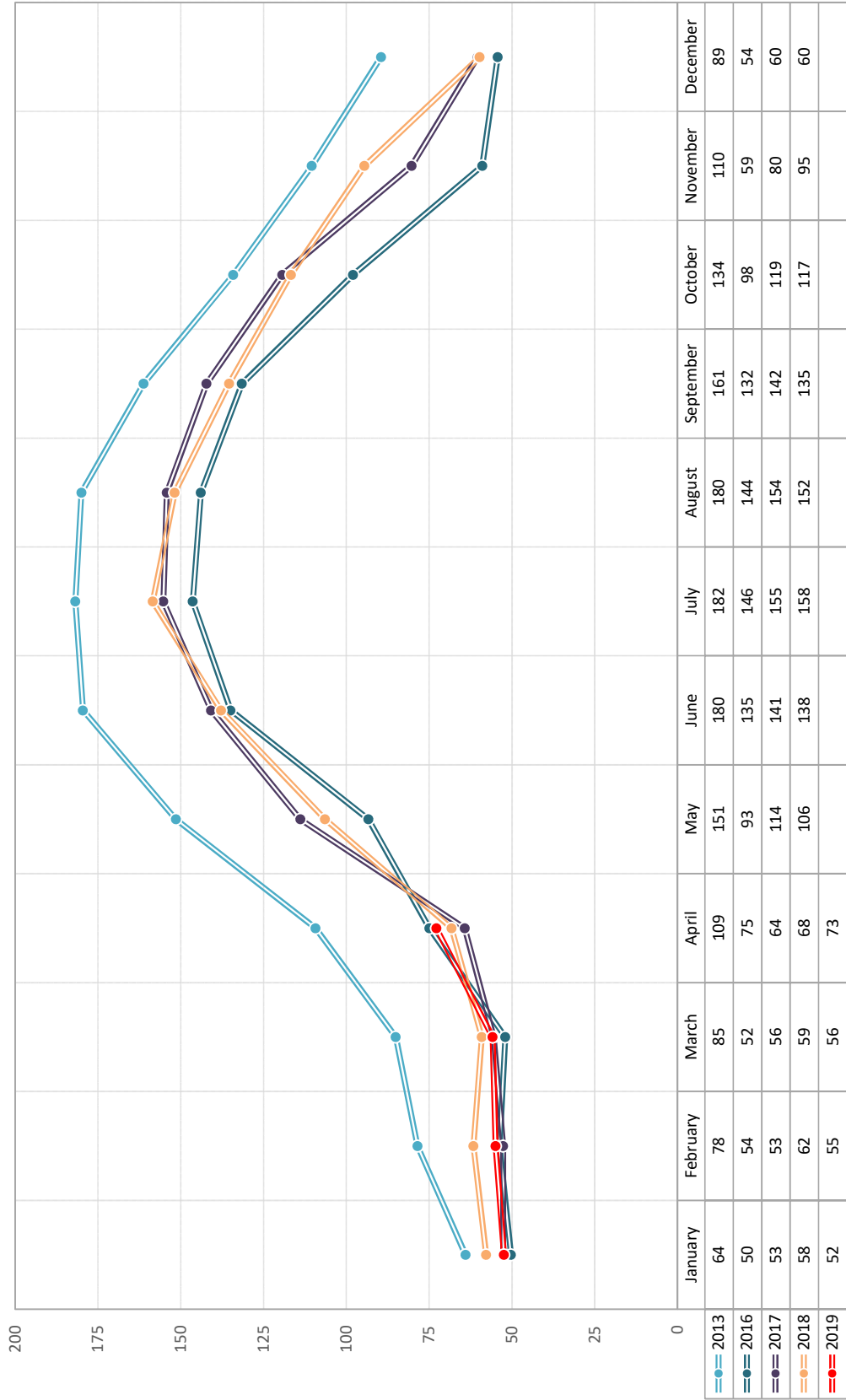
2013 January and February production numbers do not match actually recorded production because of an open intertie delivering water to SA2. Information below is further details.  
 SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.  
 Actual Recorded Prod. (Jan. 2013) - Service Area 1 79,361,342 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)  
 Actual Recorded Prod. (Feb. 2013) - Service Area 1 94,608,406 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)  
 To determine estimate of Feb. 2013 production delivered to Service Area 1, use multiplier from March data which is seasonally similar.)  
 Service Area 1 Multiplier = 1.39 (calculated from March 2013 Prod. Data/March 2014 Prod. Data)  
 Calc'd Feb. 2013 Prod. = Feb. 2014 Prod. Data x 1.39 = 79,737,924  
 To determine estimate of Jan. 2013 production, use prorated amount from Feb. 2013 data. (This method due to Jan. 2014 being unseasonably hot.)  
 Calc'd Jan. 2013 Prod. = (Feb. 2013 Prod. Data Calc'd / Feb. 2013 Prod. Data Actual) x Jan. 2013 Prod. Data Actual = 68,254,916

Service Area 2	Consumption	
	# Accts	CCF Gallons
2019		
Jan	4,412	39,967 29,895,316
Feb	4,416	40,587 30,359,076
Mar	4,416	43,430 32,485,640
Apr	4,422	46,784 34,994,432
May		0
Jun		0
Jul		0
Aug		0
Sep		0
Oct		0
Nov		0
Dec		0



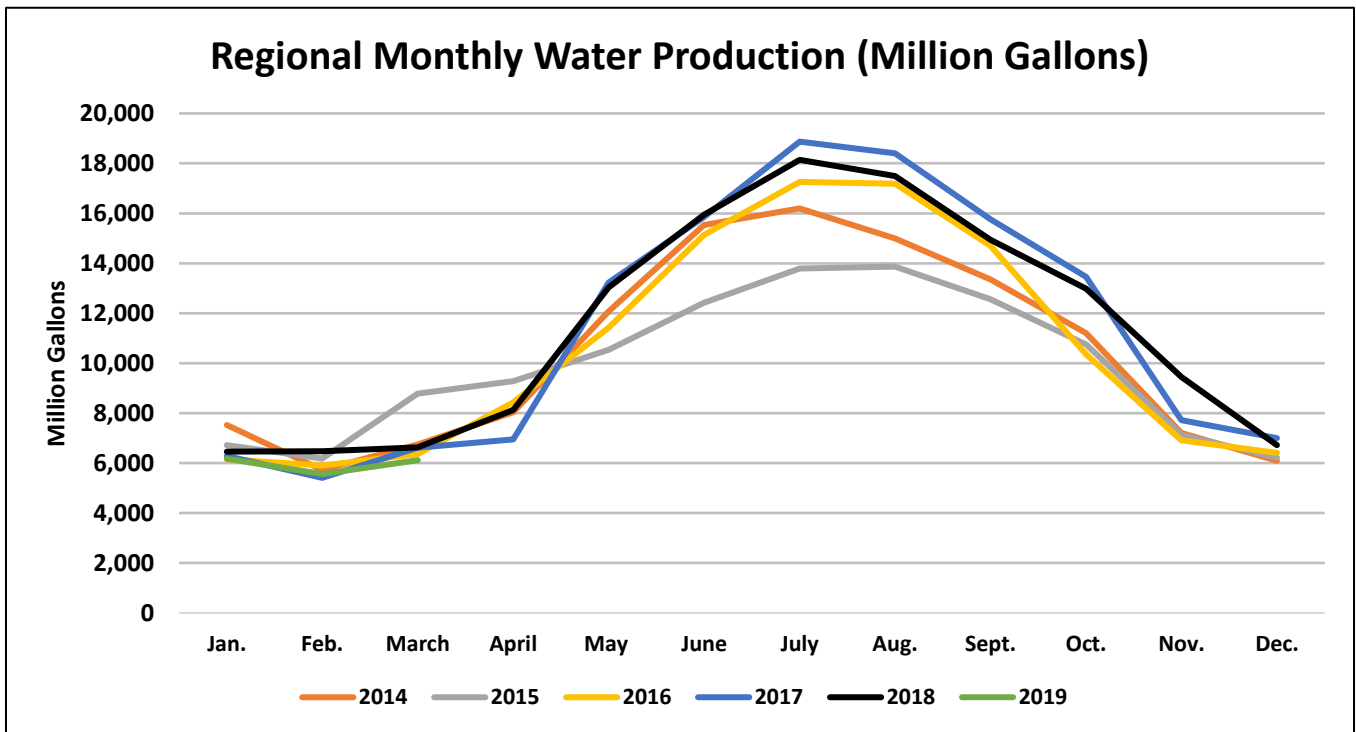
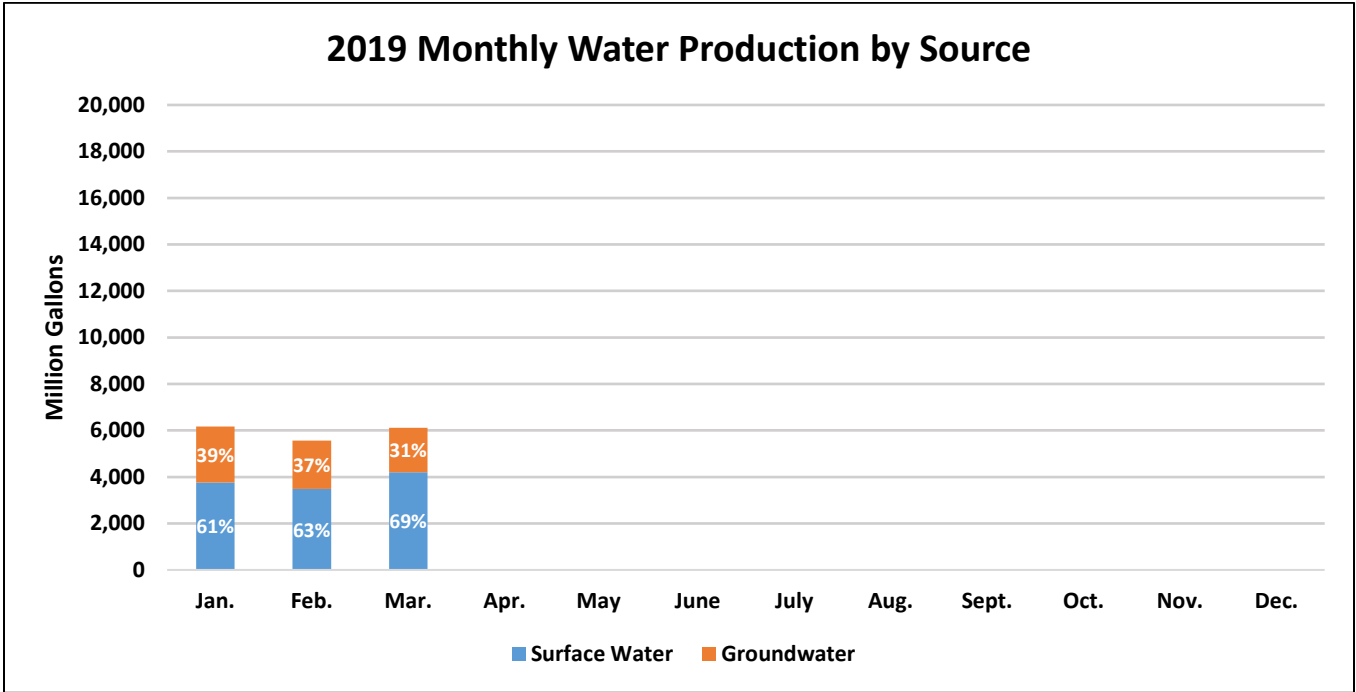
# EGWD COMBINED R-GPCD

● 2013   
 ● 2016   
 ● 2017   
 ● 2018   
 ● 2019



# March 2019 Data Summary

2019 Monthly Water Production by Source (Million Gallons)													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
SW	4,200	3,863	4,197										12,260
GW	1,974	1,696	1,918										5,587
<b>Total</b>	<b>6,173</b>	<b>5,559</b>	<b>6,115</b>										<b>17,848</b>



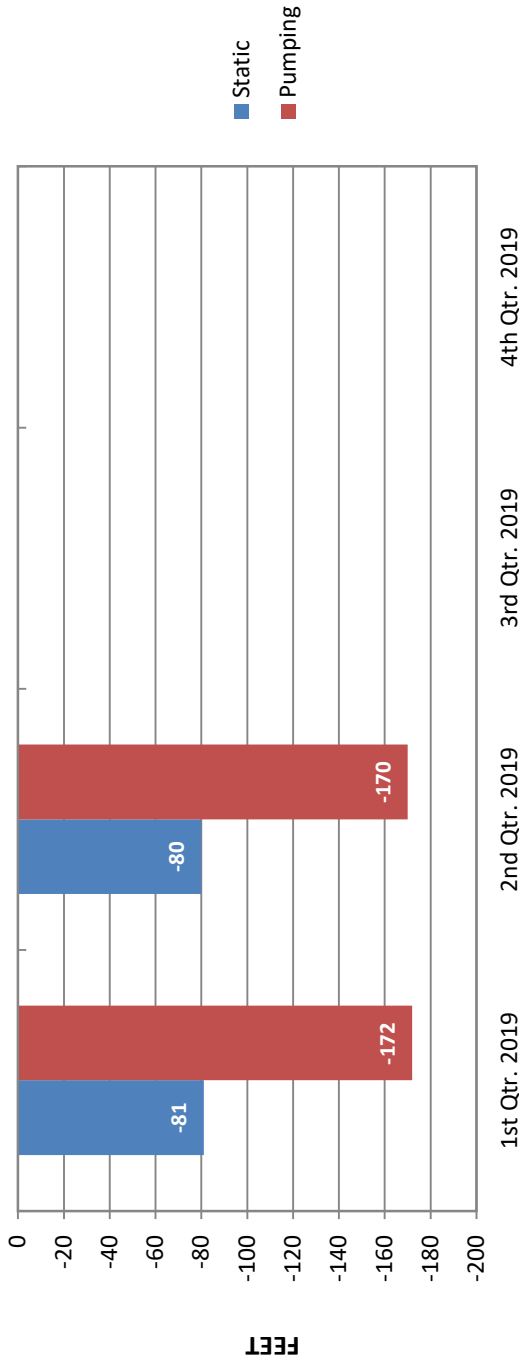




# Elk Grove Water District

## Static and Pumping Levels

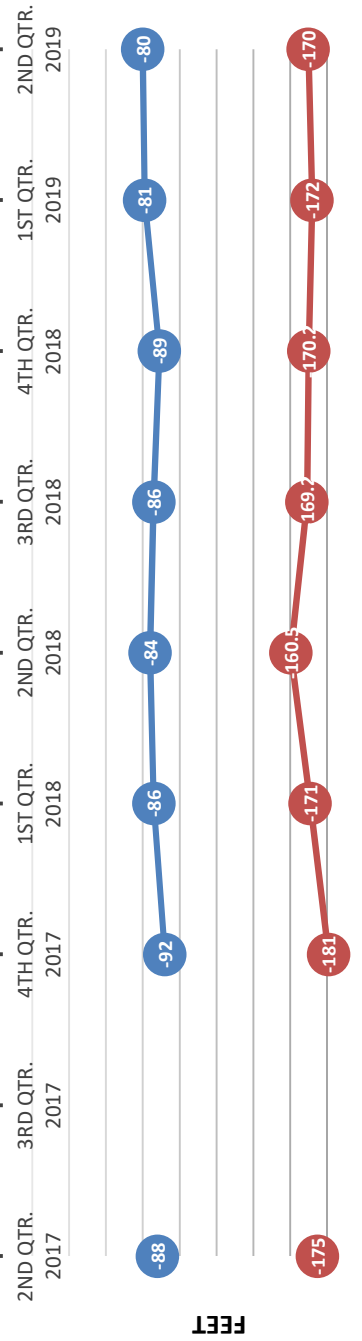
Well 1D School St



### Latest Well Sounding

Static: 80 Ft  
 Pumping: 170 Ft  
 Drawdown: 90 Ft  
 GPM: 1,852  
 Specific Capacity: 20.578

### Sounding Quarter/Year



### Latest Sand Tester Results:

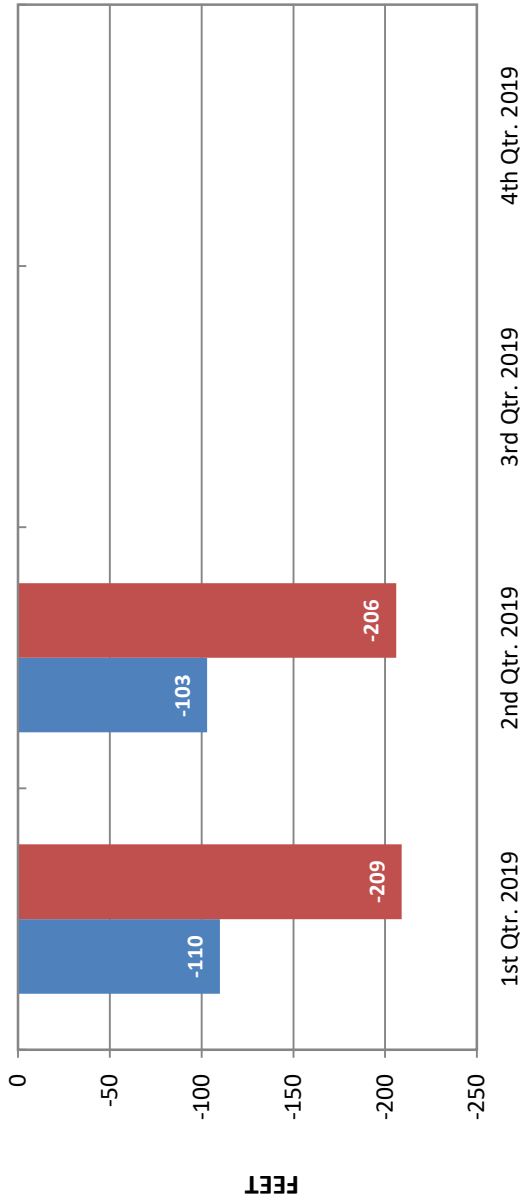
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 4D Webb St

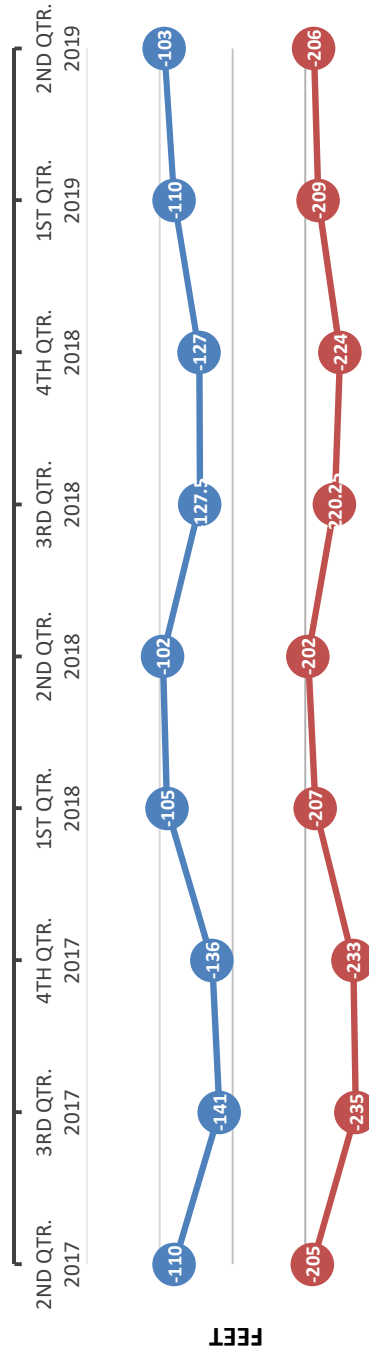


### Latest Well Sounding

Static: 103 Ft  
 Pumping: 206 Ft  
 Drawdown: 103 Ft  
 GPM: 1,778  
 Specific Capacity: 17.262

■ Static  
 ■ Pumping

### Sounding Quarter/Year



### Latest Sand Tester Results:

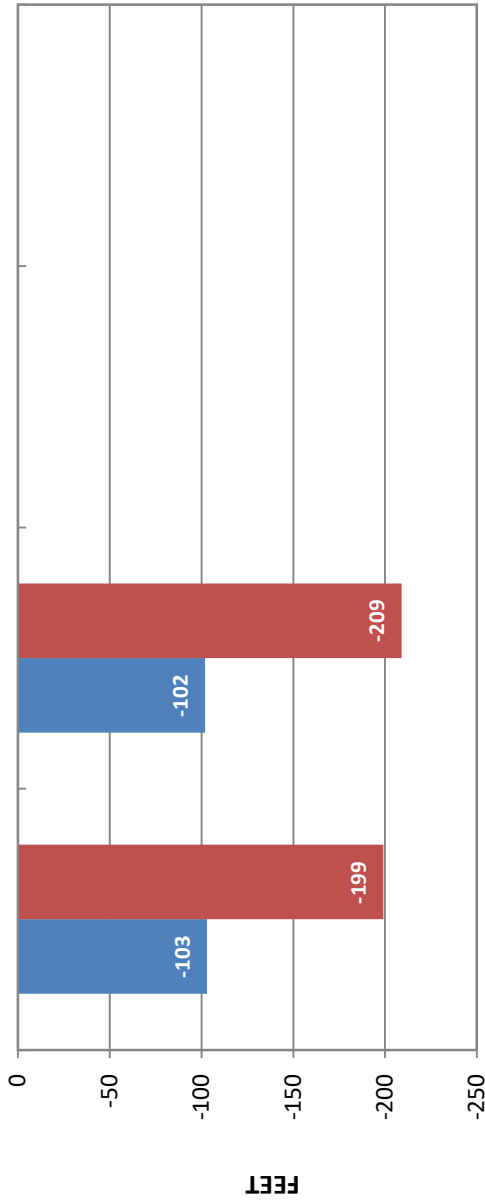
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

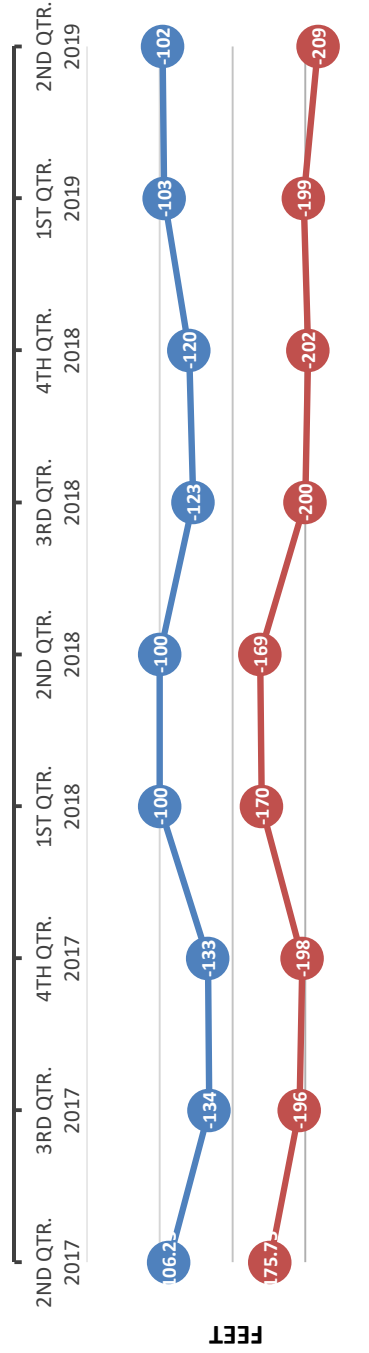
Well 11D Dino



### Latest Well Sounding

**Static:** 102 Ft  
**Pumping:** 209 Ft  
**Drawdown:** 107 Ft  
**GPM:** 1,673  
**Specific Capacity:** 15.636

### Sounding Quarter/Year



### Latest Sand Tester Results:

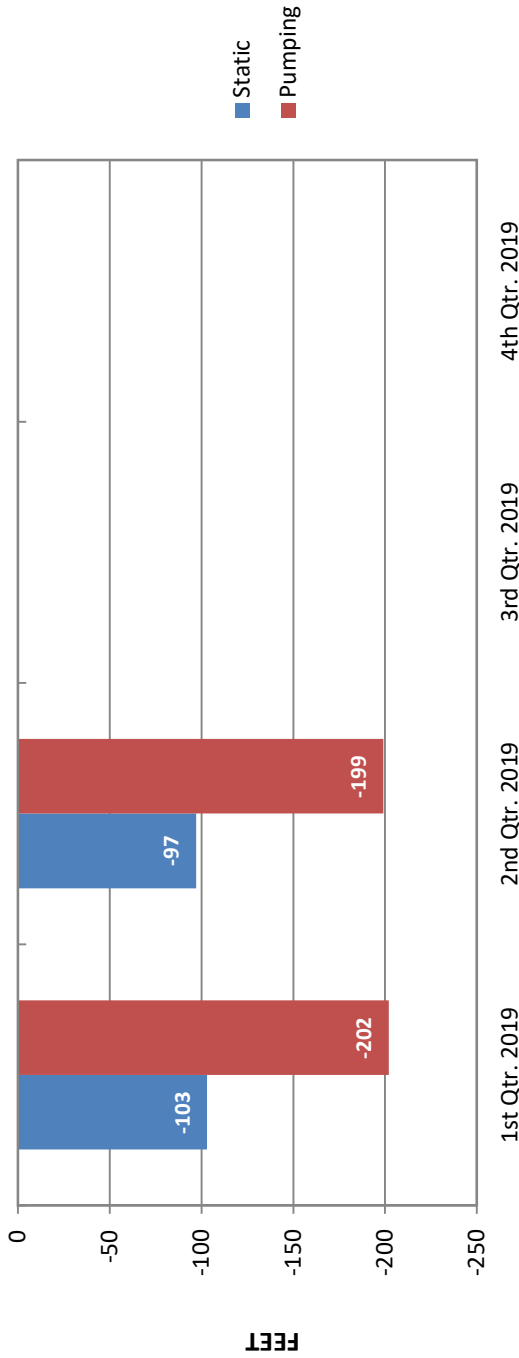
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 14D Railroad

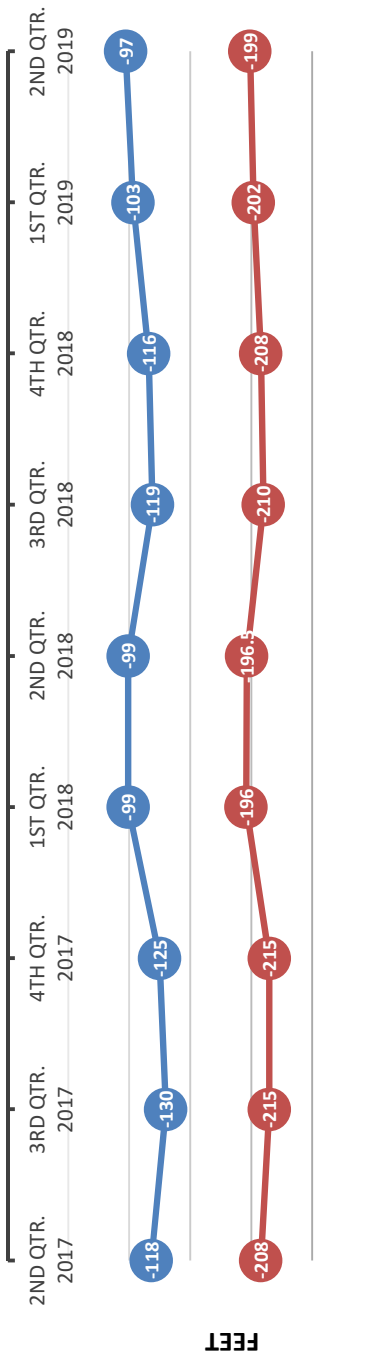


■ Static  
■ Pumping

### Latest Well Sounding

**Static:** 97 Ft  
**Pumping:** 199 Ft  
**Drawdown:** 102 Ft  
**GPM:** 1,674  
**Specific Capacity:** 16.412

### Sounding Quarter/Year



### Latest Sand Tester Results:

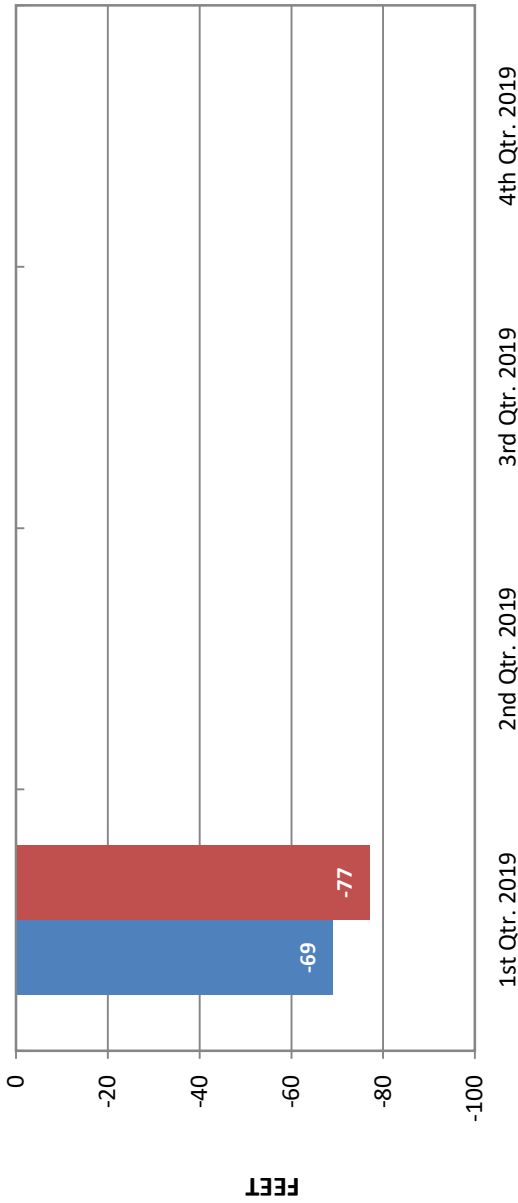
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

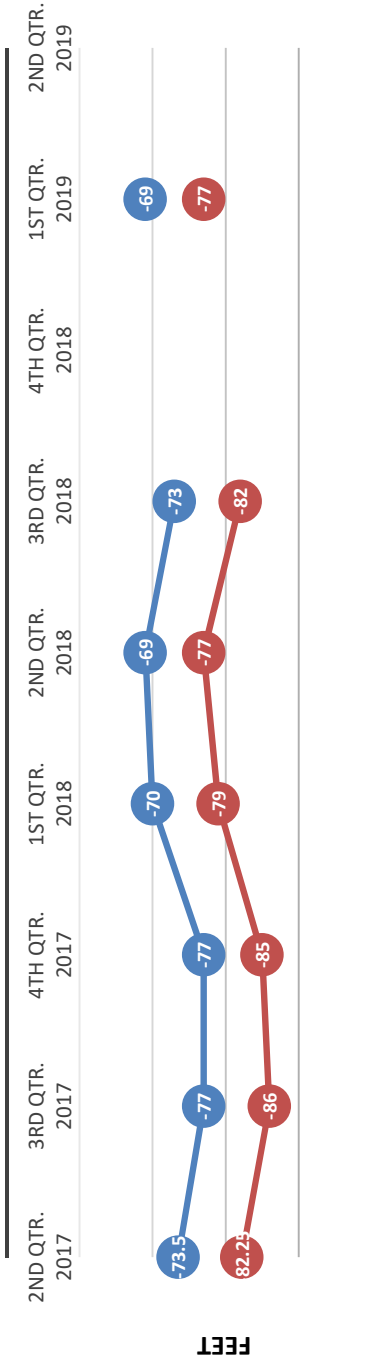
Well 3 Mar-Val



### Latest Well Sounding

Static: 69 Ft  
 Pumping: 77 Ft  
 Drawdown: 8 Ft  
 GPM: 810  
 Specific Capacity: 101.250

### Sounding Quarter/Year



### Latest Sand Tester Results:

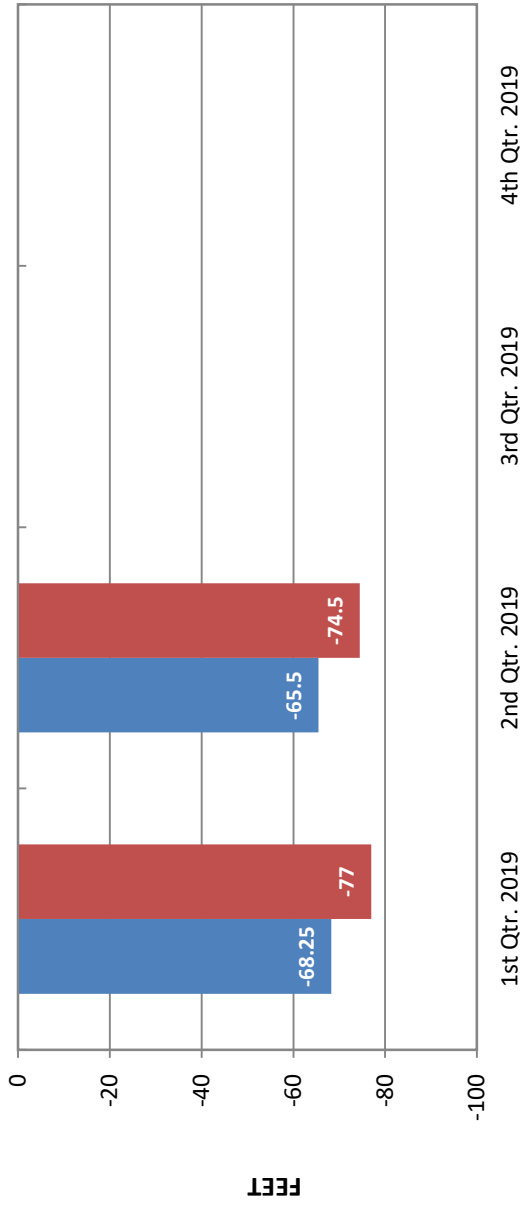
15 Min: 7.044 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 8 Williamson



### Latest Well Sounding

Static: 65.5 Ft

Pumping: 74.5 Ft

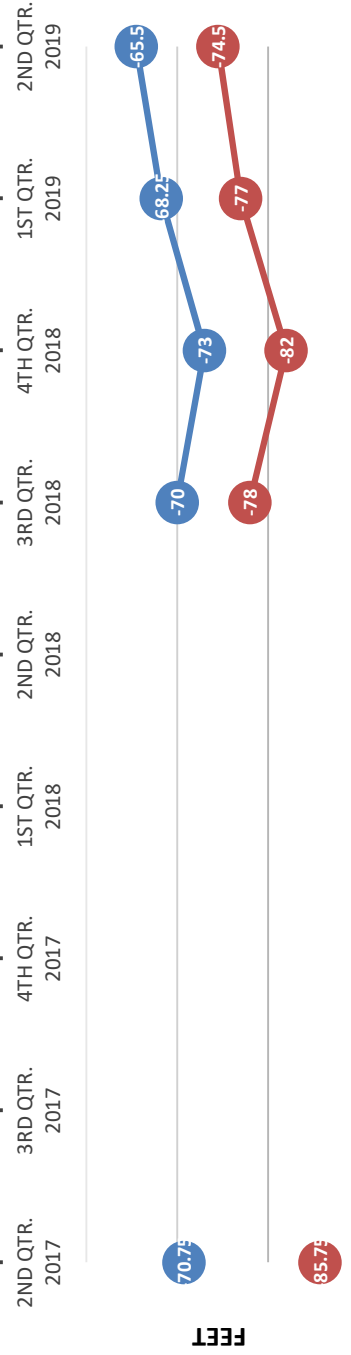
Drawdown: 9 Ft

GPM: 544

Specific Capacity: 60.487

■ Static  
■ Pumping

### Sounding Quarter/Year



### Latest Sand Tester Results:

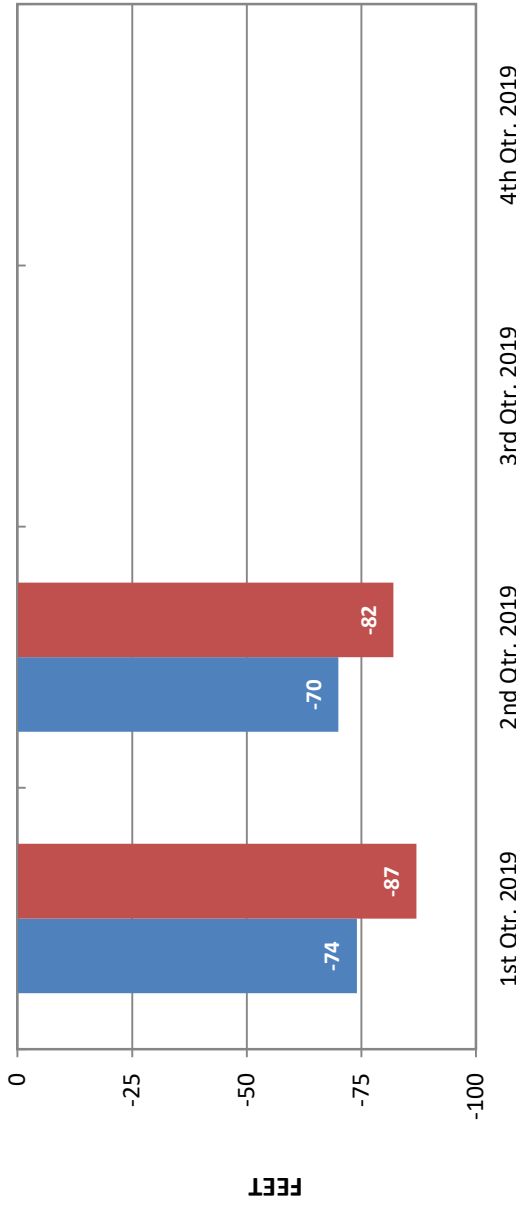
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

Well 9 Polhemus

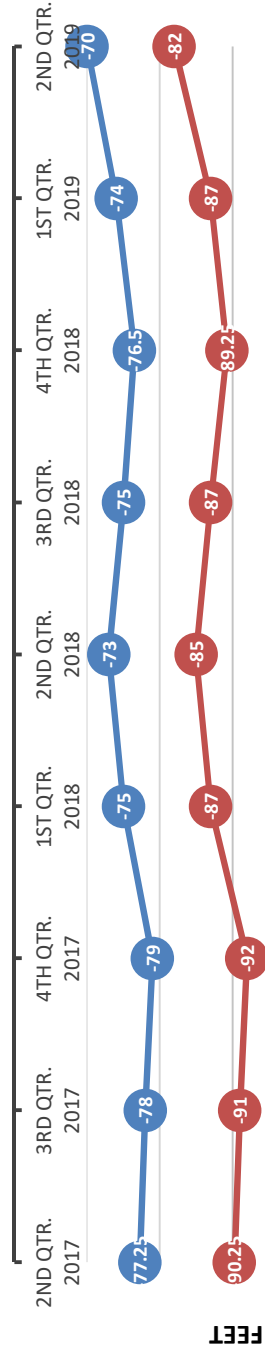


### Latest Well Sounding

Static: 70 Ft  
 Pumping: 82 Ft  
 Drawdown: 12 Ft  
 GPM: 480  
 Specific Capacity: 40.000

■ Static  
 ■ Pumping

### Sounding Quarter/Year



### Latest Sand Tester Results:

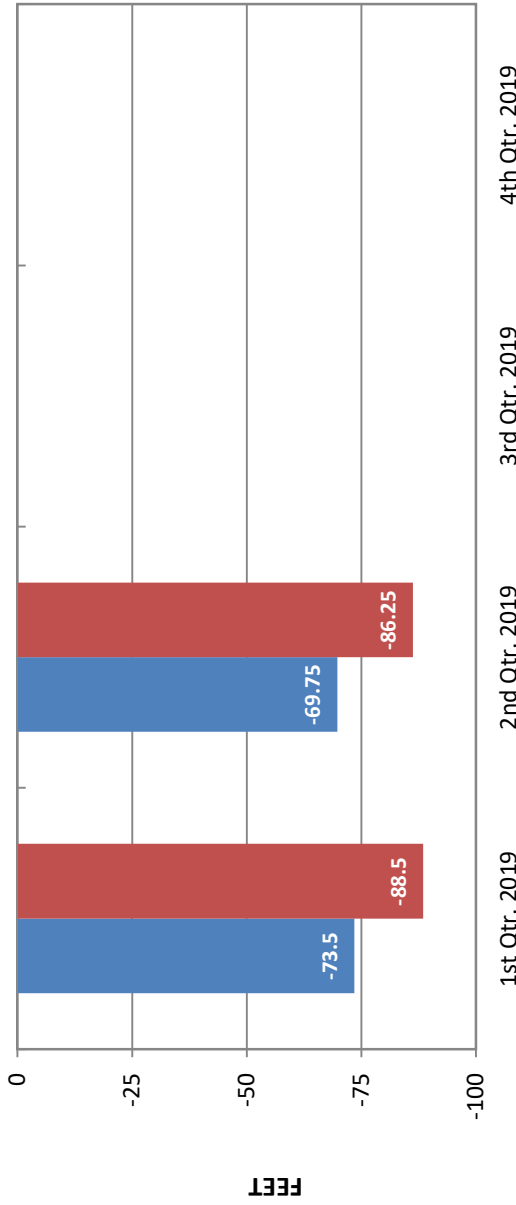
15 Min: < 5 ppm



# Elk Grove Water District

## Static and Pumping Levels

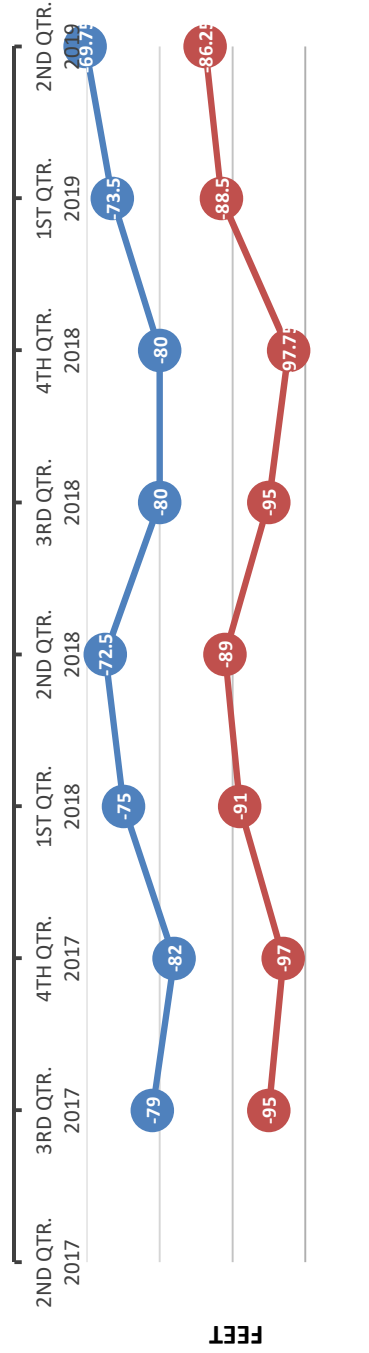
Well 13 Hampton



### Latest Well Sounding

Static: 69.75 Ft  
 Pumping: 86.25 Ft  
 Drawdown: 16.5 Ft  
 GPM: 985  
 Specific Capacity: 59.680

### Sounding Quarter/Year



### Latest Sand Tester Results:

15 Min: < 5 ppm



**Monthly Sample Report - April 2019**  
**Water System: Elk Grove Water System**

Sampling Point: 01 - 8693 W. Camden			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	TTHM / HAA5	Quarterly

Sampling Point: School Well 01D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/16/2019	Source Water	3 mo - Bacteriological	Quarterly
4/16/2019	Source Water	3 mo - Fe,Mn,As Total	Quarterly
4/16/2019	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week

Sampling Point: - Mar-Val Well 3 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
			Out of Service Rehab

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Source Water	3 mo - Bacteriological	Quarterly
4/2/2019	Source Water	3 mo - Fe,Mn,As Total	Quarterly
4/2/2019	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 04 - 10122 Glacier Point			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week

Sampling Point: 05 - 9230 Amsden Ct.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	TTHM / HAA5	Quarterly

**Sampling Point: 06 - 9227 Rancho Dr.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week

**Sampling Point: 07 - Al Gates Park Mainline Dr.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week

**Sampling Point: - Williamson Well 8 Raw Water**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/23/2019	Source Water	3 mo - Bacteriological	Quarterly
4/23/2019	Source Water	3 mo - Fe,Mn,As Total	Quarterly
4/23/2019	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

**Sampling Point: 08 - 9436 Hollow Springs Wy.**

Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	Bacteriological	Week
4/16/2019	Distribution System	Bacteriological	Week
4/23/2019	Distribution System	Bacteriological	Week
4/30/2019	Distribution System	Bacteriological	Week
4/9/2019	Distribution System	TTHM / HAA5	Quarterly

Sampling Point: Polhemus Well 9 Raw Water		
Sample Date	Sample Class	Sample Name
		Collection Occurrence
		Quarterly

Sampling Point: 09 - 8417 Blackman Wy.		
Sample Date	Sample Class	Sample Name
		Collection Occurrence
4/2/2019	Distribution System	Bacteriological
4/9/2019	Distribution System	Bacteriological
4/16/2019	Distribution System	Bacteriological
4/23/2019	Distribution System	Bacteriological
4/30/2019	Distribution System	Bacteriological

Sampling Point: 10 - 9373 Oreo Ranch Cir.		
Sample Date	Sample Class	Sample Name
		Collection Occurrence
4/2/2019	Distribution System	Bacteriological
4/9/2019	Distribution System	Bacteriological
4/16/2019	Distribution System	Bacteriological
4/23/2019	Distribution System	Bacteriological
4/30/2019	Distribution System	Bacteriological
4/2/2019	Distribution System	Fluoride

Sampling Point: Dino Well 11D - Raw Water		
Sample Date	Sample Class	Sample Name
		Collection Occurrence
4/9/2019	Source Water	3 mo - Bacteriological
4/9/2019	Source Water	3 mo - Fe,Mn,As Total
4/9/2019	Source Water	3 mo - Fe,Mn,As Dissolved

Sampling Point: Hampton Well 13 - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Source Water	Fe, Mn, As, Total	Weekly
4/2/2019	Source Water	Bacteriological	Weekly
4/9/2019	Source Water	Fe, Mn, As, Total	Weekly
4/16/2019	Source Water	Fe, Mn, As, Total	Weekly
4/23/2019	Source Water	Fe, Mn, As, Total	Weekly
4/30/2019	Source Water	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/2/2019	Treated Effluent	Fe, Mn, As, Total	Weekly
4/9/2019	Treated Effluent	Fe, Mn, As, Total	Weekly
4/16/2019	Treated Effluent	Fe, Mn, As, Total	Weekly
4/23/2019	Treated Effluent	Fe, Mn, As, Total	Weekly
4/30/2019	Treated Effluent	Fe, Mn, As, Total	Weekly

Sampling Point: Hampton WTP Backwash Tank			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/16/2019	Source Water	3 mo - Bacteriological	Quarterly
4/16/2019	Source Water	3 mo - Fe, Mn, As Total	Quarterly
4/16/2019	Source Water	3 mo - Fe, Mn, As Dissolved	Quarterly
4/16/2019	Source Water	3 mo - Threshold Odor	Quarterly

Sampling Point: Railroad WTP Effluent			
Sample Date	Sample Class	Sample Name	Collection Occurrence
4/9/2019	Treated Plant Effluent	WTP Eff - Fe, Mn, As, Al Total	Month
4/9/2019	Treated Plant Effluent	WTP Eff - Fe, Mn, As, Al Dissolved	Month

Sampling Point: Railroad WTP Backwash Tank		
Sample Date	Sample Class	Sample Name

Sampling Point: Special Distribution/Construction Samples		
Sample Date	Sample Class	Sample Name
4/3/2019	Distribution System	Bacteriological
4/25/2019	Source Water	Fe, As, Mn, Total/Dissolved

Colors	Monthly Total	Yearly Total
Black = Scheduled	76	265
Green = Unscheduled	8	25
Red = Incomplete Sample	0	

Elk Way New Water Mains  
Well #3 CIP Well Improvement



May 2, 2019

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

### **MONTHLY COMPLIANCE REPORT**

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Enclosed is the Monthly Compliance Report Form from Elk Grove Water District for April 2019.

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 with a long, sweeping horizontal stroke at the top.

STEVE SHAW  
WATER TREATMENT SUPERVISOR

**COMPLIANCE REPORT FORM**

Attn: Michelle Pate	E-mail: patem@sacsewer.com	Wastewater Source Control Section
Phone (916) 875-9091		Fax (916) 875-6374
From: Steve Shaw		
Company: <b>Elk Grove Water District</b>		Permit # <b>WTP010</b>

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

<b>Month:</b>	<b>April</b>	<b>Year:</b>	<b>2019</b>
---------------	--------------	--------------	-------------

Water use/flow meter report  
 Hampton WTP -37,484  
 Railroad WTP -0

	Date	Time	pH
Hampton WTP			
Railroad WTP			

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	3	20	15	900
Office	4	20	10	800
Drivers/Field	19	20	3	1140
Total				2840

**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  
 (Name) Water Treatment Supervisor  
 (Title)

DATE:

5-2-2019





May 1, 2019

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

**MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING**

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for April 2019. Per my phone consultation with District Engineer Ali Rezvani on April 1, 2019, the sampling of the source water was completed on April 2, 2019 for the Total Coliform Positive sample in March.

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;">April</p>	Year <p style="text-align: center; font-size: 1.2em;">2019</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number E.coli Positives
1. Routine Samples (see note 1)	50	50	0	<span style="border: 1px solid black; padding: 2px;">0</span>
2. Repeat Samples following samples that are Total Coliform Positive and <i>E. coli</i> <b>Negative</b> (see notes 10 and 11)		0	0	<span style="border: 1px solid black; padding: 2px;">0</span>
3. Repeat Samples following Routine Samples that are <b>Total Coliform Positive</b> and <i>E. coli</i> <b>Positive</b> (see notes 10 and 11)		0	<span style="border: 1px solid black; padding: 2px;">0</span>	<span style="border: 1px solid black; padding: 2px;">0</span>
4. Treatment Technique (TT)/MCL Violation Computation for Total Coliform/ <i>E. coli</i> Positive Samples				
a. Totals (sum of columns)	50	50	0	<span style="border: 1px solid black; padding: 2px;">0</span>
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] =	0	%		
c. Did the system trigger... a <b>Level 2</b> Assessment TT? (see notes 2, 3, 4, 5 and 6 for trigger info) <i>If a Level 2 Assessment is triggered, see note 8 below.</i>			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
a <b>Level 1</b> Assessment TT? (see note 7 for trigger info) <i>If a Level 1 Assessment is triggered, see note 9 below.</i>			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5. Triggered Source Samples per Groundwater Rule (see notes 12 and 13)		1	0	<span style="border: 1px solid black; padding: 2px;">0</span>
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: <b>Steve Shaw</b>				
Signature 	Title <p style="text-align: center; font-size: 1.2em;">Water Treatment Supervisor</p>	Date <p style="text-align: right; font-size: 1.2em;">5/1/2019</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

# COLIFORM MONITORING WORKSHEET

( COMPLETED FOR POSITIVE ROUTINE SAMPLES, ALL REPEAT SAMPLES, AND ALL TRIGGERED SOURCE SAMPLES)

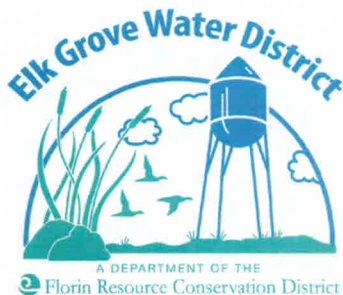
Report Month April Year 2019

Routine Samples <sup>9</sup>			Repeat Samples <sup>6</sup>				Triggered Source Samples <sup>8</sup>				
TC+ Sample Date	TC+ Sample Site ID	<sup>12</sup> E. coli Results	Repeat Collection Date	Repeat Sample Site IDs <sup>10</sup>	Coliform Results (Check one box)			Source Sample Date	Groundwater Source(s) Sampled	<sup>12</sup> TC Results	<sup>11,12</sup> E. coli Results
					TC-	TC+ BUT E. coli-	TC+ AND E. coli+				
3/5/2019	9227 Rancho Dr. Sample Site # 6	( + / - )	3/6/2019	9227 Rancho Dr.	X			4/2/2019	Well 4D 3410008-015	( + / - )	( + / - )
			3/6/2019	9234 Rancho Dr.	X					( + / - )	( + / - )
			3/6/2019	9223 Rancho Dr.	X					( + / - )	( + / - )
				4						( + / - )	( + / - )
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		
		( + / - )	1						( + / - )	( + / - )	
	2							( + / - )	( + / - )		
	3							( + / - )	( + / - )		
	4							( + / - )	( + / - )		

Comments:

**NOTES AND INSTRUCTIONS:**

6. 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.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E. coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**
9. Also include any data for positive samples that occurred in the previous month that led to repeat monitoring occurring in the reporting month. Include location and indicate if the routine sample was either positive or negative for *E. coli* or Fecal Coliforms.
10. For systems serving ≤ 1000 persons that collect one or fewer routine samples per month, a triggered source water sample may be used as the fourth repeat, as noted in an approved plan, **if E. coli was the indicator used.** Show result in GW source column too.
11. The Department recommends using *E. coli* (see note 8). If enterococci or coliphage is used, note which in the comment box below.
12. Circle the appropriate result.



May 2, 2019

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

**MONTHLY SUMMARY OF THE HAMPTON GROUNDWATER TREATMENT PLANT**

Enclosed is the Monthly Summary of the Hampton GWTP report from Elk Grove Water District for April 2019.

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

STEVE SHAW  
WATER TREATMENT SUPERVISOR

# Elk Grove Water District

## Hampton GWTP Monthly Report

Month: April

3410008-013

PWS Number

Hampton Water Treatment Plant

Date	Hour Meter	Run Hours	Production Meter	Well Production	Backwash Meter	Backwash Return	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	9566.5		582779280		10367446	541975	4/2/2019	0.006	0.008	0.02	0.013	10	2	6.9	7.2
1	9566.5	0	582779280	0	10367446	541975	4/9/2019	0.01	0.026	0.013	0.004	8	2		
2	9566.5	0	582779280	0	10367446	541975	4/16/2019	0	0.019	0.025	0.009	6	2.5	CI2	0.82
3	9570.2	3.7	582987098	207818	10378341	541975	4/23/2019	0.018	0.019	0.016	0.008	3	<2	6.8	7.4
4	9570.2	0	582987098	0	10378341	541975	4/30/2019	0.029	0.034	0.04	0.003	3	<2	CI2	0.84
5	9571.9	1.7	583085570	98472	10378391	541975									
6	9571.9	0	583085570	0	10378391	541975									
7	9571.9	0	583085570	0	10378391	541975									
8	9571.9	0	583085570	0	10378391	541975									
9	9571.9	0	583085570	0	10378391	541975									
10	9574.6	2.7	583236416	150846	10389271	541975									
11	9574.6	0	583236416	0	10389271	541975									
12	9574.6	0	583236416	0	10389271	541975									
13	9574.6	0	583236416	0	10389271	541975									
14	9574.6	0	583236416	0	10389271	541975									
15	9574.6	0	583236416	0	10389271	541975									
16	9574.6	0	583236416	0	10389271	541975									
17	9575.5	0.9	583287579	51163	10389271	541975									
18	9575.5	0	583287579	0	10389271	541975									
19	9575.5	0	583287579	0	10389271	541975									
20	9575.5	0	583287579	0	10389271	541975									
21	9575.5	0	583287579	0	10389271	541975									
22	9575.5	0	583287579	0	10389271	541975									
23	9576.7	1.2	583359765	72186	10392950	541975									
24	9579.5	2.8	583521299	161534	10400200	541975									
25	9579.5	0	583521299	0	10400250	541975									
26	9579.5	0	583521299	0	10400250	541975									
27	9579.5	0	583521299	0	10400250	541975									
28	9579.5	0	583521299	0	10400250	541975									
29	9579.5	0	583521299	0	10400250	541975									
30	9579.5	0	583522423	1124	10400250	541975									
31															
<b>Total</b>		13		743,143	32,804	0									

Total Gallons Sodium Hypochlorite: 8.7 Gal  
Pounds per day 0.351 Lbs/Day  
Dosage (Milligrams Per Liter @ 12.5% Cl) 1.8 mg/L  
Total Gallons Ferric Chloride: 4.6 Gal  
Dosage (Milligrams Per Liter @ 38% FeCl) .65mg/L  
Total Gallons Sodium Hydroxide: 6 Gal  
Dosage (Gallons Per Hour @ 30% NaOH) 0.48 Gal/Hr  
Total Gallons Sulfuric Acid : 4.4 Gal  
Dose (Gallons Per Hour @ 93% H2SO4 ) 0.33 Gal/Hr

Total Run Hours 13 Hours  
Total Water Pumped 743,143 Gal  
Total Water Treated 743,143 Gal

Reporting Limits/Units  
Iron = 0.100 mg/L  
Manganese = 0.010 mg/L  
Arsenic = 1.0 ug/L  
Maximum Contaminant Levels (MCLs)  
Iron (Fe) = 0.300 mg/L (Secondary)  
Manganese (Mn) = 0.050 mg/L (Secondary)  
Arsenic (As) = 10 ug/L (Primary)

Prepared By: Steve Shaw Date: 5/2/2019



May 1, 2019

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

### **MONTHLY FLUORIDATION MONITORING REPORT**

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Enclosed is the Monthly Summary of the Fluoridation Monitoring from Elk Grove Water District for April 2019.

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 AREA 2

## DISTRIBUTION SYSTEM MONTHLY FLUORIDATION MONITORING REPORT April-19

Week Location of Sample Monitoring Results (mg/L)

Week	Location of Sample	Date	Time	Results
1	Hollow Springs	4/2/2019	8:43 AM	0.73
1	Al Gates Park	4/2/2019	8:58 AM	0.7
1	Oreo Ranch	4/2/2019	9:21 AM	0.64
1	Blackman	4/2/2019	12:01 PM	0.76
2	Hollow Springs	4/9/2019	9:02 AM	0.7
2	Al Gates Park	4/9/2019	9:16 AM	0.66
2	Oreo Ranch	4/9/2019	9:36 AM	0.61
2	Blackman	4/9/2019	11:41 AM	0.67
3	Hollow Springs	4/16/2019	9:13 AM	0.61
3	Al Gates Park	4/16/2019	9:26 AM	0.62
3	Oreo Ranch	4/16/2019	9:38 AM	0.66
3	Blackman	4/16/2019	11:41 AM	0.66
4	Hollow Springs	4/23/2019	10:13 AM	0.56
4	Al Gates Park	4/23/2019	10:28 AM	0.62
4	Oreo Ranch	4/23/2019	10:40 AM	0.64
4	Blackman	4/23/2019	1:04 PM	0.67
5	Hollow Springs	4/30/2019	9:02 AM	0.61
5	Al Gates Park	4/30/2019	9:17 AM	0.58
5	Oreo Ranch	4/30/2019	9:30 AM	0.67
5	Blackman	4/30/2019	11:50 AM	0.71

Monthly fluoride split sample results:

Date: 4/2/2019

Water System Results: 0.64 mg/L

Approved Lab: 0.72 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		
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer. 1ST 6-MO.	Refer. 2ND 6-MO.	Refer.	2019		
Well 14D Railroad	Initials	WQ	WQ	WQ	WQ											Sect: 7.1			
	Date	1/8/19	2/11/19	3/1/19	4/4/19											Sect: 7.2			
	W.O.#	16871	16988	17101	17254											Sect: 7.3			
Well 4D Webb	Initials	WQ	WQ	WQ	WQ											Sect: 8.1			
	Date	1/15/19	2/1/19	3/6/19	4/2/19											Sect: 8.2			
	W.O.#	16873	16989	17102	17255											Sect: 8.3			
Well 11D Pino	Initials	WQ	WQ	WQ	WQ											Sect: 9.1			
	Date	1/8/19	2/7/19	3/11/19	4/3/19											Sect: 9.2			
	W.O.#	16874	16990	17103	17256											Sect: 9.3			
Well 1D School	Initials	WQ	WQ	WQ	WQ											Sect: 13.1			
	Date	1/15/19	2/15/19	3/6/19	4/1/19											Sect: 13.2			
	W.O.#	16875	16991	17104	17257											Sect: 13.3			
Well 3 Mar-Val	Initials	WQ	WQ	AH	AH											Sect: 12.1			
	Date	1/14/19	2/5/19													Sect: 12.2			
	W.O.#	16876	16992	17105	17258											Sect: 12.4			
Well 8 Williamson	Initials	AH	WQ	AH	AH											Sect: 11.1			
	Date	1/7/19	2/15/19	3/18/19	4/3/19											Sect: 11.4			
	W.O.#	16877	16993	17106	17259											Sect: TBD			
Well 9 Polhemus	Initials	WQ	WQ	WQ	WQ											Sect: TBD			
	Date	1/10/19	2/13/19	3/5/19	4/2/19											Sect: TBD			
	W.O.#	16878	16994	17107	17260											Sect: TBD			
Well 13 Hampton	Initials	AH	WQ	WQ	AH											Sect: TBD			
	Date	1/9/19	2/19/19	3/5/19	4/4/19											Sect: TBD			
	W.O.#	16879	16995	17108	17261											Sect: TBD			

=Well Offline



Year: 2019

# 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.	1st	2nd	3rd	4th	Refer.	2019	
Clor-Tec System	Section: 4.2	WQ 1/17/19 16880	WQ 2/4/19 17000	WQ 3/1/19 17109	WQ 4/1/19 17241									Section: 4.3	AH/WQ 3/13/19 17113					Section: 4.4						
Filter System	Section: 5.1	WQ 1/16/19 16881	WQ 2/4/19 17001	WQ/AH 3/4/19 17110	WQ 4/9/19 17242									Section: 5.2	AH/WQ 4/11/19 17246					Section: 5.3						
Backwash System	Section: 2.1	WQ 1/18/19 16882	WQ 2/11/19 17002	WQ 3/4/19 17111	WQ 4/8/19 17243									Section: 2.2	AH 4/11/19 17247					Section: 2.3						
Booster Pumps	Section: 3.1	WQ 1/22/19 16883	WQ 2/6/19 17003	WQ 3/26/19 17112	WQ 4/8/19 17244									Section: 3.1					Section: 3.2							
LAB														Section: 1.1	AH 3/29/19 17114					Section: 1.2						
Clear Wells																				Section: 2.4						
MCC																				Section: 1.2						

Year: 2019

# 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	1st	2nd	3rd	4th	Refer.	1ST 6- MO.	2ND 6- MO.	Refer.	2019	
Chemical Systems	TBD	AH 1/9/19 16884	AH 2/15/19 16985	AH 3/13/19 17091	AH 4/4/19 17248									TBD	AH 3/13/19 17119						TBD		
Filter System	TBD	AH 1/9/19 16885	AH 2/15/19 16986	AH 3/13/19 17092	AH 4/4/19 17249									TBD	AH 4/11/19 17253						TBD		
Backwash System	TBD	AH 1/9/19 16886	AH 2/15/19 16987	AH 3/13/19 17093	AH 4/4/19 17250									TBD							TBD		
LAB														TBD	AH 3/13/19 17118						TBD		
MCC														TBD							TBD		

# 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.	2019
Railroad	Initials	WQ	WQ	WQ	WQ									Section:	TBD
	Date	1/16/19	2/6/19	3/26/19	4/4/19										
	W.O. #	16887	16996	17094	17262										
Webb	Initials	WQ	WQ	WQ	WQ									Section:	TBD
	Date	1/15/19	2/28/19	3/18/19	4/2/19										
	W.O. #	16888	16997	17098	17263										
Dino	Initials	WQ	WQ	WQ	WQ									Section:	TBD
	Date	1/8/19	2/7/19	3/11/19	4/3/19										
	W.O. #	16889	16998	17099	17264										
Admin.	Initials	AH	WQ	AH	AH									Section:	TBD
	Date	1/20/19	2/28/19	3/18/19	4/7/19										
	W.O. #	16890	16999	17100	17265										
		= Load Test													

Elk Grove Water District  
Backflow Prevention Program 2019

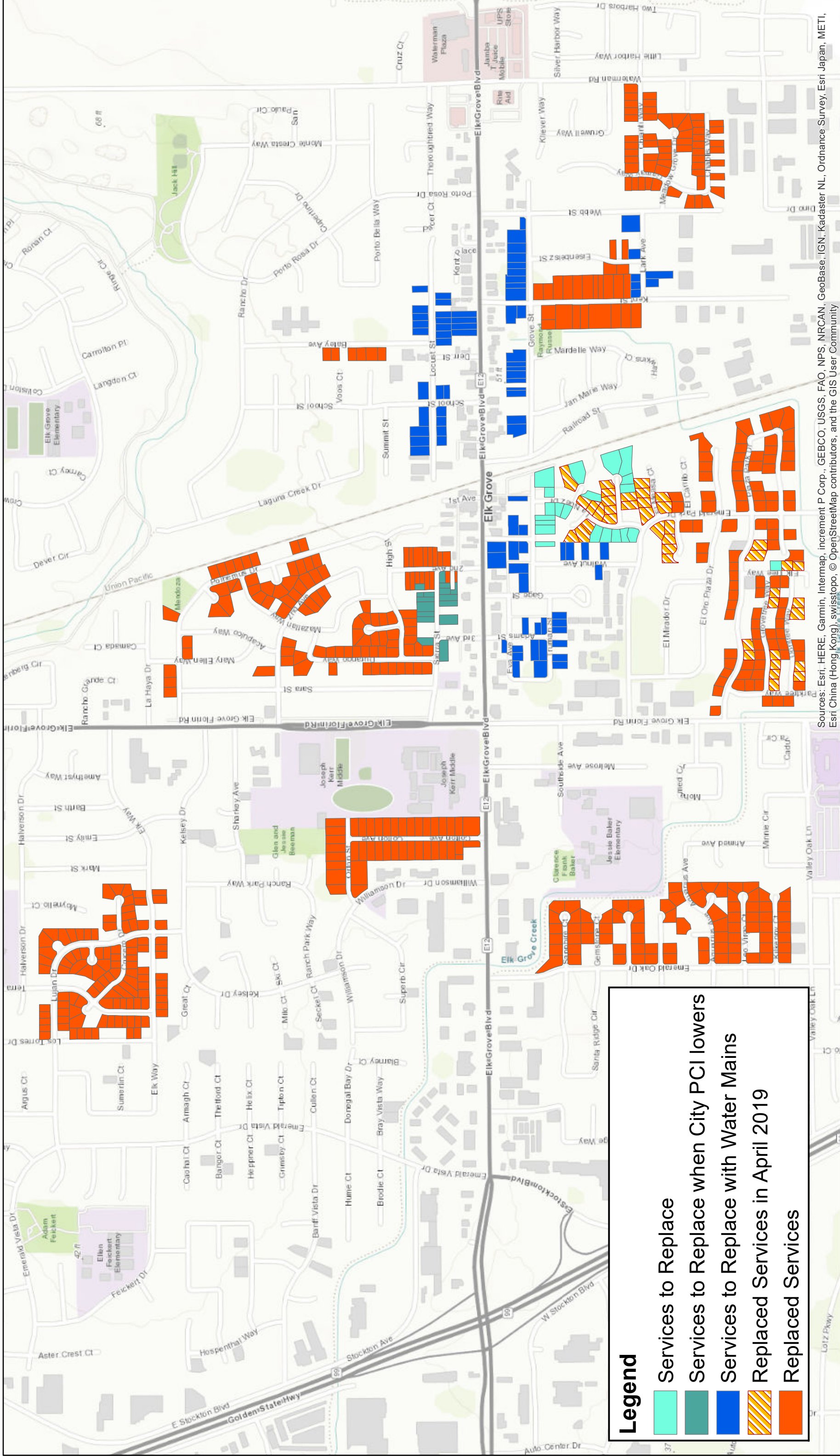
Backflow Device Reports	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>CURRENT</b>												
Notices Issued	48	40	78	15								
Assemblies Tested	41	15	38	14								
Passed Initial Test	41	11	30	14								
Failed Initial Test	0	4	8	0								
Failed Devices Retested----Passed		4	8									
Investigations or Address Change	0	0	13	0								
Inactivated Devices	2	0	0	0								
Schedule Code Changed	0	0	0	0								
Devices Turned Off	0	0	0	0								
2nd Notices Issued	5	25	26	1								

Monthly Outstanding Delinquents	0	0	0	2	1	0	0	0	0	0	0	0
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<b>Total Outstanding Delinquents</b>	<b>3</b>
--------------------------------------	----------

Elk Grove Water District  
 Safety Meetings/Training  
 April 2019

Date	Topic	Attendees	Hosted By
4/8/2019	Rethinking Utility Security	Alan Aragon, David Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Steve Shaw, John Vance, Marcell Wilson, Vue Xiong	Sarah Jones
4/22/2019	Tool Safety	Alan Aragon, Jose Carrillo, David Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Steve Shaw, Brandon Wagner, Marcell Wilson, Vue Xiong	Alan Aragon
4/25/2019	Injury Illness Prevention Program	Alan Aragon, Aurelia Camilo, David Frederick, Aaron Hewitt, Sean Hinton, Bruce Kamilos, Patrick Lee, Denise Maxwell, Justin Mello, Sal Mendoza, Michael Montiel, Donella Murrillo, Chris Phillips, Stefani Phillips, Wilfredo Quintero, Cindy Robertson, William Sadler, Steve Shaw, John Vance, Brandon Wagner, Tonia Williams, Marcell Wilson, Vue Xiong	Sarah Jones



**Legend**

- Services to Replace
- Services to Replace with Water Mains
- Services to Replace with Water Mains
- Replaced Services in April 2019
- Replaced Services

Services to Replace: 21

Services Replaced in April 2019: 41

Total Services Replaced: 536

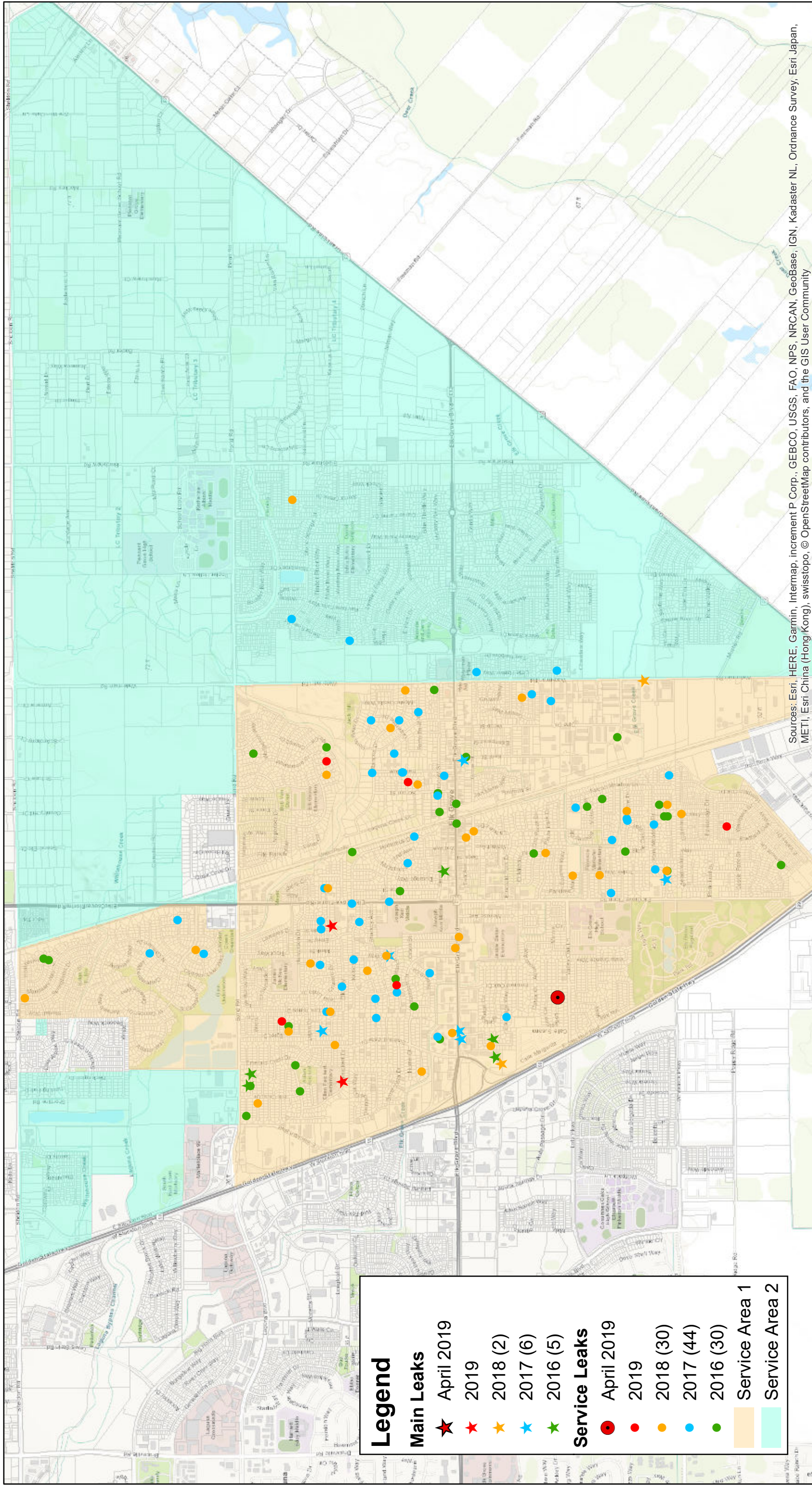


**Elk Grove Water District  
Service Line Replacement**



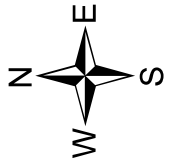
Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System: NAD 83 State Plane, California II, FIPS 0420
Source: City of Elk Grove, EGWD and Sacramento County GIS databases
Created by: Travis Franklin
Date: May 2, 2019



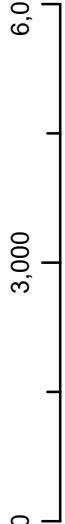
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Elk Grove Water District
Main & Service Line Leaks
Created by: Travis Franklin
Date: May 2, 2019



## Elk Grove Water District

### Main and Service Line Leaks Map



April 2019	
Main Line Leaks: 0	YTD: 2
Service Line Leaks: 1	YTD: 6
Total Leaks: 1	YTD: 8

### Legend

**Main Leaks**

- ★ April 2019
- ★ 2019
- ★ 2018 (2)
- ★ 2017 (6)
- ★ 2016 (5)

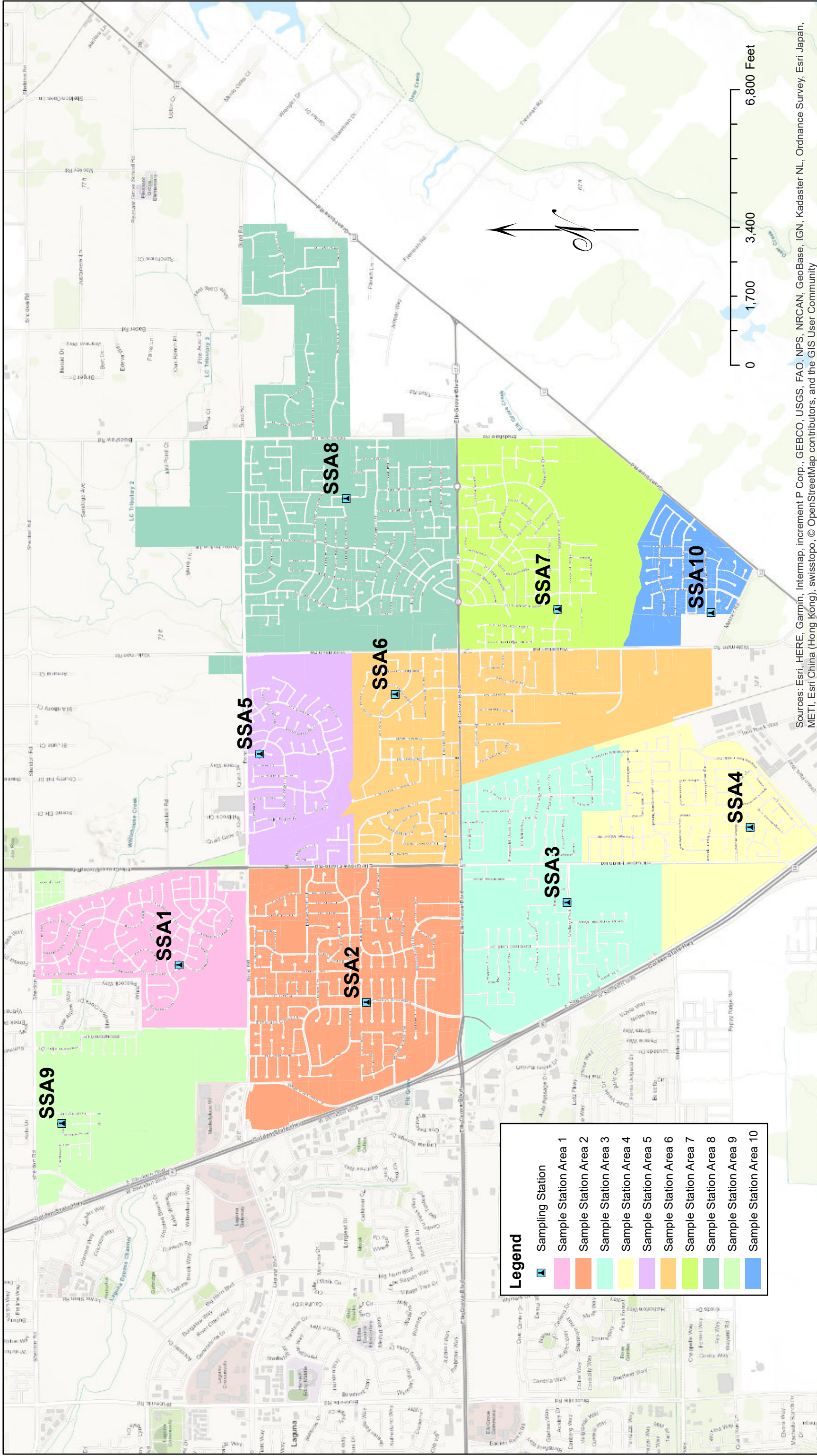
**Service Leaks**

- April 2019
- 2019
- 2018 (30)
- 2017 (44)
- 2016 (30)












■ Service Area 1

■ Service Area 2





**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

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Modified by: Travis Franklin
May 2, 2019

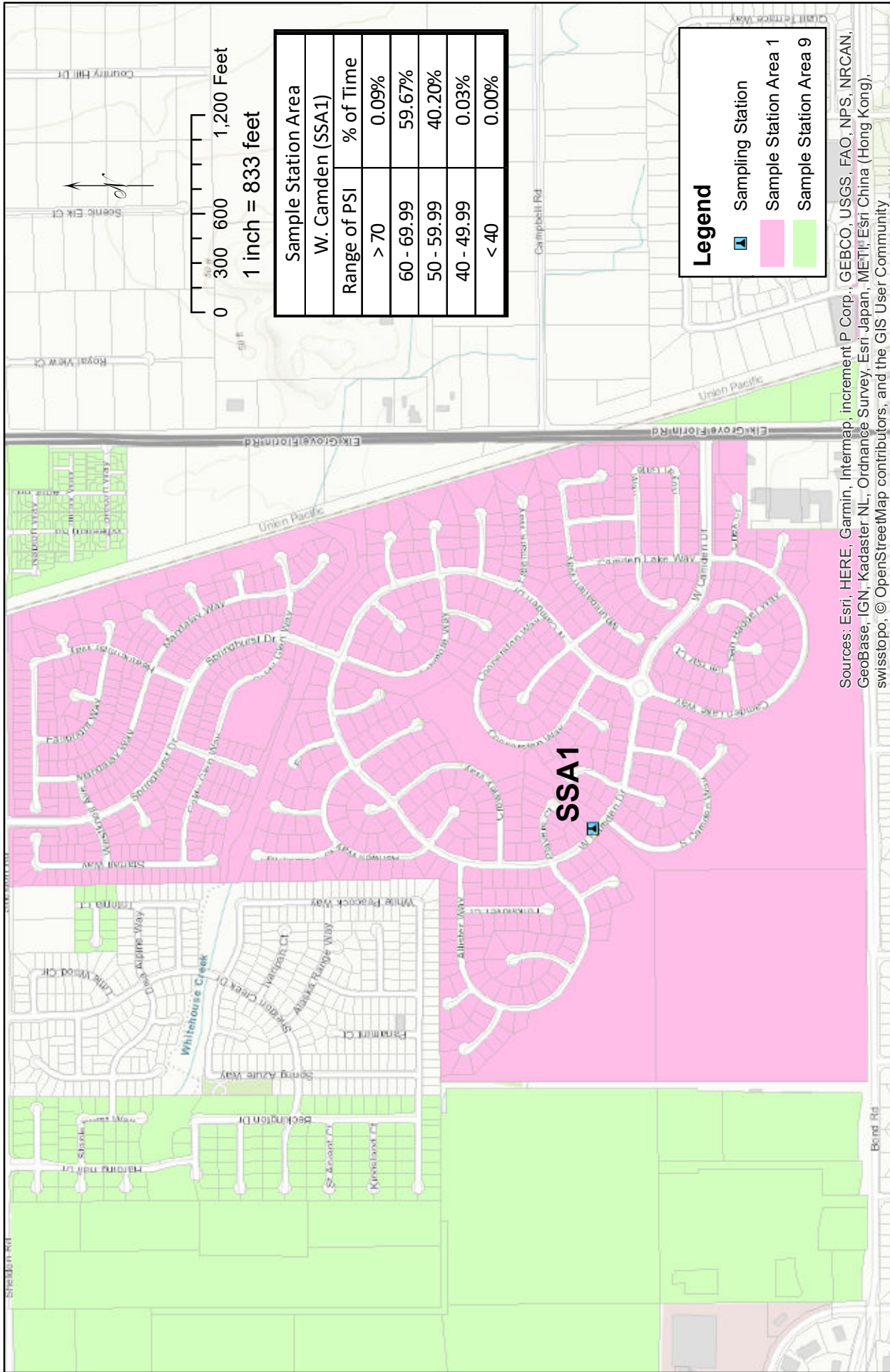
# Elk Grove Water District

## Sample Station Areas

**Sample Stations: 10**





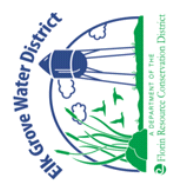


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source:EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

## Elk Grove Water District

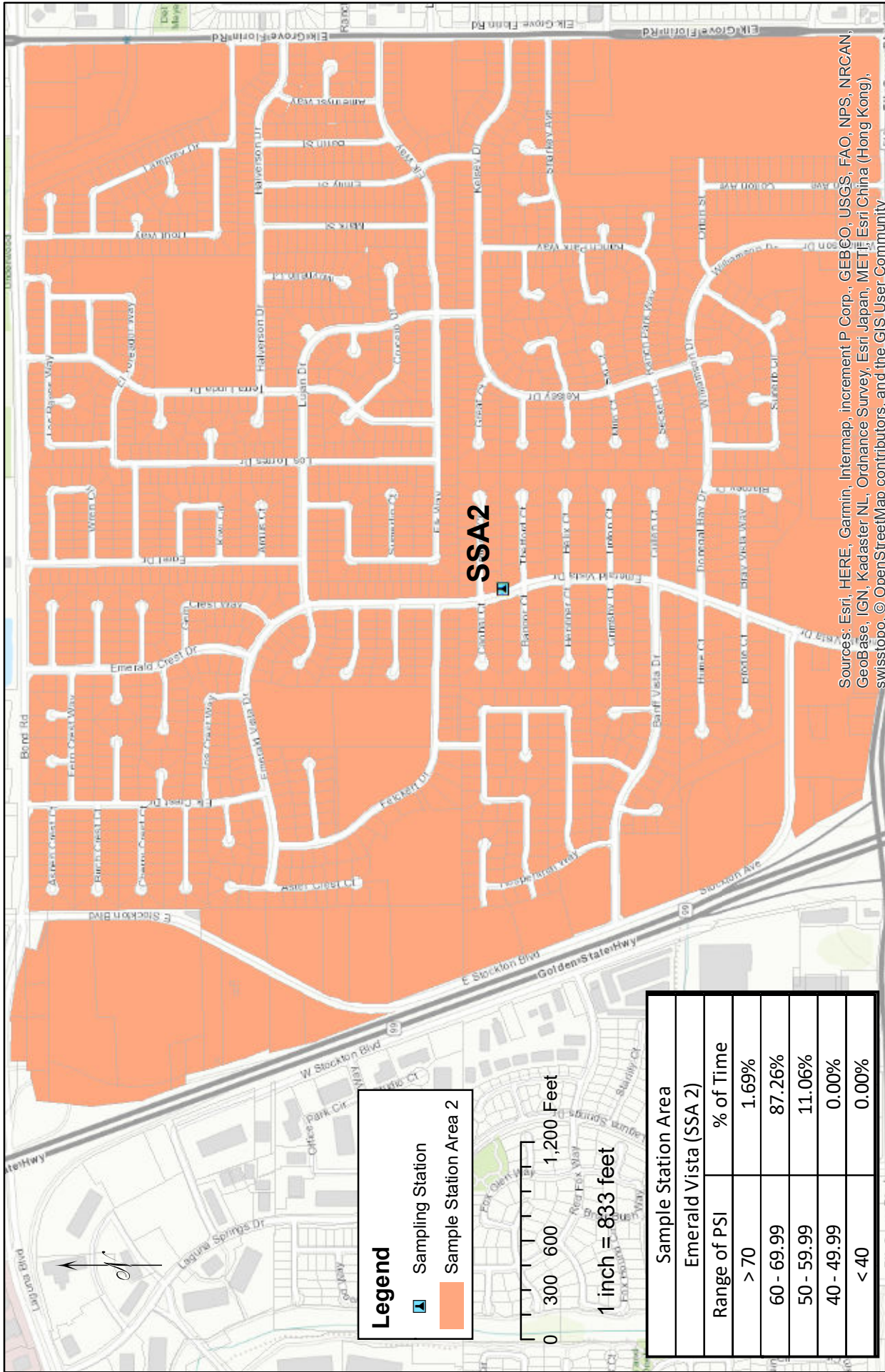
### System Pressure Monitoring



**Sample Station #1**

Note: Sample Station takes a reading every 5 minutes.

April 2019



**Legend**

- Sampling Station
- Sample Station Area 2

0 300 600 1,200 Feet  
 1 inch = 833 feet

Sample Station Area	% of Time
Emerald Vista (SSA 2)	
Range of PSI > 70	1.69%
60 - 69.99	87.26%
50 - 59.99	11.06%
40 - 49.99	0.00%
< 40	0.00%

**Sample Station #2**

Note: Sample Station takes a reading every 5 minutes.

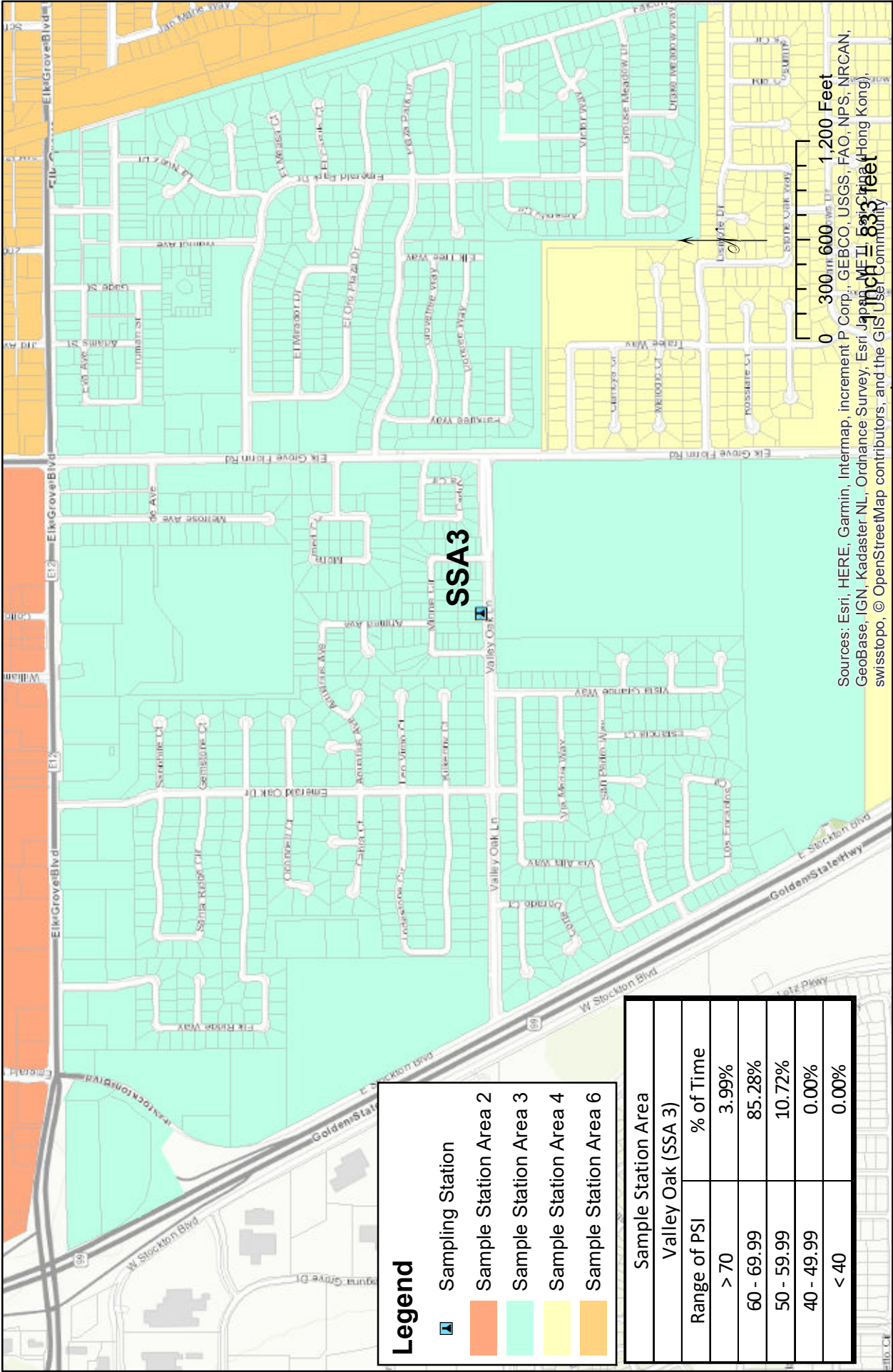
April 2019



**Elk Grove Water District  
 System Pressure Monitoring**

Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community



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Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

## Elk Grove Water District

### System Pressure Monitoring



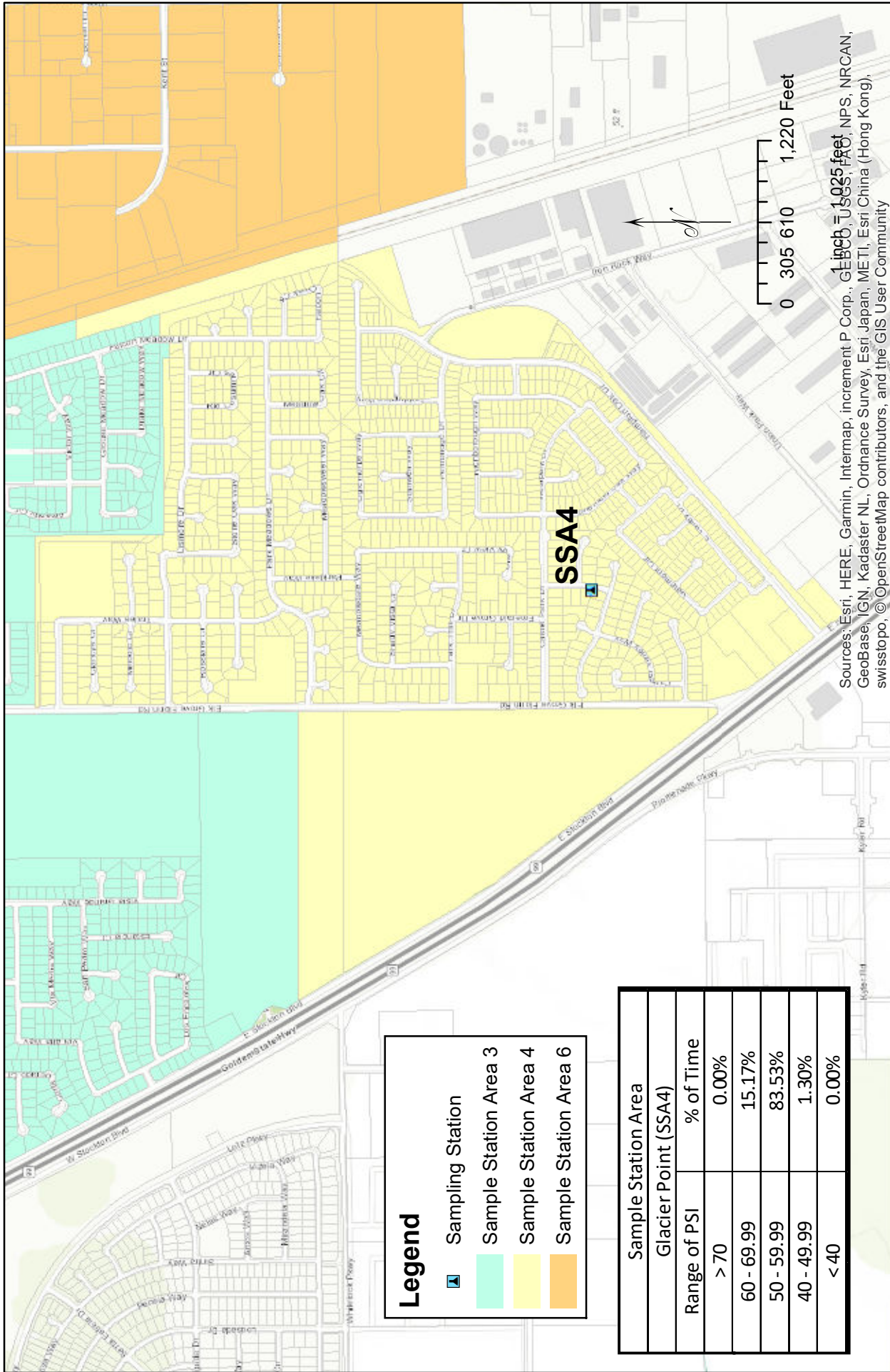
Legend	
	Sampling Station
	Sample Station Area 2
	Sample Station Area 3
	Sample Station Area 4
	Sample Station Area 6

Sample Station Area	% of Time
Valley Oak (SSA 3)	
Range of PSI	
> 70	3.99%
60 - 69.99	85.28%
50 - 59.99	10.72%
40 - 49.99	0.00%
< 40	0.00%

### Sample Station #3

Note: Sample Station takes a reading every 5 minutes.

April 2019



Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

## Elk Grove Water District

### System Pressure Monitoring



**Legend**

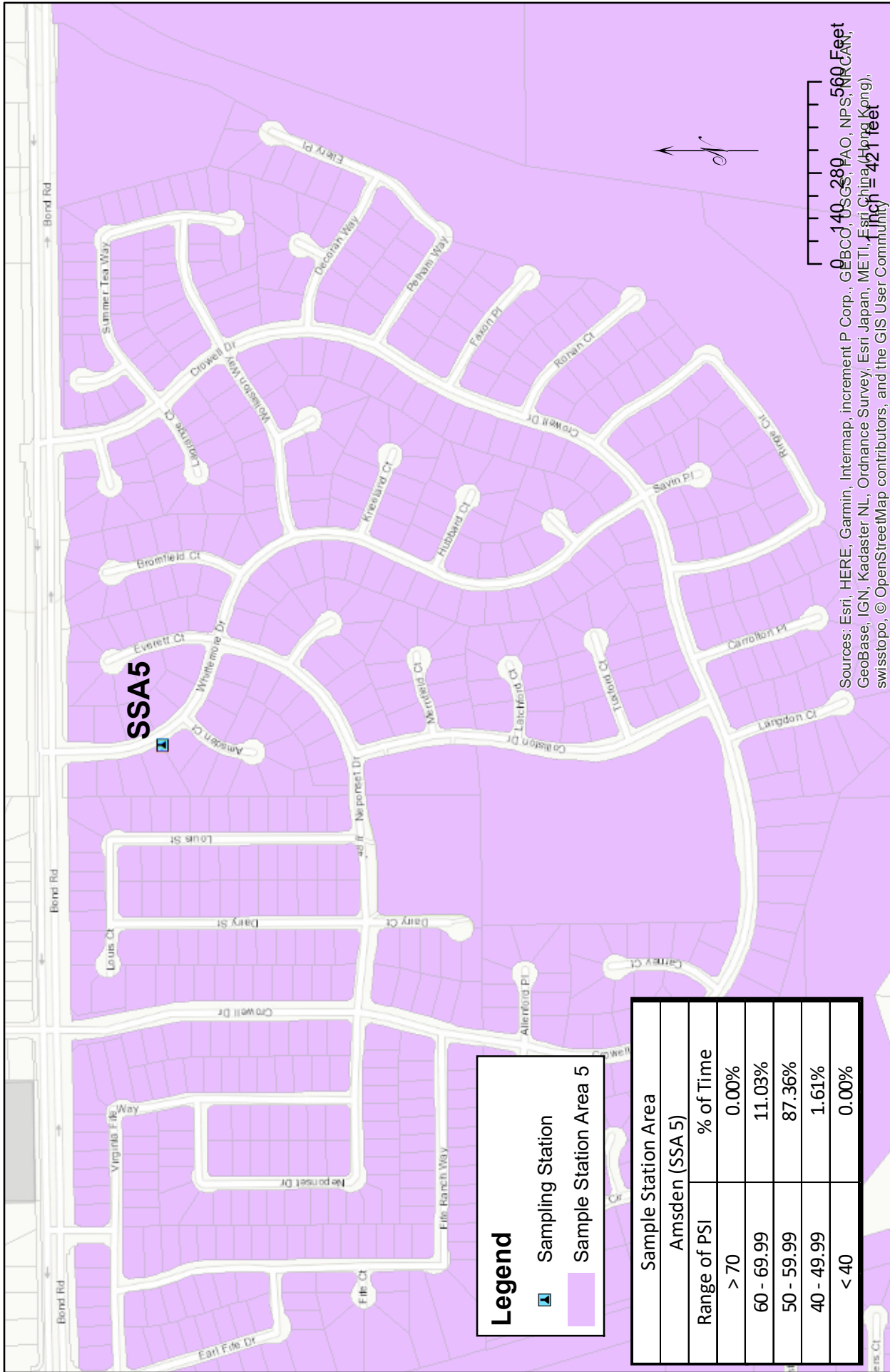
- Sampling Station
- Sample Station Area 3
- Sample Station Area 4
- Sample Station Area 6

Sample Station Area	Glacier Point (SSA4)	Range of PSI	% of Time
> 70	0.00%	60 - 69.99	15.17%
60 - 69.99	15.17%	50 - 59.99	83.53%
50 - 59.99	83.53%	40 - 49.99	1.30%
40 - 49.99	1.30%	< 40	0.00%
< 40	0.00%		

#### Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

April 2019



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, ~~560 Feet~~  
 GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong),  
 swisstopo, © OpenStreetMap contributors, and the GIS User Community  
 140, 280, 421 feet

**Legend**

- Sampling Station
- Sample Station Area 5

Sample Station Area	
Amsden (SSA 5)	
Range of PSI	% of Time
> 70	0.00%
60 - 69.99	11.03%
50 - 59.99	87.36%
40 - 49.99	1.61%
< 40	0.00%



## Elk Grove Water District

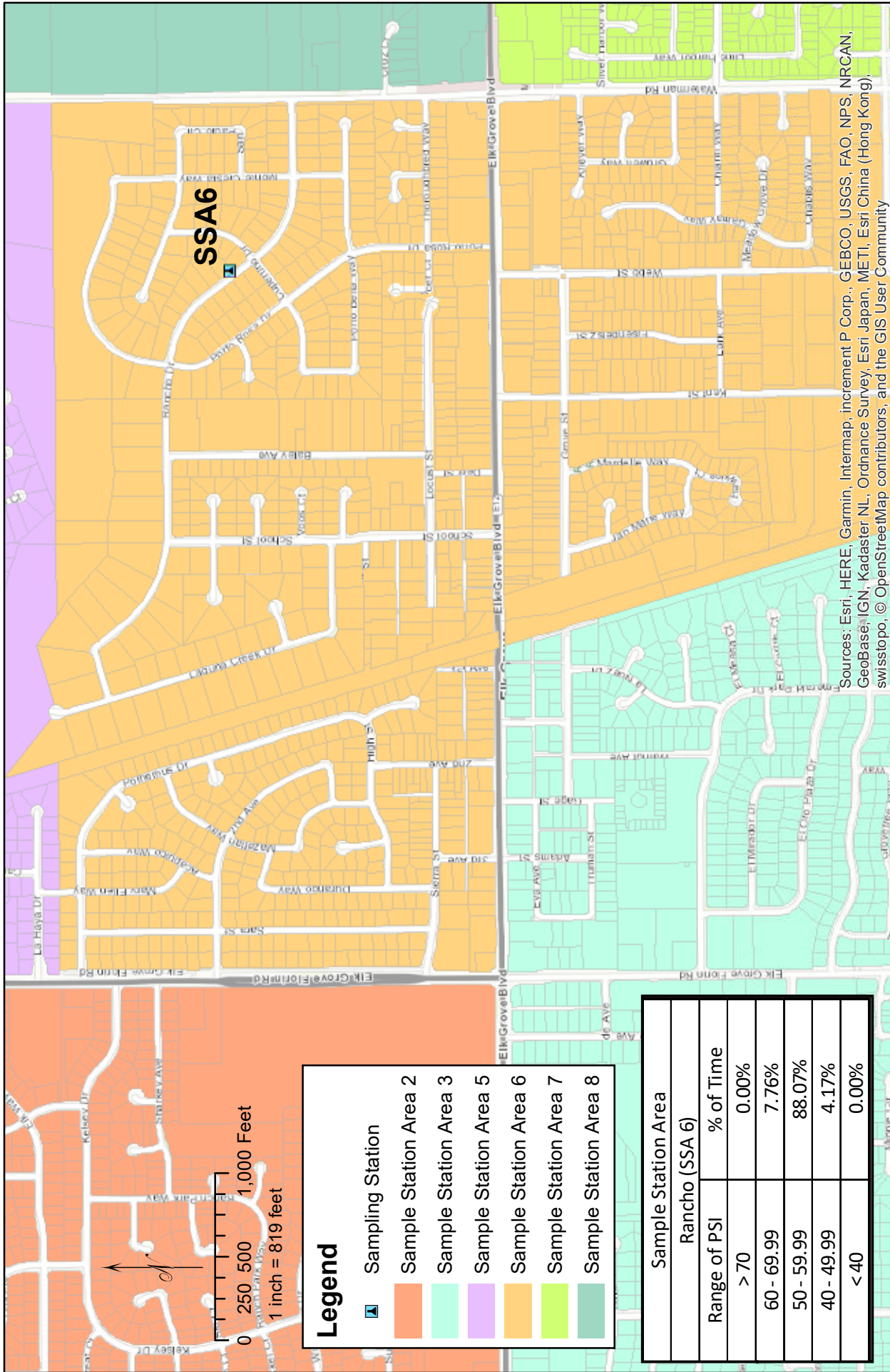
### System Pressure Monitoring

Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

**Sample Station #5**

Notes: Sample Station takes a reading every 5 minutes.

April 2019



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

**Legend**

- Sampling Station
- Sample Station Area 2
- Sample Station Area 3
- Sample Station Area 5
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 8

Sample Station Area	Range of PSI	% of Time
Rancho (SSA 6)	> 70	0.00%
	60 - 69.99	7.76%
	50 - 59.99	88.07%
	40 - 49.99	4.17%
	< 40	0.00%

**Sample Station #6**

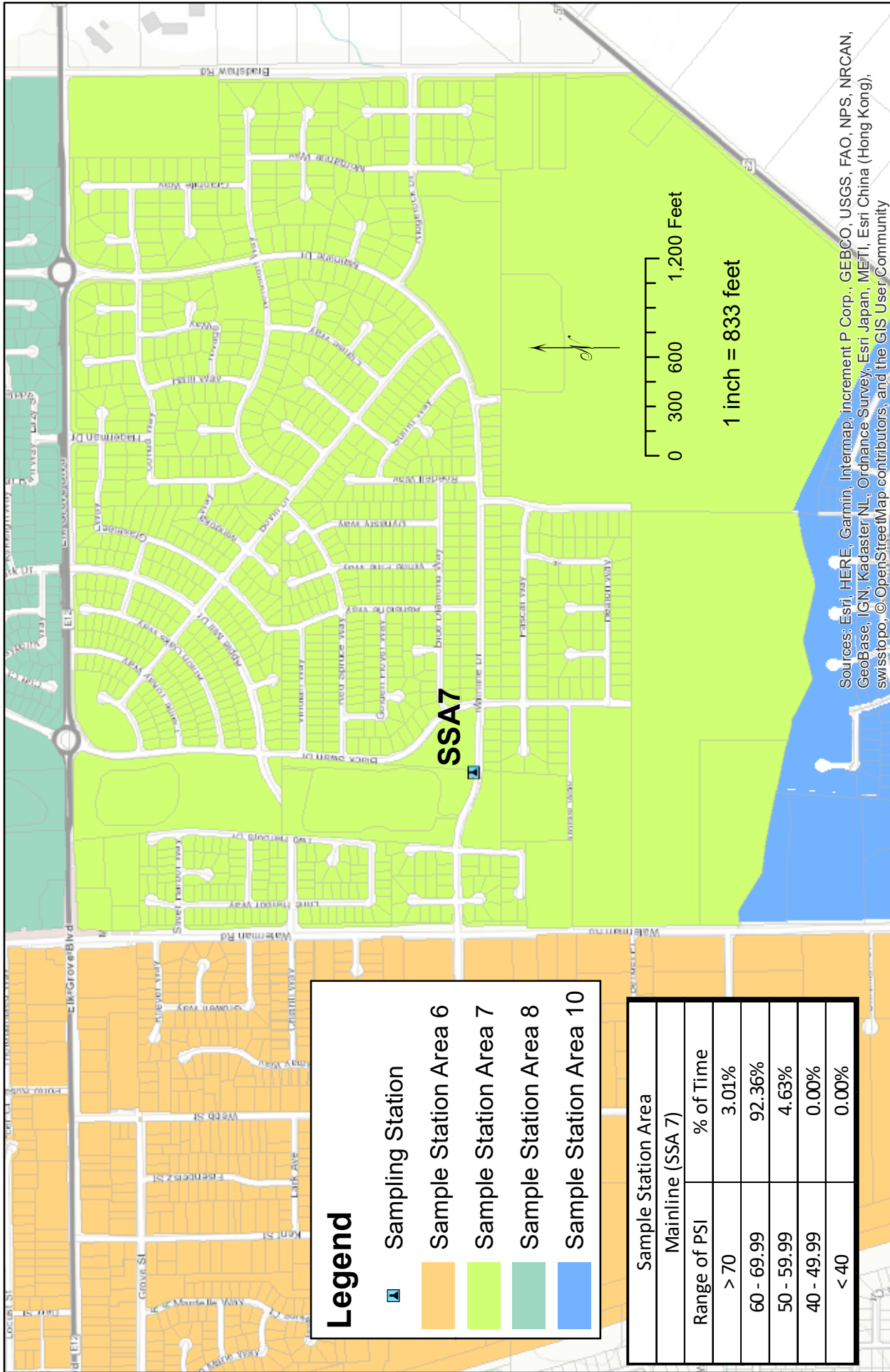
Note: Sample Station takes a reading every 5 minutes.

April 2019



**Elk Grove Water District**  
System Pressure Monitoring

Projected Coordinate System:  
NAD 83 State Plane CA II FIPS 0402  
Source: EGWD GIS database  
Created by: Travis Franklin  
May 2, 2019

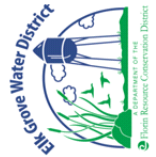


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

## Elk Grove Water District

### System Pressure Monitoring



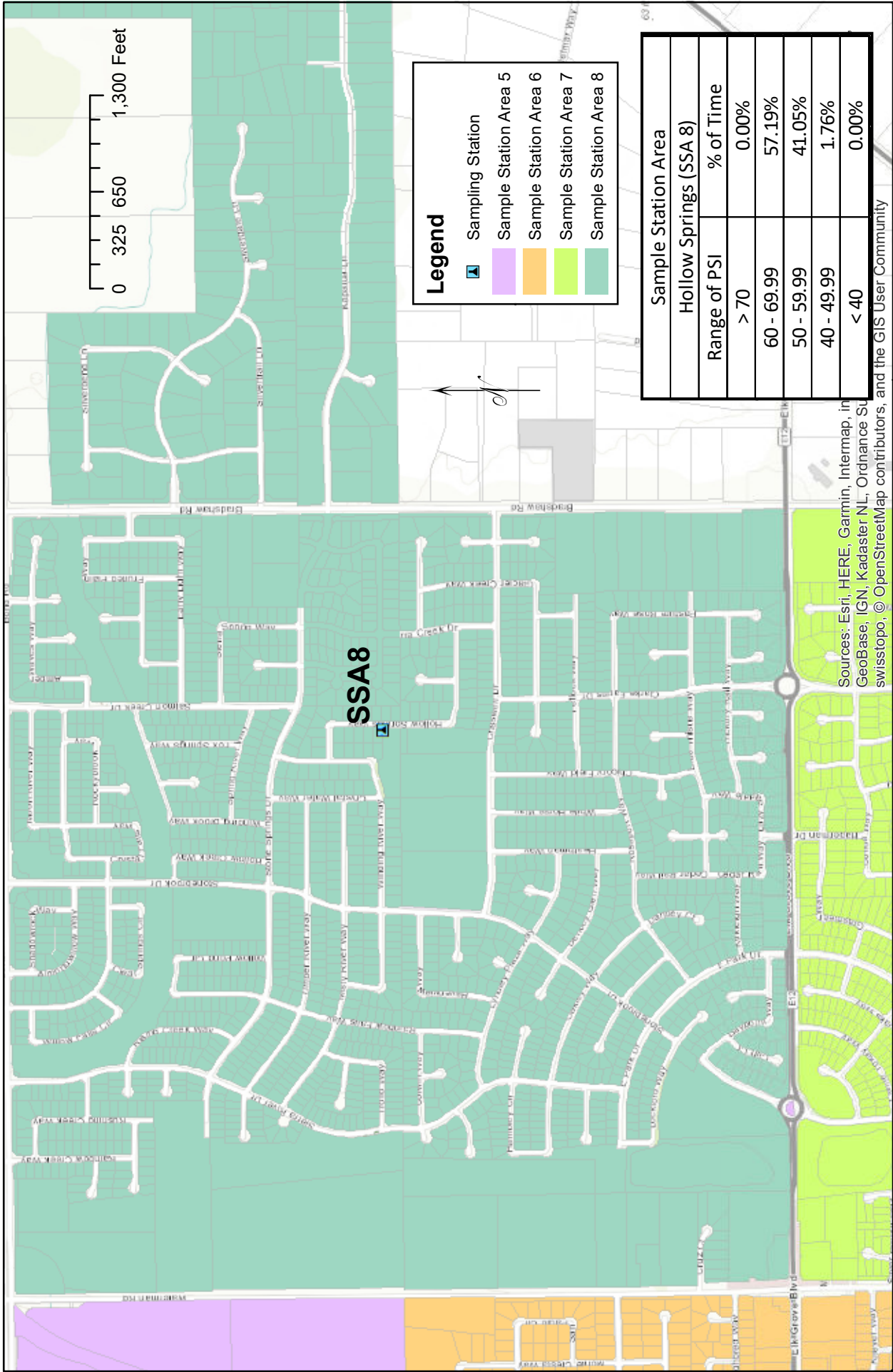
Legend	
	Sampling Station
	Sample Station Area 6
	Sample Station Area 7
	Sample Station Area 8
	Sample Station Area 10

Sample Station Area	
Mainline (SSA 7)	
Range of PSI	% of Time
> 70	3.01%
60 - 69.99	92.36%
50 - 59.99	4.63%
40 - 49.99	0.00%
< 40	0.00%

**Sample Station #7**

Note: Sample Station takes a reading every 5 minutes.

April 2019



**Legend**

- Sampling Station
- Sample Station Area 5
- Sample Station Area 6
- Sample Station Area 7
- Sample Station Area 8

Sample Station Area	Hollow Springs (SSA 8)
Range of PSI	% of Time
> 70	0.00%
60 - 69.99	57.19%
50 - 59.99	41.05%
40 - 49.99	1.76%
< 40	0.00%

Sources: Esri, HERE, Garmin, Intermap, in GeoBase, IGN, Kadaster NL, Ordnance Survey, swisstopo, © OpenStreetMap contributors, and the GIS User Community

Projected Coordinate System:  
 NAD 83 State Plane CA II FIPS 0402  
 Source: EGWD GIS database  
 Created by: Travis Franklin  
 May 2, 2019

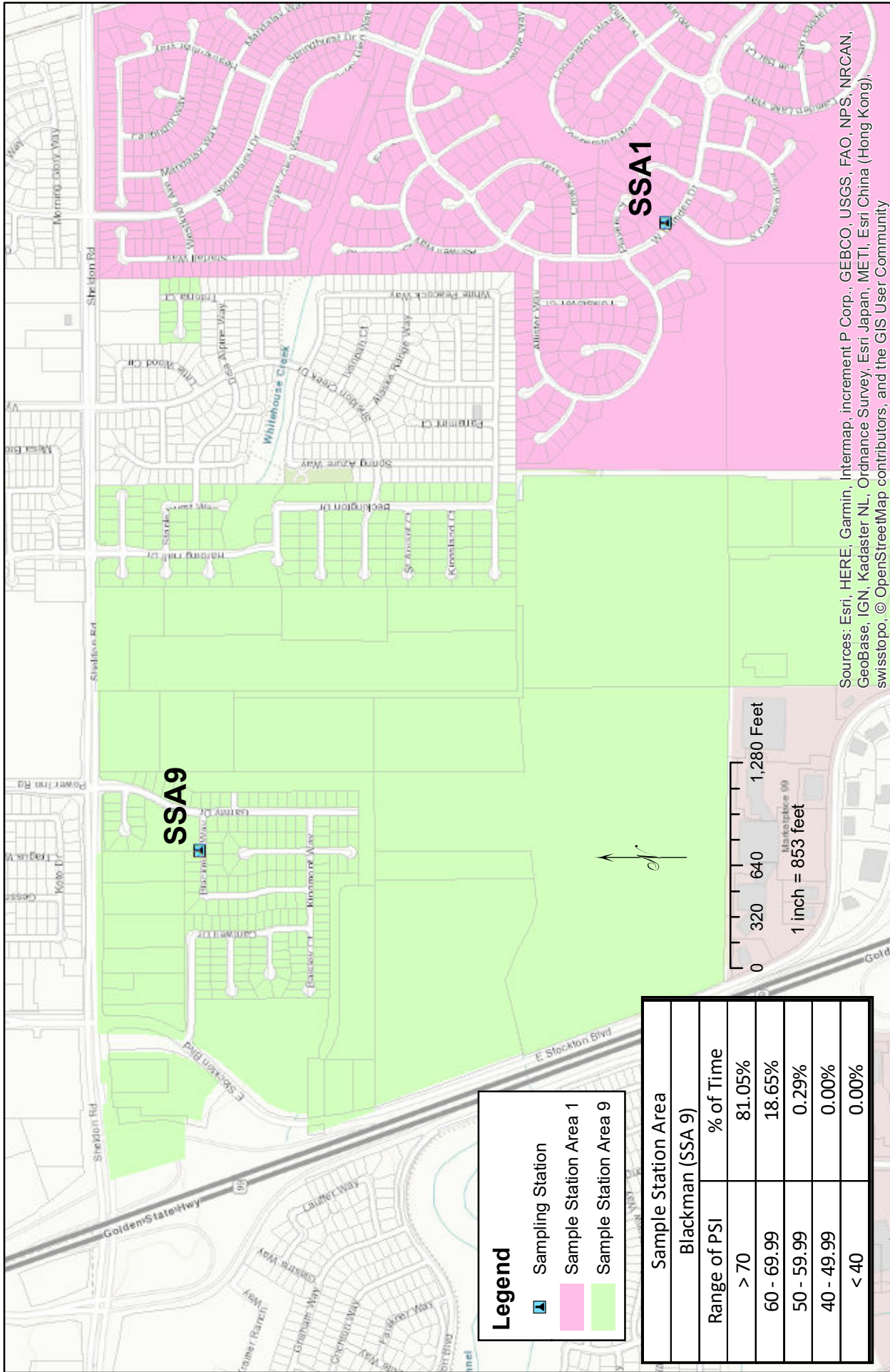
## Elk Grove Water District

### System Pressure Monitoring



**Sample Station #8**  
 Note: Sample Station takes a reading every 5 minutes.  
 April 2019

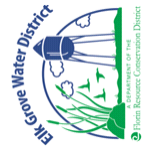




Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

**Projected coordinate system:**  
 NAD 83 State Plane CA II FIPS 0402  
**Source:** EGWD GIS database  
**Created by:** Travis Franklin  
 May 2, 2019

**Elk Grove Water District**  
 System Pressure Monitoring



**Legend**

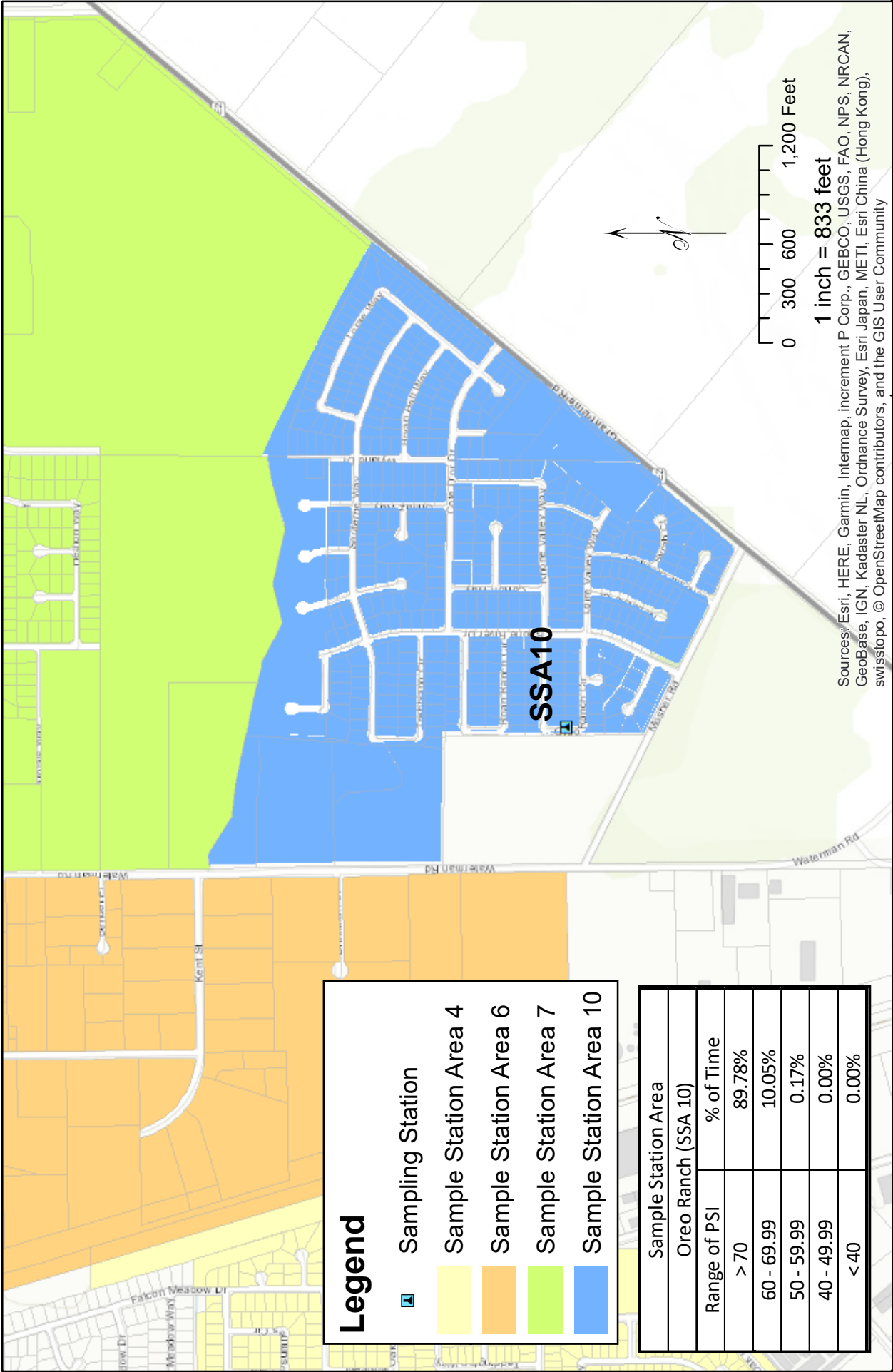
- Sampling Station
- Sample Station Area 1
- Sample Station Area 9

Sample Station Area	Blackman (SSA 9)	Range of PSI	% of Time
		> 70	81.05%
		60 - 69.99	18.65%
		50 - 59.99	0.29%
		40 - 49.99	0.00%
		< 40	0.00%




**Sample Station #9**

**Note:** Sample Station takes a reading every 5 minutes.

April 2018



**Legend**

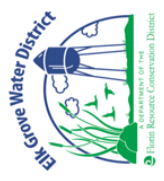
-  Sampling Station
-  Sample Station Area 4
-  Sample Station Area 6
-  Sample Station Area 7
-  Sample Station Area 10

Sample Station Area	
Oreo Ranch (SSA 10)	
Range of PSI	% of Time
> 70	89.78%
60 - 69.99	10.05%
50 - 59.99	0.17%
40 - 49.99	0.00%
< 40	0.00%

**Sample Station #10**

Note: Sample Station takes a reading every 5 minutes.

April 2019



**Elk Grove Water District**  
System Pressure Monitoring

Projected Coordinate System:  
NAD 83 State Plane CA II FIPS 0402

Source: EGWD GIS database  
Created by: Travis Franklin  
May 2, 2019

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community



May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Bruce M. Kamilos, Assistant General Manager  
SUBJECT: **REGIONAL WATER AUTHORITY PROJECT AGREEMENTS**

**RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors authorize the General Manager to:

- 1) Execute a project agreement in an amount not-to-exceed \$18,000 with the Regional Water Authority for the Sacramento Regional Water Bank, Phase 1, and
- 2) Execute a project agreement in an amount not-to-exceed \$3,700 with the Regional Water Authority for an Aquifer Storage and Recovery Feasibility Study.

**SUMMARY**

The Regional Water Authority (RWA) has prepared two (2) separate project agreements; one (1) for the Sacramento Regional Water Bank (Water Bank), Phase 1, and one (1) for an Aquifer Storage and Recovery Feasibility Study. These projects are independent of each other. The approval of one (1) project agreement has no bearing on the other.

The Elk Grove Water District (EGWD) for the fiscal year (FY) 2018-19 has paid RWA the following contributions:

\$27,344	Annual Dues, includes contribution to Powerhouse Science Center Project
<u>\$14,143</u>	<u>Water Efficiency Program</u>
\$41,487	Current FY 2018-19 total

Approving both of the proposed project agreements would bring the FY 2018-19 total contributions to \$63,187. This amount exceeds the General Manager's authority which is set at \$50,000. Staff, therefore, is presenting these items to the Florin Resource Conservation District (FRCD) Board of Directors (Board) for their consideration.

## **REGIONAL WATER AUTHORITY PROJECT AGREEMENTS**

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Page 2

### **DISCUSSION**

#### **Background**

The EGWD has been a long-standing member of RWA. Direct services received from RWA, in return for EGWD's membership, include legislative advocacy, best management practices for water efficiency and conservation, and grant funding for projects. RWA also serves importantly as a central hub for all regional water agencies to interact, and to approach water management from a regional and integrated manner. In addition to these services, RWA serves as a facilitator of technical studies on subjects relevant to water agencies.

#### **Present Situation**

RWA is advancing plans to develop the first phase of activities required to establish the Water Bank. The Water Bank will be a sustainable groundwater storage and recovery program intended to increase conjunctive use capacity and operations in the region to improve the long-term reliability of water supplies. The Water Bank will include an accounting system of storage and recovery with a monitoring program to ensure long-term groundwater basin sustainability. Phase 1 consists of work that is primarily associated with pre-feasibility activities. The Phase 2 scope of work and budget will be further developed during Phase 1 activities and will be focused on final feasibility determinations, including environmental analysis. Near the completion of Phase 1, the Participants will decide upon commencing with Phase 2. The completion of Phase 2 is expected to result in an operational Water Bank, with a target completion by January 2022. Phase 2 would be subject to approval of a separate project agreement.

EGWD is dependent upon groundwater supplies for its customers. Staff supports the establishment of a Water Bank and recommends that the Board support the project agreement for Phase 1 work. The project agreement for Phase 1 work is attached as (Attachment 1). EGWD's contribution for this work is not-to-exceed (NTE) \$18,000.

Separately, RWA is facilitating an Aquifer Storage and Recovery (ASR) Feasibility Study. This study will determine if direct recharge injection wells are an effective method of recharging the regional groundwater basin. Water agencies in the Sacramento region have been interested in use ASR for recharge, however there are unanswered questions about ASR's cost and effectiveness. The FRCD/EGWD also has a keen interest in participating in recharge projects that would benefit EGWD customers and ASR projects may offer opportunities in this regard. Staff, therefore, recommends that the Board support the ASR Feasibility Study to determine if ASR is a viable method for recharging

**REGIONAL WATER AUTHORITY PROJECT AGREEMENTS**

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Page 3

the region's groundwater aquifer. The project agreement for the ASR Feasibility Study is attached as (Attachment 2). EGWD's contribution for this study is NTE \$3,700.

**ENVIRONMENTAL CONSIDERATIONS**

There are no environmental considerations with either the Phase 1 work for the Water Bank, or the ASR Feasibility Study. Any environmental considerations related to the Water Bank will be examined during Phase 2 work.

**STRATEGIC PLAN CONFORMITY**

The recommendation made in this staff report conforms to FRCD/EGWD's Strategic Plan. The Strategic Plan identifies groundwater banking as an innovative way to store water for future use. The Strategic Plan directs FRCD/EGWD to initiate relationships between regional water purveyors to seek potential groundwater banking projects.

**FINANCIAL SUMMARY**

The financial impact of executing the project agreement for the Sacramento Regional Water Bank, Phase 1 is NTE \$18,000. The financial impact of executing the project agreement for the ASR Feasibility Study is NTE \$3,700.

Respectfully submitted,



BRUCE M. KAMILOS  
ASSISTANT GENERAL MANAGER

Attachments

**REGIONAL WATER AUTHORITY  
PROJECT AGREEMENT**

**SACRAMENTO REGIONAL WATER BANK, PHASE 1**

This Agreement is made and entered into as of the \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Regional Water Authority (“RWA”), a joint exercise of powers authority formed under California Government Code section 6500, and following, and the Members and Contracting Entities of RWA listed in Exhibit 1 to this Agreement, upon their execution of this Agreement (who are collectively referred to in this Agreement as “Participants”), to provide for carrying out a project or program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the Participants.

**RECITALS**

A. RWA is a joint powers authority, formed to serve and represent regional water supply interests and to assist its members in protecting and enhancing the reliability, availability, affordability and quality of water resources.

B. The joint powers agreement (“RWA JPA”) pursuant to which RWA was formed and operates, and as was amended on October 8, 2013, authorizes RWA to enter into a “Project or Program Agreement,” which is defined in the RWA JPA as an agreement between RWA and two or more of its Members or Contracting Entities to provide for carrying out a project or program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the parties to the Project or Program Agreement.

C. Article 21 of the RWA JPA states: “The Regional Authority’s projects are intended to facilitate and coordinate the development, design, construction, rehabilitation, acquisition or financing of water-related facilities (including sharing in the cost of federal, State or local projects) on behalf of Members and/or Contracting Entities. The Regional Authority may undertake the development, design, construction, rehabilitation, acquisition or funding of all or any portion of such projects on behalf of Members and/or Contracting Entities in the manner and to the extent authorized by such Members and/or Contracting Entities as provided in this Agreement, but shall not accomplish these functions, nor acquire or own water-related facilities in its own name.”

D. Article 22 of the RWA JPA states: “Prior to undertaking a project or program, the Members and/or Contracting Entities who elect to participate in a project or program shall enter into a Project or Program Agreement. Thereafter, all assets, benefits and obligations attributable to the project shall be assets, benefits and obligations of those Members and/or Contracting Entities that have entered into the Project or Program Agreement. Any debts, liabilities, obligations or indebtedness incurred by the Regional Authority in regard to a particular project or program, including startup costs advanced by the Regional Authority, shall be obligations of the participating Members and/or Contracting Entities, and shall not be the debts, liabilities,

obligations and indebtedness of those Members and/or Contracting Entities who have not executed the Project or Program Agreement.”

E. RWA and the Participants desire to carry out a project and share in the costs and benefits of the project, as a Project or Program Agreement as provided for in Articles 21 and 22 of the RWA JPA.

In consideration of the promises, terms, conditions and covenants contained herein, the parties to this Agreement hereby agree as follows:

- 1. Recitals Incorporated.** The foregoing recitals are hereby incorporated by reference.
- 2. Defined Terms.** Terms defined in the RWA JPA will have the same meaning in this Agreement.
- 3. Description of the Project.** The project (“Project”) that RWA and the Participants desire to carry out is the development of the first phase of activities required to establish the Sacramento Regional Water Bank (“Water Bank”). The Water Bank will be a sustainable groundwater storage and recovery program intended to increase conjunctive use capacity and operations in the region to improve the long-term reliability of water supplies. The Water Bank will include an accounting system of storage and recovery with a monitoring program to ensure long-term groundwater basin sustainability. Phase 1 consists of work that is primarily associated with pre-feasibility activities. The Phase 2 scope of work and budget will be further developed during Phase 1 activities and will be focused on final feasibility determinations, including environmental analysis. Near the completion of Phase 1, the Participants will decide upon commencing with Phase 2. The completion of Phase 2 is expected to result in an operational Water Bank, with a target completion by January 2022. Phase 2 would be subject to approval of a separate Project Agreement. A scope of work for Phase 1 is attached hereto as Exhibit 2 (“Project Description”).
- 4. Project Committee.** The Participants hereby form a Project Committee consisting of one representative (and alternates) designated by each Participant. The Project Committee will meet as necessary from time to time to administer and implement this Agreement on behalf of the Participants. A majority of the total members of the Project Committee will constitute a quorum. To proceed with a vote to take action, a quorum must be present at a meeting, with a majority of the number present required for an affirmative vote. Each member of the Project Committee will have one vote, either by its representative or an alternate. Where a vote to take action will occur, notice of at least seven days shall be provided to all Project Committee members so that they may have a reasonable opportunity to participate in the consideration of the action item.
- 5. Sharing in Project Costs and Benefits.** The total estimated cost to complete the Water Bank, Phase 1 Project is estimated at \$500,000. A not-to-exceed estimate of \$600,000 was established to account for the possibility that not all proposed agencies will participate. The not-to-exceed fee includes an additional 20 percent of the planned Phase 1 fee. Other than to fund the

shortage of the planned Phase 1 fee, the not-to-exceed fee shall not be assessed or used for any other purpose, including as a contingency for unanticipated expenses, without prior approval of the Project Committee. The assessments and not-to exceed budgets for each Participant are further described and attached hereto as Exhibit 3 (“Financing Plan”). Each of the Participants will make one or more payments to RWA for completion of the Project. Participants shall have full access to the work products of the Project.

At the conclusion of the Project, the Project Committee will take action on the dispensation of any remaining funds, which may include designating funds to the Regional Water Bank, Phase 2 effort. If the Project Committee elects to return the surplus funds to the Participants, RWA will pay back such funds to the Participants on a pro rata basis reflecting the amount of the payments made by each of the Participants. In accordance with the provisions of Articles 21 and 22 of the RWA JPA, any debts, liabilities, obligations or indebtedness incurred by RWA in regard to the Project will be the obligations of the Participants, and will not be the debts, liabilities, obligations and indebtedness of those Members and/or Contracting Entities who have not executed this Agreement.

**6. Role of RWA.** The RWA will (a) ensure that the interests of Members and Contracting Entities of RWA who do not participate in this Project are not adversely affected in performing this Agreement, (b) provide information to the Participants on the status of implementation of the Project, (c) assist the Project Committee in carrying out its activities under this Agreement, d) secure consultant support services through a competitive selection process as identified in RWA Policy 300.2, where applicable; and e) manage consultant support services in completion of the Project.

**7. Authorization to Proceed with the Project.** The Project is authorized to proceed upon the commitment of \$250,000 from Project Participants to fund initial Project costs. Upon execution of this Agreement, the Participants agree to fund their portion of the Project costs in an amount and manner as described in Exhibit 3 (“Financing Plan”) to this Agreement.

**8. Term.** This Agreement will remain in effect for so long as any obligations under this Agreement and/or obligations from other sources of funding secured for completing the Project remain outstanding.

**9. Withdrawal.** A Participant may withdraw from this Agreement without requiring termination of this Agreement, effective upon ninety days’ notice to RWA and the other Participants, provided that, the withdrawing Participant will remain responsible for any indebtedness incurred by the Participant under this Agreement prior to the effective date of withdrawal. If any surplus funds remain after the withdrawing Participant has met all of its financial obligations under this Agreement, then such funds will be returned to the withdrawing Participant in proportion to the total contribution made by each Participant.

**10. Amendments.** This Agreement may be amended from time to time with the approval of all of the Participants and RWA.



**11. Privileges and Immunities.** All of the privileges and immunities from liability; exemptions from laws, ordinances and rules; and all pension, relief, disability, worker's compensation and other benefits that apply to the activity of officers, agents or employees of RWA or the Participants when performing their respective functions for those agencies will, to the extent permitted by law, apply to them to the same degree and extent while engaged in the performance of any of the functions and other duties under this Agreement. It is further understood and agreed by RWA and the Participants that, notwithstanding anything contained herein, the employees of RWA and of each Participant shall continue to be entirely and exclusively under the direction, supervision and control of the employing party.

**12. No Third Party Beneficiary.** RWA and the Participants understand and agree that this Agreement creates rights and obligations solely between RWA and the Participants and is not intended to benefit any other party. No provision of this Agreement shall in any way inure to the benefit of any third person so as to constitute any such third person as a third-party beneficiary of this Agreement or any of its items of conditions, or otherwise give rise to any cause of action in any person not a party hereto.

**13. Liabilities.** With respect to this Agreement, RWA and the Participants expressly agree that the debts, liabilities and obligations of RWA and of each Participant shall remain the debts, liabilities and obligations of that party alone and shall not be the debts, liabilities and obligations of any other party to this Agreement, except as may be otherwise set forth herein or in an amendment to this Agreement.

**14. Audits and Accounting.** All funds provided under this Agreement shall be separately accounted for and maintained, with books and records of such funding open to inspection by the Participants. Funding under this Agreement shall be subject to and consistent with the audit and accounting procedures set forth in Articles 27 and 28 of the RWA JPA.

**15. General Provisions.** Any notice to be given under this Agreement shall be made by: (a) depositing in any United States Post Office, postage prepaid, and shall be deemed received at the expiration of 72 hours after its deposit; (b) transmission by facsimile copy; (c) transmission by electronic mail; or (d) personal delivery. This Agreement shall be governed by the laws of the State of California. The contact information for each Participant with respect to this section of the Agreement is set forth in Exhibit 4 ("Notice Information"). This Agreement may be executed by the parties in counterpart, each of which when executed and delivered shall be an original and all of which together will constitute one and the same document.

**16. Signatories' Authority.** The signatories to this Agreement represent that they have authority to execute this Agreement and to bind the Participant on whose behalf they execute it.

The foregoing Sacramento Regional Water Bank, Phase 1 Project Agreement is hereby agreed to by RWA and the Participants.

Dated: \_\_\_\_\_, 2019

\_\_\_\_\_, 2019

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Name

Regional Water Authority

\_\_\_\_\_  
Agency

**List of Agreement Exhibits**

Exhibit 1 – Project Participants

Exhibit 2 – Project Description

Exhibit 3 – Financing Plan

Exhibit 4 – Notice Information

**EXHIBIT 1**

**PROJECT PARTICIPANTS**

**REGIONAL WATER AUTHORITY**

**SACRAMENTO REGIONAL WATER BANK, PHASE 1 PROJECT**

**Agency (Proposed)**

California American Water  
Carmichael Water District  
Citrus Heights Water District  
City of Folsom  
City of Lincoln  
City of Roseville  
City of Sacramento  
Del Paso Manor Water District  
El Dorado County Water Agency  
El Dorado Irrigation District  
Elk Grove Water District  
Fair Oaks Water District  
Golden State Water Company  
Orange Vale Water Company  
Placer County  
Placer County Water Agency  
Rio Linda/Elverta Community Water District  
Sacramento County Water Agency  
Sacramento Regional County Sanitation District  
Sacramento Suburban Water District  
San Juan Water District

## **EXHIBIT 2**

### **PROJECT DESCRIPTION**

#### **REGIONAL WATER AUTHORITY**

##### **SACRAMENTO REGIONAL WATER BANK, PHASE 1 PROJECT**

The Sacramento Regional Water Bank Project is being implemented in two distinct phases. Phase 1 consists of work that is still primarily associated with pre-feasibility activities. The Phase 2 scope of work and budget will be further developed during Phase 1 activities and will be focused on final feasibility determinations including environmental analysis. The Phase 1 scope of work is described below in four primary tasks.

#### **SCOPE OF WORK**

The following tasks describe the overall work activities expected for the Sacramento Regional Water Bank (“Water Bank”) Project, Phase 1. More detailed scopes of work and deliverables would be specified upon the issuance of task orders to authorize the work.

##### **Task 1: Support Water Bank Project Committee Meetings**

Support up to nine Water Bank Project Committee meetings during Phase 1 implementation. All meetings are assumed to be in-person. Up to the currently budgeted amount, this task will include the following:

- Develop supporting meeting materials (as appropriate)
- Conduct meetings
- Develop meeting summaries
- Development of template staff reports

Up to three template staff reports on the Water Bank will be prepared for Project Committee participants to utilize with their respective organizations. Staff reports are anticipated to be needed at the onset of Phase 1, during Phase 1 as an update on progress, and at the end of Phase 1 as a recap of accomplishments and preview of next steps. Staff reports will be prepared at the direction of RWA.

#### **Deliverables:**

- Meeting materials (as appropriate) – electronic and hard copies
- Template staff reports – up to three; three pages in length; draft, final (both in MSWord)

### **Task 2: Facilitate Water Bank Communications Working Group**

Support and facilitate up to six Water Bank Communications Working Group (“Comms WG”) meetings during Phase 1 implementation. The meetings will be a combination of in-person and through online meeting services (via services such as GoToMeeting). Up to the currently budgeted amount, this task will include the following:

- Develop supporting meeting materials (as appropriate)
- Facilitate meetings
- Develop meeting summaries

#### **Deliverables:**

- Meeting materials (as appropriate) – electronic and hard copies

### **Task 3: Develop Water Bank Outreach Materials**

Support development of branding and outreach materials as part of Phase 1 implementation of the Water Bank Communications Strategy. Up to the currently budgeted amount, this task will include the following:

- Water Bank key messages – Support the Comms WG with development of Water Bank key messages. These messages are the main points that audiences should know about the Water Bank and will be used throughout all communications platforms and activities to maintain consistent messaging.
- Water Bank one-page fact sheets/inserts – Support the Comms WG with development and production of an initial set of stand-alone one-page (back and front) fact sheets/inserts related to the Water Bank. These fact sheets/inserts are intended to address key issues, benefits, and technical topics associated with the Water Bank and are intended to be for public distribution. Prior to development of fact sheets/inserts, support the Comms WG with determination of the initial list of topics to be covered and sequencing during Phase 1.

#### **Deliverables:**

- Water Bank key messages – draft, revised draft, final (all in MSWord)
- Water Bank one-page fact sheets/inserts – up to eight fact sheets/inserts; draft, revised draft, final of each insert (draft in MSWord, revised draft and final in InDesign); production of 100 copies of each insert

### **Task 4: Integrated Water Flow Model Development**

- Develop a comprehensive model, using the California Department of Water Resources (“DWR”) Integrated Water Flow Model (“IWF-2015”) Code for the South American

Subbasin of Sacramento Valley Groundwater Basin. Note that the North American Subbasin is already funded through another source.

- Develop a new finite element grid network and populate the model with existing time series and spatial input data files including data from the Sacramento Area Integrated Water Resources Model (“SacIWRM”), California Central Valley Groundwater-Surface Water Simulation Model – fine finite element grid (“C2VSim-FG”), and Sacramento Valley Groundwater-Surface Water Simulation Model (“SVSim”) applications.
- Calibrate the model using manual methods and refine using automated calibration with PEST (model-independent parameter estimator) software. Perform sensitivity analysis and refine model parameters, as needed.
- Develop baseline models for existing and future conditions within the model area.
- Run up to four model scenarios to determine the storage, storage losses, and local and regional groundwater elevation changes associated with water bank operations in both the North American and South American subbasins. Scenarios will include simulations of water bank operations in the urban distribution systems as well as proposed operations associated with the Sacramento Regional County Sanitation District’s (“Regional San’s”) South County Ag Program.

**Deliverables:**

- Complete populated and calibrated model files on IWFM-2015 platform
- Model files for baseline conditions, current conditions, future conditions, and scenarios.
- Report documenting model development, calibration, model scenarios and results, and changes made based on stakeholder input.

**Estimated Budget by Task**

Task 1. Project Committee Support	\$41,000
Task 2. Communications Work Group Support	\$17,000
Task 3. Outreach Materials Development	\$75,000
Task 4. Integrated Water Flow Model Development	\$367,000
<b>Not-to-Exceed Total</b>	<b>\$500,000</b>

### EXHIBIT 3

#### FINANCING PLAN

#### REGIONAL WATER AUTHORITY

#### SACRAMENTO REGIONAL WATER BANK, PHASE 1 PROJECT

In developing the proposed fees for each agency, factors such as agency size and the likelihood and level of participation in a future bank were considered. One of the most significant considerations is whether the agency is also located within the South American Subbasin. This is because agencies in the North American Subbasin are funding much of the cost for the update of that portion of the model through a separate effort. A not-to-exceed fee was established to account for the possibility that not all proposed agencies will participate and to allow for a contingency in the event of unanticipated expenses. The not-to-exceed fee includes an additional 20 percent of the planned Phase 1 fee for each agency.

**Proposed Fee Table**

<b>Agency</b>	<b>Planned Phase 1 Fee (1)</b>	<b>Not-to-Exceed Fee</b>
California American Water (2)	\$ 50,000	\$ 60,000
Carmichael Water District	\$ 10,000	\$ 12,000
Citrus Heights Water District	\$ 20,000	\$ 24,000
City of Folsom (2)	\$ 30,000	\$ 36,000
City of Lincoln	\$ 15,000	\$ 18,000
City of Roseville	\$ 30,000	\$ 36,000
City of Sacramento (2)	\$ 60,000	\$ 72,000
Del Paso Manor Water District	\$ 3,000	\$ 3,600
El Dorado County Water Agency	\$ 10,000	\$ 12,000
El Dorado Irrigation District	\$ 10,000	\$ 12,000
Elk Grove Water District (2)	\$ 15,000	\$ 18,000
Fair Oaks Water District	\$ 20,000	\$ 24,000
Golden State Water Company (2)	\$ 20,000	\$ 24,000
Orange Vale Water Company	\$ 3,000	\$ 3,600
Placer County	\$ 3,000	\$ 3,600
Placer County Water Agency	\$ 30,000	\$ 36,000
Rio Linda/Elverta Community Water District	\$ 4,000	\$ 4,800
Sacramento County Water Agency (2)	\$ 60,000	\$ 72,000
Sacramento Regional County Sanitation District (2)	\$ 50,000	\$ 60,000
Sacramento Suburban Water District	\$ 35,000	\$ 42,000
San Juan Water District	\$ 25,000	\$ 30,000

Notes to Proposed Fee Table

- (1) If every proposed agency participates in the Project, the fees collected would be \$503,000. Any surplus funds at the end of the Project will be dispensed in the manner described in Section 17 of this Project Agreement.
- (2) Agency in South American Subbasin.

At the outset of the study, the intent is to collect funding for \$500,000 of work described in Exhibit 2. In the event an agency is unable to participate, the remaining agencies will cover the unfunded amount to reach the \$500,000 funding level on a prorated basis of their original fee up to their not-to-exceed amount. Other than to fund any shortage of the \$500,000 planned Phase 1 fees, the not-to-exceed fee shall not be assessed or used for any other purpose, including as a contingency for unanticipated expenses, without prior approval of the Project Committee.



**EXHIBIT 4 [CONTACT INFO TO BE ADDED BELOW UPON CONFIRMATION OF PARTICIPANTS]**

**NOTICE INFORMATION**

**REGIONAL WATER AUTHORITY**

**SACRAMENTO REGIONAL WATER BANK, PHASE 1 PROJECT**

California American Water

City of Roseville

Carmichael Water District

City of Sacramento

Citrus Heights Water District

Del Paso Manor Water District

City of Folsom

El Dorado County Water Agency

City of Lincoln

El Dorado Irrigation District

Elk Grove Water District

Rio Linda/Elverta Community Water District

Fair Oaks Water District

Sacramento County Water Agency

Golden State Water Company

Sacramento Regional County Sanitation District

Orange Vale Water Company

Sacramento Suburban Water District

Placer County

San Juan Water District  
Attn: Greg Zlotnick  
P.O. Box 2157  
Granite Bay, CA 95746  
Phone: (916) 791-6933  
Fax: (916) 791-6983  
Email: [gzlotnick@sjwd.org](mailto:gzlotnick@sjwd.org)

Placer County Water Agency  
Attn: Brian Rickards  
144 Ferguson Road  
Auburn, CA 95603  
Phone: (530) 823-4845  
Email: [brickards@pcwa.net](mailto:brickards@pcwa.net)

Regional Water Authority  
Attn: Rob Swartz  
5620 Birdcage Street, Suite 180  
Citrus Heights, CA 95610  
Phone: (916) 967-7692  
Fax: (916) 967-7322  
Email: [rswartz@rwah2o.org](mailto:rswartz@rwah2o.org)

**REGIONAL WATER AUTHORITY  
PROJECT AGREEMENT**

**REGIONAL AQUIFER STORAGE AND RECOVERY INFORMATION PROJECT**

This Agreement is made and entered into as of the \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Regional Water Authority (“RWA”), a joint exercise of powers authority formed under California Government Code section 6500, and following, and the Members and Contracting Entities of RWA listed in Exhibit 1 to this Agreement, upon their execution of this Agreement (who are collectively referred to in this Agreement as “Participants”), to provide for carrying out a project or program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the Participants.

**RECITALS**

A. RWA is a joint powers authority, formed to serve and represent regional water supply interests and to assist its members in protecting and enhancing the reliability, availability, affordability and quality of water resources.

B. The joint powers agreement (“RWA JPA”) pursuant to which RWA was formed and operates, and as was amended on October 8, 2013, authorizes RWA to enter into a “Project or Program Agreement,” which is defined in the RWA JPA as an agreement between RWA and two or more of its Members or Contracting Entities to provide for carrying out a project or program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the parties to the Project or Program Agreement.

C. Article 21 of the RWA JPA states: “The Regional Authority’s projects are intended to facilitate and coordinate the development, design, construction, rehabilitation, acquisition or financing of water-related facilities (including sharing in the cost of federal, State or local projects) on behalf of Members and/or Contracting Entities. The Regional Authority may undertake the development, design, construction, rehabilitation, acquisition or funding of all or any portion of such projects on behalf of Members and/or Contracting Entities in the manner and to the extent authorized by such Members and/or Contracting Entities as provided in this Agreement, but shall not accomplish these functions, nor acquire or own water-related facilities in its own name.”

D. Article 22 of the RWA JPA states: “Prior to undertaking a project or program, the Members and/or Contracting Entities who elect to participate in a project or program shall enter into a Project or Program Agreement. Thereafter, all assets, benefits and obligations attributable to the project shall be assets, benefits and obligations of those Members and/or Contracting Entities that have entered into the Project or Program Agreement. Any debts, liabilities, obligations or indebtedness incurred by the Regional Authority in regard to a particular project or program, including startup costs advanced by the Regional Authority, shall be obligations of the participating Members and/or Contracting Entities, and shall not be the debts, liabilities,

obligations and indebtedness of those Members and/or Contracting Entities who have not executed the Project or Program Agreement.”

E. RWA and the Participants desire to carry out a project and share in the costs and benefits of the project, as a Project or Program Agreement as provided for in Articles 21 and 22 of the RWA JPA.

In consideration of the promises, terms, conditions and covenants contained herein, the parties to this Agreement hereby agree as follows:

- 1. Recitals Incorporated.** The foregoing recitals are hereby incorporated by reference.
- 2. Defined Terms.** Terms defined in the RWA JPA will have the same meaning in this Agreement.
- 3. Description of the Project.** The project (“Project”) that RWA and the Participants desire to carry out is the development of critical information needed to make decisions regarding the expanded use of aquifer storage and recovery wells (ASR) in the greater Sacramento region. In the vicinity, the cities of Roseville and Woodland employ ASR. During development of the RWA Regional Water Reliability Plan, a strong interest in potentially employing ASR as a potential means of improving water supply reliability was expressed, but relatively little is known about the costs, favorable conditions, water quality issues, and legal/regulatory issues around the use of ASR. Also of interest with respect to ASR is the increased storage potential of surface water directly into the groundwater basin as part of the proposed Sacramento Regional Water Bank. This project has secured consulting services to provide expertise in addressing these unknowns, so that agencies in the region have a strong basis in deciding on the use of ASR. A scope of work for the information study is attached hereto as Exhibit 2 (“Project Description”).
- 4. Project Committee.** The Participants hereby form a Project Committee consisting of one representative (and alternates) designated by each Participant. The Project Committee will meet as necessary from time to time to administer and implement this Agreement on behalf of the Participants. A majority of the total members of the Project Committee will constitute a quorum. To proceed with a vote to take action, a quorum must be present at a meeting, with a majority of the number present required for an affirmative vote. Each member of the Project Committee will have one vote, either by its representative or an alternate. Where a vote to take action will occur, notice of at least seven days shall be provided to all Project Committee members so that they may have a reasonable opportunity to participate in the consideration of the action item.
- 5. Sharing in Project Costs and Benefits.** The total estimated cost to complete the Project is estimated at \$60,000. The assessments for each Participant are further described and attached hereto as Exhibit 3 (“Financing Plan”). Each of the Participants will make one or more payments to RWA for completion of the Project. Participants shall have full access to the work products of the Project.

At the conclusion of the Project, the Project Committee will take action on the dispensation of any remaining funds. If the Project Committee elects to return the surplus funds to the Participants, RWA will pay back such funds to the Participants on a pro rata basis reflecting the amount of the payments made by each of the Participants. In accordance with the provisions of Articles 21 and 22 of the RWA JPA, any debts, liabilities, obligations or indebtedness incurred by RWA in regard to the Project will be the obligations of the Participants, and will not be the debts, liabilities, obligations and indebtedness of those Members and/or Contracting Entities who have not executed this Agreement.

**6. Role of RWA.** The RWA will (a) ensure that the interests of Members and Contracting Entities of RWA who do not participate in this Project are not adversely affected in performing this Agreement, (b) provide information to the Participants on the status of implementation of the Project, (c) assist the Project Committee in carrying out its activities under this Agreement, d) secure consultant support services through a competitive selection process as identified in RWA Policy 300.2, where applicable; and e) manage consultant support services in completion of the Project.

**7. Authorization to Proceed with the Project.** The Project is authorized to proceed upon the commitment of \$30,000 from Project Participants to fund initial Project costs. Upon execution of this Agreement, the Participants agree to fund their portion of the Project costs in an amount and manner as described in Exhibit 3 (“Financing Plan”) to this Agreement.

**8. Term.** This Agreement will remain in effect for so long as any obligations under this Agreement and/or obligations from other sources of funding secured for completing the Project remain outstanding.

**9. Withdrawal.** A Participant may withdraw from this Agreement without requiring termination of this Agreement, effective upon ninety days’ notice to RWA and the other Participants, provided that, the withdrawing Participant will remain responsible for any indebtedness incurred by the Participant under this Agreement prior to the effective date of withdrawal. If any surplus funds remain after the withdrawing Participant has met all of its financial obligations under this Agreement, then such funds will be returned to the withdrawing Participant in proportion to the total contribution made by each Participant.

**10. Amendments.** This Agreement may be amended from time to time with the approval of all of the Participants and RWA.

**11. Privileges and Immunities.** All of the privileges and immunities from liability; exemptions from laws, ordinances and rules; and all pension, relief, disability, worker’s compensation and other benefits that apply to the activity of officers, agents or employees of RWA or the Participants when performing their respective functions for those agencies will, to the extent permitted by law, apply to them to the same degree and extent while engaged in the performance of any of the functions and other duties under this Agreement. It is further understood and agreed by RWA and the Participants that, notwithstanding anything contained herein, the employees of

RWA and of each Participant shall continue to be entirely and exclusively under the direction, supervision and control of the employing party.

**12. No Third Party Beneficiary.** RWA and the Participants understand and agree that this Agreement creates rights and obligations solely between RWA and the Participants and is not intended to benefit any other party. No provision of this Agreement shall in any way inure to the benefit of any third person so as to constitute any such third person as a third-party beneficiary of this Agreement or any of its items of conditions, or otherwise give rise to any cause of action in any person not a party hereto.

**13. Liabilities.** With respect to this Agreement, RWA and the Participants expressly agree that the debts, liabilities and obligations of RWA and of each Participant shall remain the debts, liabilities and obligations of that party alone and shall not be the debts, liabilities and obligations of any other party to this Agreement, except as may be otherwise set forth herein or in an amendment to this Agreement.

**14. Audits and Accounting.** All funds provided under this Agreement shall be separately accounted for and maintained, with books and records of such funding open to inspection by the Participants. Funding under this Agreement shall be subject to and consistent with the audit and accounting procedures set forth in Articles 27 and 28 of the RWA JPA.

**15. General Provisions.** Any notice to be given under this Agreement shall be made by: (a) depositing in any United States Post Office, postage prepaid, and shall be deemed received at the expiration of 72 hours after its deposit; (b) transmission by facsimile copy; (c) transmission by electronic mail; or (d) personal delivery. This Agreement shall be governed by the laws of the State of California. The contact information for each Participant with respect to this section of the Agreement is set forth in Exhibit 4 (“Notice Information”). This Agreement may be executed by the parties in counterpart, each of which when executed and delivered shall be an original and all of which together will constitute one and the same document.

**16. Signatories’ Authority.** The signatories to this Agreement represent that they have authority to execute this Agreement and to bind the Participant on whose behalf they execute it.

The foregoing Regional Aquifer Storage and Recovery Information Project Agreement is hereby agreed to by RWA and the Participants.

Dated: \_\_\_\_\_ \_\_, 2019

\_\_\_\_\_ \_\_, 2019

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Name

Regional Water Authority

\_\_\_\_\_  
Agency

**List of Agreement Exhibits**

Exhibit 1 – Project Participants

Exhibit 2 – Project Description

Exhibit 3 – Financing Plan

Exhibit 4 – Notice Information

**EXHIBIT 1**

**PROJECT PARTICIPANTS**

**REGIONAL WATER AUTHORITY**

**REGIONAL AQUIFER STORAGE AND RECOVERY INFORMATION PROJECT**

**Agency (Proposed)**

Carmichael Water District  
Citrus Heights Water District  
City of Lincoln  
City of Sacramento  
Elk Grove Water District  
Fair Oaks Water District  
Golden State Water Company  
Placer County Water Agency  
Sacramento County Water Agency  
Sacramento Suburban Water District  
San Juan Water District



## EXHIBIT 2

### PROJECT DESCRIPTION

#### REGIONAL WATER AUTHORITY

#### REGIONAL AQUIFER STORAGE AND RECOVERY INFORMATION PROJECT

The Sacramento Regional Water Bank Project is being implemented in two distinct phases. Phase 1 consists of work that is still primarily associated with pre-feasibility activities. The Phase 2 scope of work and budget will be further developed during Phase 1 activities and will be focused on final feasibility determinations including environmental analysis. The Phase 1 scope of work is described below in four primary tasks.

#### Consultant Scope of Work

##### TASK 1 MEETINGS

Prior to development of this Scope of Work, a meeting was held on December 17, 2018 to get input from agencies with an interest in the study. GEI will facilitate two meetings during the completion of this project, including:

- **Project Coordination Meeting:** This purpose of this meeting is to check at the approximate mid-point of the study with participating agencies to update on progress toward completing the work in the agreed upon scope, schedule and budget. During this meeting we will review the role of the consulting team, RWA staff and participating agencies. We will agree on a process for reviewing our draft report and consolidating comments through RWA.
- **Presentation of Results Meeting:** During this meeting we will present our draft findings and distribute hard copies of our draft report for review.

*Task 1 Deliverables: Meeting Agendas, PowerPoint Presentations and Meeting Summaries.*

##### TASK 2 EVALUATION: COMPILE, REVIEW AND INTERPRET DATA AND INFORMATION

GEI will compile, organize and review information required to complete each of the following subtasks:

*2.1 Role of ASR in the Region: GEI working with RWA staff will evaluate:*

- The role ASR could play in a future regional groundwater bank.
- Evaluation of ASR in relation to other, less expensive, options such as in-lieu recharge.

*2.2 ASR Cost Considerations: The GEI Team will draw from our team experience and working with RWA staff to solicit input from operating ASR system managers to address the following:*

- What are the capital costs for construction of ASR wells compared to new conventional wells? Including:
  - Additional components required for ASR, a brief explanation of the functionality of each component, and a line item cost for each component,
  - Comparison of costs between construction of a traditional well vs an ASR well using both basic construction standards and state of the art construction with higher quality materials; and,
  - Siting and facilities cost considerations.
- What are the capital costs of converting an existing conventional production well for use as an ASR well?
- How do operations and maintenance costs of ASR wells compare to conventional wells?
- What are additional costs of permitting and regulatory compliance (e.g., water quality monitoring) associated with ASR wells?

*2.3 Well and Hydrogeologic Considerations: The GEI Team will draw from our experience with wells and groundwater investigations in the region to address the following questions:*

- Based on available hydrogeologic conditions and regional geologic characterizations, where are desirable locations in the region to employ ASR?
- What are characteristics of existing wells that make them suitable or unsuitable for conversion to ASR wells?

*2.4 Water Quality Considerations: The GEI Team will draw from our experience with ASR and knowledge of water quality within the region, but also solicit input from ASR operators to answer the following:*

- Based on available water quality analyses, what types of potential reactions associated with differing source injection water (Sacramento River versus American River) and groundwater (e.g., redox conditions and pH reactions influencing adsorption/desorption) might be expected to occur? This evaluation will not include geochemical equilibrium modeling.
- Based on known regional groundwater quality conditions, what parts of the region are more or less favorable for considering use of ASR wells.
- What types of impacts (positive or negative) on existing known contaminant plumes or other impaired groundwater quality might be expected? Working with RWA staff, we will solicit input from Orange County Water District, Los Angeles County Department of Public Works, Water Replenishment District of Southern California and the City of Woodland.

*2.5 Right to Store Water in Aquifers: The GEI Team will draw from our experience with ASR permitting but also solicit input from ASR operators to answer the following:*

- How have other operating ASR programs in California addressed the legal right to store the water (e.g., the use of Underground Storage Supplement Permits from the Water Board)? Working with RWA staff, we will solicit input from Orange County Water District, Los Angeles County Department of Public Works, Water Replenishment District of Southern California, Santa Clara Valley Water District, East Bay Municipal Utilities District, Monterey, the City of Tracy, the City of Woodland, and Sonoma County Water District.
- What are the general permitting requirements for ASR operations?

*Task 2 Deliverables: Survey questionnaire for soliciting input for other ASR operators in California.*

### TASK 3 DRAFT AND FINAL REPORT

The GEI team will prepare a draft report for review by RWA and their partner agencies.

#### **Proposed Outline of RWA Regional ASR Assessment Report**

- I. Introduction
- II. Assessment Methodology
- III. Results of Assessment – Summary Table and Narrative Description
- IV. Recommendations for Further Study

*Task 3 Deliverables: Draft and Final Report.*

#### **Project Schedule**

Project is scheduled to begin in by July 2019 and be complete by mid-October 2019.

#### **Project Fee**

The project budget is provided is the table below. Tasks 1 through 3 are based on the consultant’s budget estimate. Task 4 is for the RWA’s Manager of Technical Services for contractor procurement and management, project agreement development, and support in completing the consultant’s tasks. This represents 32 hours of labor at \$185 per hour.

**Estimated Budget by Task**

Task 1: Meetings	\$7,764
Task 2: Evaluation: Compile, Review and Interpret Data and Information	\$35,001
Task 3: Draft and Final Report	\$11,205
Task 4: RWA Staff Project Management	\$5,920
<b>Project Total</b>	<b>\$59,890</b>

### EXHIBIT 3

#### FINANCING PLAN

#### REGIONAL WATER AUTHORITY

#### REGIONAL AQUIFER STORAGE AND RECOVERY INFORMATION PROJECT

In developing the proposed fees for each agency, factors such as agency size, the level of interest, and the likelihood and level of implementing ASR operations were considered. The not-to-exceed fee for each agency is shown in the table below.

**Proposed Fee Table**

<b>Agency</b>	<b>Not-to-Exceed Fee</b>
Carmichael Water District	\$ 3,700
Citrus Heights Water District	\$ 6,600
City of Lincoln	\$ 3,700
City of Sacramento	\$ 10,500
Elk Grove Water District	\$ 3,700
Fair Oaks Water District	\$ 3,700
Golden State Water Company	\$ 3,700
Placer County Water Agency	\$ 3,700
Sacramento County Water Agency	\$ 8,500
Sacramento Suburban Water District	\$ 8,500
San Juan Water District	\$ 3,700

**EXHIBIT 4 [CONTACT INFO TO BE ADDED BELOW UPON CONFIRMATION OF PARTICIPANTS]**

**NOTICE INFORMATION**

**REGIONAL WATER AUTHORITY**

**REGIONAL AQUIFER STORAGE AND RECOVERY INFORMATION PROJECT**

Carmichael Water District

Fair Oaks Water District

Citrus Heights Water District

Golden State Water Company

City of Lincoln

Placer County Water Agency

City of Sacramento

Sacramento County Water Agency

Elk Grove Water District

Sacramento Suburban Water District

San Juan Water District  
Attn: Greg Zlotnick  
P.O. Box 2157  
Granite Bay, CA 95746  
Phone: (916) 791-6933  
Fax: (916) 791-6983  
Email: [gzlotnick@sjwd.org](mailto:gzlotnick@sjwd.org)

Regional Water Authority  
Attn: Rob Swartz  
5620 Birdcage Street, Suite 180  
Citrus Heights, CA 95610  
Phone: (916) 967-7692  
Fax: (916) 967-7322  
Email: [rswartz@rwah2o.org](mailto:rswartz@rwah2o.org)

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Mark Madison, General Manager  
SUBJECT: **REGIONAL WATER AUTHORITY BOARD OF DIRECTOR ALTERNATE APPOINTMENTS**

### **RECOMMENDATION**

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

- 1) General Manager Mark Madison as a representative from the Florin Resource Conservation District Executive Staff to the Regional Water Authority Board of Directors; and
- 2) Assistant General Manager Bruce Kamilos as an alternate representative from the Florin Resource Conservation District Executive Staff to the Regional Water Authority Board of Directors.

### **SUMMARY**

The Regional Water Authority Board of Directors will be holding a meeting on June 13, 2019 to consider a candidate for the Executive Director position for Regional Water Authority (RWA). Due to a conflict in schedules, neither Chairperson Tom Nelson, nor General Manager Mark Madison will be able to attend the meeting. In order for Elk Grove Water District (EGWD) to have representation and be able to participate in approving the RWA Executive Director position, it is important for the Florin Resource Conservation District (FRCD) Board of Directors (Board) to consider the appointment of Assistant General Manager Bruce Kamilos as an alternate member of the RWA Board of Directors.

By this action, the Board would appoint Mr. Kamilos as an alternate to the RWA Board of Directors.

### **DISCUSSION**

#### **Background**

The Board of Directors of RWA consists of representatives from each member agency. Each member agency shall appoint two (2) representatives, who shall be either a representative from the governing board, executive staff representatives or a combination thereof, either of whom may cast a single vote on behalf of their member. RWA recommends that one (1) representative be from the member agency's governing body,

**REGIONAL WATER AUTHORITY BOARD OF DIRECTOR ALTERNATE APPOINTMENTS**

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and that one (1) representative be from the member agency's executive staff. Multiple alternate representatives are allowed.

The representatives from member agencies are able to cast a single vote for any action item on an agenda. This affords the member agency with the opportunity to facilitate effective communication and decision-making.

Present Situation

At the January 18, 2019 regular Board meeting, the Board appointed Mr. Nelson as a representative of the FRCD governing board to the RWA Board of Directors and Mr. Madison as an alternate representative. Based on the RWA guidelines for member representation, Mr. Madison should be appointed as a member agency representative on the RWA Board of Directors and not an alternate representative.

On June 13, 2019, RWA will be holding a meeting to appoint a candidate to the Executive Director position. The candidate will be selected by the RWA Executive Committee. Neither Mr. Nelson nor Mr. Madison will be available to attend the meeting. In order to have District representation appoint the RWA Executive Director, it is recommended that the Board appoint Mr. Kamilos as an alternate representative.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

Serving as an RWA Board of Director representing the District complies with the FRCD/EGWD 2012-2017 Strategic Plan.

**FINANCIAL SUMMARY**

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

Respectfully Submitted,



MARK J. MADISON  
GENERAL MANAGER



May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Patrick Lee, Finance Manager/Treasurer

SUBJECT: **DRAFT ELK GROVE WATER DISTRICT FISCAL YEAR 2019-20 OPERATING BUDGET**

### **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors review and discuss the draft Fiscal Year 2019-20 Elk Grove Water District Operating Budget.

### **SUMMARY**

Each year staff develops the draft operating budget of estimated revenues and expenditures and presents the document to the Finance Committee and Florin Resource Conservation District (FRCD) Board of Directors (Board). Attached to this report is the draft Fiscal Year (FY) 2019-20 Elk Grove Water District (EGWD) Operating Budget development worksheet (Attachment 1) and the draft FY 2019-20 EGWD Proposed Operating Budget (Attachment 2) for review and discussion. Following the presentation and discussion, staff generally makes revisions and brings the revised document back before the Finance Committee and Board at a subsequent meeting(s) for further discussion prior to the advancing to the Board of Directors for adoption.

### **DISCUSSION**

#### **Background**

The Finance Committee met on May 1<sup>st</sup>, 2019 to discuss the draft FY 2019-20 EGWD Operating Budget development worksheet.

#### **Present Situation**

As more information has been gathered, the following changes have been made to the draft FY 2019-20 EGWD Operating Budget development worksheet since the May 1<sup>st</sup> Finance Committee meeting.

- The draft budget development worksheet has been updated to reflect actual revenues and expenditures through April 30, 2019, which are then used to project the FY 2018-19 expected revenues and expenditures.

### **AGENDA ITEM No. 7**

**DRAFT ELK GROVE WATER DISTRICT FISCAL YEAR 2019-20 OPERATING BUDGET**

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- The draft budget development worksheet has been updated with calculations to compare the proposed FY 2019-20 budgeted amounts to the FY 2018-19 expected amounts for informational purposes.
- Salaries & Benefits: decreased by \$66,618
  - A Water Distribution Operation (WDO) III position was reclassified to a Water Distribution Operator in Training (OIT) I position due to pending retirement.
  - Medical benefits were adjusted to inflate at only 2% and not the projected 8%.
  - FY 2019-20 salaries have been updated to reflect a Cost of Living (COLA) of 2.90%. An estimated COLA of 2.77% was used to calculate salary increases in the draft budget development worksheet presented to the Finance Committee on May 1, 2019.
- Capitalized labor costs decreased \$32,497
  - Due to the reclassification of the WDO III position to an OIT I position.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

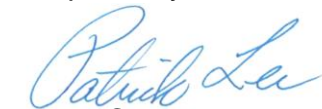
**STRATEGIC PLAN CONFORMITY**

This item, and all other budget related activities, conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. Adoption of an annual EGWD budget is specifically identified as a goal in the financial stability challenge section of the Strategic Plan.

**FINANCIAL SUMMARY**

There is no financial impact at this time.

Respectfully submitted,



PATRICK LEE  
FINANCE MANAGER/TREASURER

Attachments

**AGENDA ITEM No. 7**

Attachment 1

Elk Grove Water District -- FY 2019-20 Budget

Account	Description	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 18-19	FY 18-19	FY 18-19	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2019-20	Change from	Change from	Percentage	Percentage
		Actual	Actual	Actual	Budget	Y-T-D - 4-30-19	Projected	Projected	500	560	610	620	640	650	700	Budget	FY 18-19 Budget	18-19 Projected	Dollars	Dollars
		\$11,235,110	\$12,220,127	\$12,848,104	\$12,681,621	\$10,280,989	\$12,942,127									\$12,816,040	\$134,419	\$126,087	1.06%	11.57%
4100	Water Payment Revenues - Residential	1,700,718	1,525,449	1,831,522	1,715,768	1,409,978	1,774,938									1,914,362	198,594	139,424	11.57%	7.86%
4120	Water Payment Revenues - Commercial	134,672	188,543	188,957	187,864	144,573	182,191									186,842	(1,022)	4,651	-0.54%	2.55%
4200	Meter Fees/Plan Check/Water Capacity	197,091	72,188	240,190	30,000	41,037	51,660									30,000	-	(21,660)	0.00%	-41.93%
4300	Backflow Install:Fin-EGWS	47,107	23,948	15,116	25,000	6,906	8,497									25,000	-	16,503	0.00%	194.22%
4520	Door Hanger Fees	109,275	121,850	149,725	115,000	125,450	157,922									115,000	-	(42,922)	0.00%	-27.18%
4540	New account Fees	23,700	26,640	22,791	25,000	20,070	25,265									25,000	-	(265)	0.00%	-1.05%
4550	NSF Fees	2,520	3,430	3,640	3,000	2,345	2,952									3,000	-	48	0.00%	1.63%
4570	Shut-off Fees	42,850	51,425	62,900	50,000	55,850	70,306									50,000	-	(20,306)	0.00%	-28.88%
4580	Restoration Fees	200	-	266	-	-	-									-	-	-	0.00%	0.00%
4590	Credit Card Fees	8,009	8,480	10,000	8,000	9,110	11,468									8,000	-	(3,468)	0.00%	-30.24%
4900	Customer Refunds	(26,083)	(31,109)	(30,086)	(20,000)	(416)	(524)									(1,000)	19,000	(476)	-95.00%	90.81%
	<b>TOTAL GROSS REVENUES</b>	<b>13,475,169</b>	<b>14,210,971</b>	<b>15,343,125</b>	<b>14,821,253</b>	<b>12,095,892</b>	<b>15,226,800</b>	<b>2.74%</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>\$15,172,243</b>	<b>\$15,172,243</b>	<b>(54,557)</b>	<b>2.37%</b>	<b>-0.36%</b>	

Expenditures

1. Direct Expenses

Account	Description	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 18-19	FY 18-19	FY 18-19	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2019-20	Change from	Change from	Percentage	Percentage
		Actual	Actual	Actual	Budget	Y-T-D - 4-30-19	Projected	Projected	500	560	610	620	640	650	700	Budget	FY 18-19 Budget	18-19 Projected	Dollars	Dollars
		\$5162,686	\$163,831	\$151,934	\$201,602	\$140,067	\$168,081									\$208,444	\$6,842	\$40,363	3.39%	24.01%
5100	Executive Salary	486,577	511,040	525,448	533,379	470,131	564,157									568,146	34,767	3,989	6.52%	0.71%
5120	Non-Exempt Salaries	1,093,622	1,200,261	1,295,333	1,437,510	1,141,081	1,369,297									1,499,539	62,028	130,241	4.31%	9.51%
5130	Overtime Compensation	44,308	39,278	60,799	56,000	34,603	41,524									55,000	(1,000)	13,476	-1.79%	32.45%
5140	On Call Pay	18,326	18,199	18,200	18,250	14,250	17,100									18,250	-	1,150	0.00%	6.73%
5150	Holiday Pay	84,992	104,736	109,632	117,871	101,504	121,805									122,535	4,664	730	3.96%	0.60%
5160	Vacation Pay	127,130	129,244	159,232	147,716	134,197	161,036									121,994	(25,722)	(39,042)	-17.41%	-24.24%
5170	Personal Time Pay	77,581	110,052	105,387	104,797	88,278	105,934									98,028	(6,769)	(7,905)	-6.46%	-7.46%
5180	Internship Program	-	-	-	15,000	-	-									-	(15,000)	-	-100.00%	0.00%
5180	Medical Benefits	527,568	568,711	593,653	726,388	600,113	720,136									764,556	38,168	44,420	5.25%	6.17%
5195	EAP	842	825	825	834	752	902									863	29	(39,448)	3.45%	-4.37%
5201	EGWD Contribution H.S.A	10,400	13,149	13,352	15,000	13,251	13,251									20,000	5,000	6,749	33.33%	50.93%
5210	Dental/Vision/Life Insurance	48,672	50,227	52,337	62,858	55,736	66,883									65,946	3,089	6,749	4.91%	-1.40%
5220	Retirement Benefits	261,030	247,260	524,139	375,521	331,854	398,225									417,176	41,655	18,951	11.09%	4.76%
5225	Retirement Benefits - Post Employment	93,767	243,577	131,063	160,110	39,231	152,885									167,670	7,560	14,785	4.72%	9.67%
5230	Medical Tax, Social Security and SUI	44,123	45,154	46,990	60,551	45,117	54,140									62,791	2,240	8,651	3.70%	15.98%
5240	Worker's Compensation Insurance	86,261	94,085	114,479	100,595	82,288	82,288									114,712	14,117	32,424	14.03%	39.40%
5250	Education Assistance	9,069	17,062	2,566	2,500	16,756	20,107									2,500	(6,050)	2,500	0.00%	100.00%
5260	Employee Training	9,760	7,286	13,697	27,550	2,502	3,002									2,100	(650)	1,993	-21.96%	6.93%
5270	Employee Recognition	1,886	1,577	3,530	2,750	2,502	3,002									2,100	(650)	(902)	-23.64%	-30.06%
5280	Meetings	415	167	189	1,030	62	74									1,100	70	1,026	6.80%	1378.49%
	<b>Category Subtotal</b>	<b>\$3,189,015</b>	<b>\$3,565,721</b>	<b>\$3,922,785</b>	<b>\$4,167,812</b>	<b>\$3,311,773</b>	<b>\$4,060,828</b>	<b>-2.57%</b>	<b>\$2,098,739</b>	<b>\$413,441</b>	<b>\$270,258</b>	<b>\$273,937</b>	<b>\$149,208</b>	<b>\$959,596</b>	<b>\$167,670</b>	<b>\$4,332,850</b>	<b>\$165,038</b>	<b>\$272,022</b>	<b>3.96%</b>	<b>6.70%</b>

Seminars, Conventions and Travel

5300	Airfare	2,273	2,100	1,685	6,100	2,536	2,536									5,750	(350)	3,214	-5.74%	126.74%
5310	Hotels	11,836	7,431	5,022	14,200	7,766	9,319									14,352	152	5,033	1.07%	54.00%
5320	Meals	6,477	3,315	3,282	5,430	3,651	4,381									5,842	412	1,461	7.59%	33.34%
5330	Auto Rental	1,488	10	-	1,900	373	448									1,900	-	1,452	0.00%	324.49%
5340	Seminars & Conferences	8,540	7,184	9,109	10,800	12,313	12,313									13,615	2,815	1,302	26.06%	10.57%
5345	Seminars & Conferences - Board	-	1,807	2,197	2,800	725	725									0	(2,800)	(725)	-100.00%	-100.00%
5350	Mileage Reimbursement, Parking, Tolls	1,680	1,290	1,577	2,050	782	938.40									1,880	1,880	942	-8.29%	100.34%
5375	Auto/Telephone Allowance	4,880	6,000	6,000	6,000	5,000	6,000									6,000	-	-	0.00%	0.00%
	<b>Category Subtotal</b>	<b>\$37,174</b>	<b>\$29,137</b>	<b>\$28,872</b>	<b>\$49,280</b>	<b>\$33,146</b>	<b>\$36,660</b>	<b>-25.61%</b>	<b>\$5,974</b>	<b>\$6,450</b>	<b>\$19,195</b>	<b>\$4,900</b>	<b>\$4,220</b>	<b>\$8,600</b>	<b>\$-</b>	<b>\$49,339</b>	<b>\$-</b>	<b>\$12,679</b>	<b>0.12%</b>	<b>34.58%</b>

Account	Description	FY 16-17 Actual		FY 17-18 Actual		FY 18-19 Budget		FY 18-19 Y-T-D - 4-30-19		FY 18-19 Projected		FY 2019-20 Budget		Difference Dollars		Percentage		
<b>Office &amp; Operational</b>																		
5410	Advertising	\$ 8,129	\$ 6,420	\$ 10,615	\$ 6,000	\$ 3,520	\$ 4,224	\$ 4,224	\$ 3,109	\$ 2,000	\$ 270	\$ 400	\$ 3,500	\$ (2,500)	-41.67%	\$ (724)	-17.14%	
5415	Association Dues	66,881	77,585	79,874	124,544	118,146	118,146	118,146	3,109	3,109	400	400	122,013	(2,531)	3,867	3.27%		
5420	Insurance	74,280	125,199	86,006	86,533	50,132	50,132	50,132	3,109	3,109	235	235	88,450	1,917	2.22%	38,318	76.43%	
5425	Licenses, Certifications, Fees	3,305	3,147	2,154	3,185	2,104	2,525	2,525	4,300	500	200	905	6,140	2,955	92.78%	3,615	143.19%	
5430	Repairs & Maintenance - Automotive	32,122	48,093	38,236	47,500	24,881	29,857	29,857	45,000	1,500	1,500	1,500	46,500	(1,000)	-2.11%	16,643	55.74%	
5432	Repairs & Maintenance - Building	10,963	25,902	29,902	34,000	20,835	25,002	25,002	33,400	1,500	1,500	1,500	53,900	19,900	58.53%	28,898	115.58%	
5434	Repairs & Maintenance - Computers	25,235	33,518	21,208	30,000	27,342	32,810	32,810	14,630	-	-	1,500	22,630	(7,370)	-24.57%	(10,180)	-31.03%	
5435	Repairs & Maintenance - Equipment	58,482	51,231	97,388	114,000	69,461	83,353	83,353	119,000	500	-	1,000	119,500	5,500	4.82%	36,147	43.37%	
5438	Fuel	33,684	34,033	40,128	51,000	29,013	34,816	34,816	50,000	-	-	-	51,000	-	0.00%	16,184	46.48%	
5440	Materials	63,612	157,244	122,500	125,000	61,098	73,318	73,318	125,000	-	-	-	125,000	-	0.00%	51,682	70.49%	
5445	Chemicals	13,886	19,507	42,494	60,000	26,408	31,690	31,690	52,000	-	-	-	52,000	(8,000)	-13.33%	20,310	64.09%	
5450	Meter Repairs	7,870	6,563	27,055	30,000	64,073	76,888	76,888	64,500	-	-	-	64,500	34,500	115.00%	(12,388)	-16.11%	
5453	Permits	35,250	93,895	83,498	55,050	47,486	47,486	47,486	55,000	-	-	100	55,050	-	0.00%	7,564	15.93%	
5455	Postage	64,104	65,102	76,355	76,700	36,815	44,178	44,178	-	100	100	100	70,200	(6,500)	-8.47%	26,022	58.90%	
5460	Printing	7,909	6,686	10,514	17,100	7,429	8,915	8,915	500	-	-	500	24,600	7,500	43.86%	15,685	175.95%	
5465	Safety Equipment	13,164	103,776	105,785	133,261	98,637	98,637	98,637	26,700	1,000	-	78,200	171,469	38,208	28.67%	72,832	73.84%	
5470	Software Programs & Updates	99,326	4,149	22,191	33,000	18,624	22,349	22,349	14,000	-	-	5,000	31,000	(2,000)	-6.06%	8,651	38.71%	
5475	Supplies	28,580	36,395	39,030	41,004	26,701	32,041	32,041	27,704	-	-	1,500	37,704	(3,300)	-8.05%	5,663	17.67%	
5480	Telephone	39,976	22,877	5,370	10,000	9,741	11,689	11,689	8,500	-	-	700	10,000	-	0.00%	(1,689)	-14.45%	
5485	Tools	6,802	9,691	8,206	9,200	5,941	7,129	7,129	7,000	-	-	-	7,700	(1,500)	-16.30%	571	8.01%	
5490	Clothing Allowance	9,440	6,998	6,223	9,000	6,083	6,100	6,100	13,108	-	-	-	13,108	4,108	45.64%	7,008	114.90%	
5491	EGWD Other Clothing	9,188	6,998	6,223	9,000	5,083	6,100	6,100	13,108	-	-	-	13,108	4,108	45.64%	7,008	114.90%	
5493	Water Conservation Materials	3,869	-	12,289	10,000	6,084	7,301	7,301	13,108	-	-	-	5,000	(5,000)	-50.00%	(2,301)	-31.51%	
	<b>Category Subtotal</b>	<b>\$707,042</b>	<b>\$969,217</b>	<b>\$984,814</b>	<b>\$1,137,527</b>	<b>\$764,476</b>	<b>\$854,491</b>	<b>\$854,491</b>	<b>\$709,408</b>	<b>\$3,200</b>	<b>\$470</b>	<b>\$90,635</b>	<b>\$1,208,164</b>	<b>\$70,637</b>	<b>6.21%</b>	<b>\$353,673</b>	<b>41.39%</b>	
5495	<b>Purchased Water</b>	<b>2,417,349</b>	<b>2,732,016</b>	<b>2,873,292</b>	<b>3,178,328</b>	<b>2,349,140</b>	<b>2,818,968</b>	<b>2,818,968</b>	<b>3,135,689</b>	<b>-</b>	<b>-</b>	<b>(42,639)</b>	<b>\$3,135,689</b>	<b>(42,639)</b>	<b>-1.34%</b>	<b>\$316,721</b>	<b>11.24%</b>	
<b>Outside Services</b>																		
5505	Administration Services	\$ 5,357	\$ 1,480	\$ 3,200	\$ 3,590	\$ 2,988	\$ 3,984	\$ 3,984	\$ 3,109	\$ 3,590	\$ -	\$ -	\$ 3,590	\$ 40,000	0.00%	\$ (994)	-9.89%	
5510	Bank Charges	82,979	106,873	132,426	138,808	135,154	162,185	162,185	162,185	-	-	-	178,808	16,623	28.82%	16,623	10.25%	
5515	Billing Services	26,329	24,694	23,597	28,800	17,187	20,624	20,624	20,624	-	-	-	31,800	3,000	10.42%	11,176	54.19%	
5520	Contracted Services	271,147	266,148	297,891	361,780	252,421	302,905	302,905	24,385	30,000	5,000	25,000	416,625	54,845	15.16%	113,720	37.54%	
5523	Water Conservation Services	38,921	24,553	25,536	35,000	22,260	22,260	22,260	36,400	-	-	-	35,000	-	0.00%	-	0.00%	
5525	Accounting Services	34,428	10,188	21,858	100,000	62,095	74,514	74,514	184,000	-	-	184,000	184,000	84,000	84.00%	109,486	146.93%	
5530	Engineering	53,266	76,958	192,023	175,000	102,521	123,025	123,025	123,025	-	-	-	175,000	-	0.00%	51,975	42.25%	
5535	Legal Services	113,798	13,427	112,879	25,000	10,421	12,505	12,505	49,988	-	-	-	10,000	(15,000)	-60.00%	(2,505)	-20.03%	
5540	Financial Consultants	-	15,894	8,679	16,200	7,173	8,608	8,608	16,200	-	-	-	21,200	5,000	30.86%	12,592	146.29%	
5545	Community Relations	15,410	475	2,548	1,500	2,335	2,802	2,802	86,800	2,500	1,200	20,000	2,500	1,000	66.67%	(302)	-10.78%	
5552	Misc. Medical	1,516	493	425	1,000	343	-	-	-	1,000	-	-	1,000	-	0.00%	1,000	100.00%	
5550	Pre-employment	493	343	425	1,000	343	-	-	-	1,000	-	-	1,000	-	0.00%	1,000	100.00%	
5555	Janitorial	6,180	6,685	7,015	9,950	5,750	6,900	6,900	30,650	11,000	-	-	16,000	6,050	60.80%	9,100	131.88%	
5560	Bond Administration	12,042	6,782	4,220	7,050	3,800	3,800	3,800	46,100	-	-	-	7,050	-	0.00%	3,250	85.53%	
5570	Security	7,857	12,444	51,049	22,000	18,643	22,372	22,372	18,000	-	-	-	28,500	6,500	29.55%	6,128	27.39%	
5575	Sampling	18,549	43,275	39,230	49,500	26,430	31,716	31,716	49,500	-	-	-	49,500	-	0.00%	17,784	56.07%	
5580	Board Secretary/Treasurer	1,800	-	-	-	-	-	-	-	-	-	-	-	-	0.00%	-	0.00%	
	<b>Category Subtotal</b>	<b>\$690,072</b>	<b>\$610,219</b>	<b>\$922,576</b>	<b>\$975,178</b>	<b>\$669,178</b>	<b>\$798,200</b>	<b>\$798,200</b>	<b>\$102,885</b>	<b>\$37,090</b>	<b>\$181,200</b>	<b>\$209,000</b>	<b>1,160,573</b>	<b>185,395</b>	<b>19.01%</b>	<b>\$362,373</b>	<b>45.40%</b>	

Account	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Y-T-D - 4-30-19	FY 18-19 Projected	Ops 500	Tech Services 560	GM 610	HR 620	PM 640	Finance 650	Admin 700	FY 2019-20 Budget	Difference Dollars	Percentage	Difference Dollars	Percentage
<b>Equipment Rent, Taxes and Utilities</b>																			
5620	Equipment Rental	\$13,493	\$20,771	\$23,266	\$19,800	\$12,359	\$14,831	\$5,000	\$5,000					\$12,800	\$17,800	\$(2,000)	-10.10%	\$(2,000)	20.02%
5710	Property Taxes	1,328	1,299	959	1,500	1,116	1,116							1,500	1,500	-	0.00%	-	34.41%
5720	Water	-	-	-	-	-	-							-	-	-	0.00%	-	0.00%
5740	Electricity	284,865	314,161	320,004	384,000	241,045	301,306	355,000						7,000	362,000	(22,000)	-5.73%	(22,000)	20.14%
5750	Natural Gas	425	601	517	600	748	897.60							900	900	300	50.12%	300	0.27%
5760	Sewer & Garbage	17,368	21,226	29,532	33,000	18,410	22,092	25,000						9,000	34,000	1,000	3.03%	1,000	53.90%
	Category Subtotal	\$317,479	\$358,058	\$374,278	\$438,900	\$273,678	\$340,243	\$385,000	\$385,000					\$31,200	\$416,200	\$(22,700)	-5.17%	\$(22,700)	22.32%
	Gross O&M Expenses	\$7,358,131	\$8,264,368	\$9,106,617	\$9,947,025	\$7,401,391	\$8,909,390	\$6,437,695	\$7,195,526	\$471,123	\$319,127	\$227,928	\$1,303,591	\$823,824	\$10,302,815	\$355,790	3.58%	\$355,790	15.64%
	Less: Capitalized Labor	(509,238)	(528,352)	(279,633)	(453,517)	(161,929)	(194,315)	(424,667)						-	-(424,667)	28,850	-6.36%	28,850	118.55%
	Net O&M Expenses	\$6,848,893	\$7,736,016	\$8,826,984	\$9,493,508	\$7,239,462	\$8,715,075	\$6,013,028	\$7,195,526	\$471,123	\$319,127	\$227,928	\$1,303,591	\$823,824	\$9,878,148	\$384,640	4.05%	\$384,640	13.35%
	<b>Net Revenues</b>	\$6,626,276	\$6,474,955	\$6,516,141	\$5,327,745	\$4,856,430	\$6,511,725								\$5,294,095	\$(33,649)	-0.63%	\$(33,649)	-18.70%

**2. Capital Improvement Funding**

3560	Repair & Replacement Reserve	851,472	700,000	626,000	429,000	429,000	429,000							\$1,408,000	\$1,408,000	\$979,000	28.21%	\$979,000	28.21%
3565	Long-Term Capital Improvement Reserve	698,528	1,000,000	1,130,000	1,016,400	1,016,400	1,016,400							430,000	430,000	(586,400)	-57.69%	(586,400)	-57.69%
	Contribution to Reserves	\$1,550,000	\$1,700,000	\$1,756,000	\$1,445,400	\$1,445,400	\$1,445,400								\$1,838,000	\$392,600	0.00%	\$392,600	0.00%
	TOTAL CAPITALIZED EXPENSES														\$1,838,000	\$392,600	27.16%	\$392,600	27.16%

**3. Nonoperating (Revenue) / Expenses**

6440	Depreciation	\$0	-	-	-	-	-							-	-	-	0.00%	-	0.00%
6450	Amortization	-	-	-	-	-	-							-	-	-	0.00%	-	0.00%
7300	Debt Service (Bond Interest Expense)	2,225,240	1,868,979	1,807,502	1,753,909	1,753,909	1,753,909							1,661,739	1,661,739	(92,170)	-5.26%	(92,170)	-5.26%
7320	Offering Expense - Deferred Charges	-	-	-	-	-	-							-	-	-	0.00%	-	0.00%
2500	Bond Retirement	1,430,000	1,440,000	1,990,000	2,070,000	2,070,000	2,070,000							2,165,000	2,165,000	95,000	4.59%	95,000	4.59%
9910	Interest Earned	(20,000)	(46,228)	(105,884)	(100,000)	(152,558)	(183,070)							(100,000)	(100,000)	-	0.00%	-	-100.00%
9911	Unrealized Gains/Losses	-	67,877	67,877	(140,341)	(140,341)	(168,409)							-	-	168,409	100.00%	168,409	100.00%
9920	Other (Income)/expenses	-	(54,451)	91,661	(18,005)	(18,005)	(18,005)							-	-	18,005	#DIV/0!	18,005	-100.00%
3500	Contribution from Operating Reserves	(74,671)	-	-	-	-	-							-	-	-	0.00%	-	0.00%
9920	Other Expenses (Toilet Program Costs, Other Income)	-	12,036	-	-	-	-							-	-	-	0.00%	-	0.00%
9950	Election Costs	-	126,527	-	150,000	2,008	2,008							-	-	(150,000)	100.00%	(150,000)	100.00%
9970	Rebate Program	-	-	-	-	-	-							-	-	-	0.00%	-	0.00%
	TOTAL OTHER EXPENSES	\$3,560,569	\$3,346,863	\$3,851,156	\$3,873,909	\$3,515,013	\$3,456,433							\$3,726,739	\$3,726,739	\$(147,170)	-3.80%	\$(147,170)	7.82%
	TOTAL EXPENDITURES	\$11,959,462	\$12,782,879	\$14,434,140	\$14,812,816	\$12,199,875	\$13,616,908							\$6,388,563	\$15,442,887	\$630,070	4.25%	\$630,070	13.41%
	DISTRICT REVENUES IN EXCESS OF EXPENDITURES	\$1,515,707	\$1,428,092	\$908,985	\$8,436	\$(103,983)	\$1,609,892								\$(270,643)	\$(279,079)	3308.18%	\$(1,880,536)	116.81%
	CHECK	\$1,515,707	\$1,428,092	\$908,985	\$8,436	\$(103,983)	\$1,609,892								\$(270,643)	\$(279,079)	3308.18%	\$(1,880,536)	116.81%



# **Fiscal Year 2019-20**

## **Operating Budget**





**Elk Grove Water District**  
9257 Elk Grove Boulevard  
Elk Grove, CA 95624  
(916) 685-3556  
[www.egwd.org](http://www.egwd.org)

**Board of Directors**

Tom Nelson, Chairperson  
Bob Gray, Vice-Chairperson  
Lisa Medina, Director  
Elliott Mulberg, Director  
Sofia Scherman, Director

**Appointed Official**

Mark J. Madison, General Manager

**Leadership Team**

Bruce Kamilos, Assistant General Manager  
Stefani Phillips, Human Resource Administrator/Board Secretary  
Patrick Lee, Finance Manager/Board Treasurer  
Sarah Jones, Program Manager  
Donella Murillo, Finance Supervisor  
Steve Shaw, Water Treatment Supervisor  
Sean Hinton, Water Distribution Supervisor  
Alan Aragon, Water Distribution Supervisor



# GOVERNING VALUES

Board members and employees of the Florin Resource Conservation District and Elk Grove Water District commit to the following values:

- **Leadership:** We are a team. The community is supported through mutual cooperation and respect. Great ideas come from many sources and we listen with an open mind.
- **Caring:** We care about the quality of our water, we care about our customers' satisfaction and we care about the quality of the working environment.
- **Integrity:** We are honest with one another, with our customers and with our industry partners. We maintain a quality operation that is fiscally sound and forthright. We want the trust and respect of our community and ratepayers.
- **Professionalism:** We are committed to standards of excellence, accuracy and superior conduct.
- **Vision:** We recognize that decisions we make today impact the future of this District and our community. We value our community's natural resources and actively seek ways to improve our services through local control and stewardship.



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**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

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**To:** Florin Resource Conservation District Board of Directors  
**From:** Mark J. Madison, General Manager  
**Date:** June 19, 2019  
**Subject:** **ELK GROVE WATER DISTRICT FY 2019-20 OPERATING BUDGET**

For your consideration, I respectfully submit the proposed annual Elk Grove Water District (EGWD) Operating Budget for the fiscal year beginning July 1, 2019. This proposed operating budget reflects a collaborative effort between staff and the Board, as well as allowing for input from the public during several meetings.

The EGWD continued to be successful in fiscal year (FY) 2018-19 in controlling costs to maintain financial stability. This was aided as EGWD revenues are anticipated to be higher than budgeted by approximately \$406,000. Overall, the bottom-line (Revenues in Excess of Expenditures) is projected to close approximately \$1.6 million higher than the projection in the EGWD FY 2018-19 Operating Budget. Cost savings were achieved in all expenditure categories through careful monitoring of expenditures throughout the year, with Office and Operational, Purchased Water, and Outside Services accounting for the expenditure categories with the most cost savings, totaling approximately \$819,000. These savings were offset by the capitalization of less labor costs than budgeted.

Office and Operational costs are projected to be approximately \$283,000 under budget and this is primarily due to lower costs associated with insurance, materials, water treatment chemicals, safety equipment and software program updates.

Purchased Water costs are projected to be approximately \$359,000 under budget. This savings is derived from budgeting purchase water costs at a rate increase of 2.81% for FY 2018-19 as estimated by the Sacramento County Water Agency (SCWA) when the rate actually decreased by 7.89%. This decrease in rate was offset by an increase in water consumption as drought restrictions have been lifted.

Outside Services costs are projected to be approximately \$177,000 under budget and this is primarily due to a decrease in legal, engineering and contracted services costs. The majority of these services were handled in-house and resulted in savings from the amounts budgeted.

For the proposed FY 2019-20 budget, expenditures are projected to exceed revenues by \$270,643. This is due mainly to capital projects that were budgeted for but not completed in FY 2018-19 and will

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

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be carried over into FY 2019-20. Revenues are projected to increase by approximately \$351,000 in FY 2019-20, despite no projected revenue adjustments based on the 2018 Water Rate Fee Study approved by the Board on July 18<sup>th</sup>, 2018. Information on this Rate Study and the anticipated revenue increase is provided in the Revenue Section of this budget document.

EGWD expenditures have been reduced to the maximum extent possible. The largest expenditure categories in FY 2019-20 are Salaries and Benefits at 28.06% of total projected expenditures, Purchased Water cost at 20.31% of total projected expenditures and Debt Service at 24.78% of total projected expenditures. The proposed FY 2019-20 Operating Budget also reflects a 2.90% cost-of-living adjustment applied to salaries.

Certain expenditures are expected to inflate, and the notable examples include medical costs (estimated to go up 2.0% for any employees who have not exceeded the District medical subsidy cap), purchase water costs (up an estimated 2.44%) and outside services by approximately 19.01%.

This next year also updates the 5-year Capital Improvement Program (CIP), in which all capital expenditures will be assigned to specific projects. Notable projects for FY 2019-20 include service replacements for backyard water mains, a well pump replacement and the replacement of a fleet vehicle. Cost estimates for next year's projects are \$1,838,000 and this will be funded using capital improvement and capital replacement reserves.

The Board of Directors and Staff of the FRCD/EGWD remain committed to prudent, conservative financial practices, with goals of continuing to reduce long-term debt and funding capital improvements on a pay as you go basis.

The EGWD has also completed efforts to review its rates and fees with the intent of attaining long-term stability and maintaining sufficient debt service coverage required by its outstanding bond covenants.

I would like to thank staff for their conscientious efforts in prudent management of EGWD resources to meet the demands of great customer service and responsible facilities maintenance. I want to also thank the Board of Directors for their leadership and continued interest in prudent fiscal management.

In summary, the Elk Grove Water District will continue to maintain financial discipline during FY 2019-20 and this reflects a concerted effort by the Board and staff to maintain our customer rates and charges as low as possible.



MARK J. MADISON, P.E.  
GENERAL MANAGER

## INDUSTRY ANALYSIS AND CURRENT STATUS

Although some businesses can cut costs by shutting down non-critical units, in water service, all components are necessary to the health and safety of the public. It is impossible to cut costs by pumping less water than the public requires or by cutting back on the quality of standards. People require safe, sufficient water at all times, so water utilities must maintain a quality operation at all times.

**Issues Currently Affecting the Water Industry.** The American Water Works Association (AWWA) 2018 State of the Water Industry Report has identified the top five issues facing the water industry as: 1) renewal and replacement of aging infrastructure; 2) financing for capital improvements; 3) public understanding of the value of water systems and services; 4) long-term water supply availability; and 5) public understanding of the value of water.

The EGWD is proactively addressing these top five issues identified by AWWA. As part of its five-year Capital Improvement Program (CIP), EGWD is replacing aging infrastructure such as old water mains each and every year. In addition, EGWD, through its Asset Management Plan, annually assesses the condition of all of its assets to determine when projects should be undertaken to replace assets. EGWD currently has a pay-as-you-go policy to fund replacement of aging assets. To improve public understanding of the value of water, water systems and services, EGWD periodically issues a newsletter to its customers, and participates in two large annual events where people in our community gather. Regarding long-term water supply availability, the EGWD prepares an urban water management plan every five years as required by law that verifies its ability to meet long-term water demands.

**Changing Water Demands.** Although more efficient use of water is a major goal of the industry, in areas where customer growth is slow or nonexistent, declining water use left unaddressed can decrease operating revenue and affect how costs are recovered through rates and charges. In some cases, utilities must explain to customers that their rates must go up even as their community uses the same amount of water or less water.

The EGWD has experienced gradual decreases in water consumption from 2014 to 2016 due to the drought starting in 2014. In 2017, when the emergency drought declaration was lifted by the Governor, the EGWD started to experience gradual increases in water consumption. This gradual increase, however, was offset by certain conservation efforts, such as installing water efficient appliances and landscaping, which result in long-term water use reductions. Water consumption still has not returned to the pre-drought levels experienced in 2013 and earlier.

**Rate Increases and Affordability.** Faced with increasing capital needs and potential funding shortfalls, many utilities must increase the rates they charge for water services in the immediate future. As water utilities consider changes to their rates and fees, it is also

important they keep in mind low-income consumers who may find themselves choosing between paying their water bills or buying food or paying rent.

The EGWD completed a 5-year water rate study during the summer of 2018, setting forth the incremental rate increases for years 2019 through 2023, necessary to continue to fund the debt service and operations of the water utility. Through prudent financial management, cost control and the implementation of certain cost reduction programs, the EGWD will be able to hold off any rate increase for the next two years and only increase rates by 3.0% for the following 3 years. To further assist EGWD customers with ensuring the affordability of the water delivered to them, the EGWD also has various payment plan programs available to amortize costs over several months as to avoid discontinuance of service to customers.

**Water Supply Sustainability.** Shifting from long-term to near-term water supply, water systems are dramatically affected by shortages resulting from drought, the severity of which will likely be influenced by climate change moving forward. As communities evaluate their water shortage preparedness, it is also an opportunity to gain an overall better understanding of regional water supply sustainability.

The EGWD has taken a lead role to ensure that its water supply, and the water supply within the Sacramento region, is sustainable now and for future generations to come. The general manager of EGWD is one of the Board of Directors on the Sacramento Central Groundwater Authority (SCGA). SCGA is the state-approved authority to ensure groundwater within the Sacramento region is sustainable.

**Utility Management Practices and Regulations.** The importance of current and future regulatory compliance continues to be a main concern of the water industry. New regulatory compliance requirements challenge the ability of water utilities to meet such requirements financially and operationally.

Recently several bills passed that will impact the District including, but not limited to bills that regulate water loss standards (SB 555), water conservation requirements (AB 1668, SB 606), and lead testing for drinking water in schools (AB 746). The District is proactive in working towards compliance by attending and participating in regulatory working groups and by reaching out to affected partners. For example, the requirements for lead testing and reporting for drinking water in schools were completed far in advance of the deadline and were achieved in collaboration with the Elk Grove Unified School District, BSK Laboratories and the California State Water Board's Division of Drinking Water.

## ABOUT THE ELK GROVE WATER DISTRICT

### Introduction

In 1893, after several fires threatened the small town of Elk Grove, CA, local residents banded together and founded the Elk Grove Water Company. The water company began business with twelve owners and 10 customers. The Jones family later purchased the water company in the early 1900's and operated the utility as a private company known as the Elk Grove Water Works. The Florin Resource Conservation District (FRCD) acquired the Elk Grove Water Works in 1999 from the Jones family and created the Elk Grove Water District (EGWD), which is a Department of the FRCD. This acquisition changed the governance of the water utility from private ownership to a publicly owned and operated agency. The EGWD is structured as an enterprise fund of the FRCD.

The FRCD and EGWD are governed by an elected five-member Board and advice from one volunteer associate Board member. Board members serve four-year, staggered terms. FY 2019-20 does not reflect any election costs as no Board member terms are set to expire this budget year. The Board of Directors delegate the daily operations of EGWD to the General Manager, who supervises the work of 29 staff members.

### Elk Grove Water District Service Area



The EGWD service area covers 13 sq. miles with a population of approximately 45,000 people, providing water to over 12,600 homes and businesses in Elk Grove. Much of the water supplied is produced by wells located throughout Elk Grove, the treatment and storage



facility at the Railroad Water Treatment Plant (RRWTP) on Railroad Street and the treatment facility on Hampton Drive. EGWD produces over 1.3 billion gallons of water each year, providing supply to approximately two-thirds of the EGWD service area. The remaining area is supplied with water purchased from the Sacramento County Water Agency under a long-term agreement. The EGWD also has a robust Capital Improvement Program, which includes many projects to maintain outstanding customer service and water quality that meets all drinking water standards.

### **Budget Process**

The EGWD adopts an annual operating budget and an annual Capital Improvement Program to ensure the adequacy of resources to meet EGWD needs and to accomplish the EGWD's mission.

The EGWD's budget process begins with a Leadership Team Budget Kickoff Workshop to discuss timeline and identify strategic goals and objectives. Each department head is then responsible for developing their departmental operating budget for submission to the Finance Department. The Human Resources Department is responsible for the development of personnel budget and the Finance Department is responsible for the preparation of revenue estimates. Once all departmental operating budgets, personnel budget and the revenue estimates are completed, the Finance Department will compile the information into the budget document.

As required by certain debt covenants, the annual operating budget is evaluated to ensure that net revenues, as defined by the debt covenant, are equal to or exceed a minimum of 115 percent of the anticipated debt service for the budget year.

The preliminary budget is presented to the Finance Committee during a public meeting to solicit feedback and comments from the committee and the public. Once all feedback and comments received have been considered and incorporated as appropriate, the final budget is presented to the Board of Directors for adoption during a public meeting prior to each fiscal year end.

### **Basis of Accounting**

The EGWD operates on a fiscal year that runs from July 1, through June 30. Accounting and budgetary records are maintained using the full accrual basis of accounting. The EGWD is a single enterprise fund where revenues are recognized when they are earned and the expenses are recognized when they are incurred. The budget does not include amounts for depreciation, pension expense in accordance with Government Accounts Standards Board (GASB) Statement No. 68, or retiree medical expenses in accordance with GASB Statement No. 75, but does include an expenditure for debt principal. Therefore, the budget is not prepared in the same manner as the Comprehensive Annual Finance Report (CAFR). The

budget detailed in this document is used as a management tool for projecting and measuring revenues and expenses.

### **Budgetary Control**

Since the budget is an estimate, from time to time, it may be necessary to make adjustments to fine tune budget line items within expenditure categories. Various levels of budgetary control have been established to maintain the Budget's integrity. The levels of budgetary control are as follows: The General Manager controls the budget at the operating level and budgets are monitored by each respective department head. The General Manager has the authority to transfer balances between budget lines within an expenditure category. Any transfers between expenditure categories or increases in appropriations require approval by the Board of Directors. Budget to actual reports are prepared by the Finance Department and presented to the Board of Directors on a monthly basis.

### **Reserve Policy**

It is the policy of the District that all funds held in reserve be designated to specific uses. The District holds cash reserves for special projects and operations. Such monies are not considered 'surplus' and shall not be made available for other uses without the express authorization of the Board of Directors.

The adequacy of the target reserve year-end balance ranges and/or annual contributions will be reviewed annually during the budgeting and planning process and may be revised accordingly as necessary. The following District reserve fund categories are to be established:

- Operating Reserve Fund – Used to ensure cash resources are available to fund daily administration, operations and customer services. Target Balance is 120 Days of the Annual Operations and Maintenance Budget.
- Capital Improvement Reserve Fund – Used to fund the new assets needed for the operations of the district that enhance or increase capacity. Target Balance is equal to the annual Capital Improvement Program Budget.
- Capital Replacement Reserve Fund – Used to fund replacement of existing assets. Target Balance is equal to the annual Capital Replacement Budget.
- Elections and Special Studies Reserve Fund – Used to fund various special studies, as needs arise in the District such as election costs, Board expenses, etc. Target Balance is \$150,000.
- Future Years Capital Improvement Reserve Fund – Used to fund the new assets needed for the operations of the district that enhance or increase capacity in future

years not yet identified in the annual Capital Improvement Program. Target Balance is 75% of the balance of the Unrestricted Net Position not allocated to the Operating Reserve Fund, Capital Improvement Reserve Fund, Capital Replacement Reserve Fund and the Elections Special Studies Reserve Fund upon conclusion of the annual audit.

- Future Years Capital Replacement Reserve Fund – Used to fund the replacement of existing assets in future years not yet identified in the annual Capital Improvement Program. Target Balance is 25% of the balance of the Unrestricted Net Position not allocated to the Operating Reserve Fund, Capital Improvement Reserve Fund, Capital Replacement Reserve Fund and the Elections Special Studies Reserve Fund upon conclusion of the annual audit.

### **Investment Policy**

It is the policy of the EGWD to invest public funds in a manner which will provide the highest investment return with the maximum security while meeting the daily cash flow demands of the EGWD and conforming to all state and local statutes governing the investment of public funds.

In accordance with the section 53600 et. seq. of the Government Code of the State of California, the authority to invest public funds is expressly delegated to the Board of Directors for subsequent re-delegation to the Finance Manager/District Treasurer.

Investments by the Finance Manager are limited to those instruments specifically described in the EGWD's investment policy. The Finance Manager submits monthly reports to the Board of Directors detailing all investment holdings. In order of importance, the following three fundamental criteria are followed in the investment program: 1) safety of principal; 2) liquidity; and 3) return on investment.

### **Procurement Policy**

The EGWD's procurement policy creates uniform procedures for acquiring general goods and services, professional services, public construction contracts and the acquisition of real property. The primary purpose of the policy is to provide for the purchase of materials and trade services with the objective that they will be available at the proper time, place, quantity and at the best available price, consistent with the needs of the EGWD.

### **Accounting Systems and Controls**

The EGWD uses the Sage 100 financial accounting system to record its financial transactions. Management has established a system of internal controls that provide a reasonable basis for protecting the EGWD's assets from fraud, waste and abuse and compile sufficient reliable information for the preparation of the EGWD's financial statements. At the end of the year,

the EGWD prepares a Comprehensive Annual Financial Report (CAFR) consisting of management's representations concerning the EGWD's finances. An independent auditing firm audits this report and examines the EGWD's internal controls and provides an opinion on the financial reporting and suggestions on ways to improve the internal control processes of the EGWD.

### **Long-Term Financial Planning**

With the approval of the 2018 Water Rate Study and associated rate ordinance, the EGWD has a five-year plan that provides for the stable funding of operations, capital projects and debt service. In conjunction with this plan, the EGWD restructured approximately \$32.3 million of outstanding bonded indebtedness in December 2014 and \$16.4 million in June 2016 to provide an average annual savings of \$194,000 over the remaining term of the debt. It should be noted that the District contributed \$1.5 million of reserve funds in order to reduce the remaining term of the debt by 13 years and maintain annual debt service savings on the refinanced bonds. The EGWD has no legal debt limit and does not intend to issue any additional debt. This, along with continued prudent financial management, has assisted in mitigating revenue adjustments in FY 2018-19 and will also contribute towards the need for no revenue adjustments in FY 2019-20. Staff will continue to review revenues and expenditures annually to determine whether the projected revenue adjustments as recommended by the 2018 Water Rate Study will be necessary.

### **Budget Assumptions**

A budget is an estimate of revenues and expenditures for a set period of time. The creation of estimates involves a set of assumptions. It is important that the reader of this budget understands the assumptions used in preparing the revenue and expenditures estimates contained herein. Listed below are the primary assumptions used in the creation of this budget:

- 2018 Water Rates Study adopted by the Board on July 18, 2018 will result in no revenue adjustments for FY 2019-20.
- A 3.0% increase in water consumption as a result of lifted drought restrictions.
- Estimated 2.44% rate increase in Purchased Water cost from the Sacramento County Water Agency.
- Estimated 14% increase in workers compensation expense – no rate increases but experience modifier is expected to increase due to an increase in claims.
- Estimated 12.7% increase in employer retirement costs through CalPERS.
- Estimated 5.0% increase in OPEB costs.
- Estimated 3.0% increase in health care insurance costs.
- Salary increases will be from a cost of living adjustment in accordance with the CPI and potential merit increases based upon specific employee performance.

## EGWD by the Numbers

MAXIMUM DAILY WATER SUPPLY CAPACITY	11.4 MGD
NUMBER OF TREATMENT PLANTS	2
AGGREGATE TREATMENT PLANT CAPACITY	11.8 MGD
NUMBER OF WELLS	8
MILES OF WATER MAINS	145.0
NUMBER OF BOOSTER PUMPS	10
NUMBER OF ACTIVE SERVICE CONNECTIONS	12,370
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	1,610
EGWD SERVICE AREA POPULATION	44,965

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**FISCAL YEAR 2019-20  
BUDGET OVERVIEW**

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*(Insert FY 19-20 Budget  
Adoption Resolution Here)*

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## Fiscal Year 2019-20 Budget Preparation Timeline

- April 01 1:00 pm, Leadership Team Budget Kick-Off.
- April 01 2:00 pm, Staff meeting to kick off the CIP review.
- April 10 6:30 pm, Infrastructure Committee meeting to discuss the 1<sup>st</sup> draft of the FY 2020-24 CIP.
- April 11 All department budget initial requests are due to FM.
- April 15 FM submits to the GM the compiled, multi-colored, budget spreadsheet for first comprehensive review.
- April 17 Present to the Board the 3<sup>rd</sup> quarter financial report.
- April 18 9:00 am, Leadership Team meeting to review the first draft of the budget spreadsheet.
- April 22 GM to provide first round comments and revisions back to FM.
- April 24 FM makes the required revisions and disperses the first draft of the budget spreadsheet to the Finance Committee (Board).
- April 30 6:30 pm, Infrastructure Committee meeting to go over 2<sup>nd</sup> draft of the CIP (if necessary).
- May 01 6:30 pm, the first Finance Committee is held.
- May 10 Issue the 1<sup>st</sup> draft of the actual budget document and 2<sup>nd</sup> draft of budget development worksheet to the Board for review.
- May 15 Present to the Board Y-T-D budget to actual data thru April 30<sup>th</sup>, review the 2<sup>nd</sup> draft budget development worksheet and discuss 1<sup>st</sup> draft of actual budget document.
- May 22 6:30 pm, 2<sup>nd</sup> Finance Committee Meeting (if necessary).
- May 29 Issue revised budget to Finance Committee (if necessary).
- June 05 Placeholder for a 3<sup>rd</sup> Finance Committee Meeting (if necessary).
- June 12 Final Budget and staff report due for Board Packet inclusion.
- June 19 Board considers all budgets for adoption.

Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

## SUMMARY OF REVENUES AND EXPENDITURES

**Elk Grove Water District  
Budgeted Revenues and Expenditures by Category  
For the Fiscal Year ending June 30, 2020**

Expenditure	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Budget	Change in Budget
Revenues	\$ 13,475,169	\$ 14,210,971	\$ 15,343,125	\$ 14,821,253	\$ 15,226,800	\$ 15,172,243	\$ 350,991
Salaries and Benefits	3,189,015	3,565,721	3,922,785	4,167,812	4,060,828	4,332,850	165,038
Seminars, Conventions and Travel	37,174	29,137	28,872	49,280	36,660	49,339	59
Office and Operational	707,042	969,217	984,814	1,137,527	854,491	1,208,164	70,637
Purchased Water	2,417,349	2,732,016	2,873,292	3,178,328	2,818,968	3,135,689	(42,639)
Outside Services	690,072	610,219	922,576	975,178	798,200	1,160,573	185,395
Equipment Rent, Taxes and Utilities	317,479	358,058	374,278	438,900	340,243	416,200	(22,700)
Subtotal Operational Expenditures	7,358,131	8,264,368	9,106,617	9,947,025	8,909,390	10,302,815	355,790
Less: Capitalized Labor	(509,238)	(528,352)	(279,633)	(453,517)	(194,315)	(424,667) *	28,850
Total Operational Expenses	6,848,893	7,736,016	8,826,984	9,493,508	8,715,075	9,878,148	384,640
Non-Operating Expenditures (Income)	3,560,569	3,346,863	3,851,156	3,873,909	3,456,433	3,726,739	(147,170)
Capital Equipment and Expenditures	1,550,000	1,700,000	1,756,000	1,445,400	1,445,400	1,838,000	392,600
Total Net Expenditures	11,959,462	12,782,879	14,434,140	14,812,816	13,616,908	15,442,887	630,070
Revenues in Excess of Expenditures, Principal Retirement and Capital Labor	\$ 1,515,707	\$ 1,428,092	\$ 908,985	\$ 8,436	\$ 1,609,892	\$ (270,643)	\$ (279,079)

\* This represents approximately 70% of Salaries and Benefits of the Utility Division which will be charged to the Capital Improvement Program

Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

## SUMMARY OF NET POSITION ACTIVITY

**Elk Grove Water District  
Summary of Net Position Activity  
For the Fiscal Year Ending June 30, 2020**

	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Budget
<b>Beginning Net Position</b>	\$ 39,303,071	\$ 39,303,071	\$ 40,912,963
<b>Estimated Revenues</b>	<u>14,821,253</u>	<u>15,226,800</u>	<u>15,172,243</u>
<b>Estimated Operational Expenditures</b>			
Salaries and Benefits	4,167,812	4,060,828	4,332,850
Seminars, Conventions and Travel	49,280	36,660	49,339
Office and Operational	1,137,527	854,491	1,208,164
Purchased Water	3,178,328	2,818,968	3,135,689
Outside Services	975,178	798,200	1,160,573
Equipment Rent, Taxes and Utilities	<u>438,900</u>	<u>340,243</u>	<u>416,200</u>
Total Operational Expenditures	<u>9,947,025</u>	<u>8,909,390</u>	<u>10,302,815</u>
<b>Estimated Nonoperational Expenditures</b>			
Capitalized Labor	(453,517)	(194,315)	(424,667)
Non-Operating Expenditures (Income)	3,873,909	3,456,433	3,726,739
Capital Equipment and Expenditures	<u>1,445,400</u>	<u>1,445,400</u>	<u>1,838,000</u>
Total Nonoperational Expenditures	<u>4,865,791</u>	<u>4,707,518</u>	<u>5,140,072</u>
<b>Revenues in Excess of Expenditures</b>	<u>8,436</u>	<u>1,609,892</u>	<u>(270,643)</u>
<b>Estimated Ending Net Position</b>	<u>\$ 39,311,507</u>	<u>\$ 40,912,963</u>	<u>\$ 40,642,320</u>

## BUDGET HIGHLIGHTS

### FISCAL YEAR 2019-20

The Elk Grove Water District (EGWD) budget for fiscal year (FY) 2019-20 projects total operating revenues of approximately \$15.172 million and total expenditures of approximately \$15.443 million including Capital Improvement and Capital Repair & Replacement Reserve contributions of approximately \$1.838 million. The projected expenditures in excess of revenues are approximately \$271,000, which will be funded from operating reserves carried over from prior years. Although this budget reflects no revenue rate adjustment for FY 2019-20, as recommended by the 2018 Water Rate Study approved by the Board on July 18<sup>th</sup>, 2018, it does reflect an expected 3.0% increase in water consumption.

Despite many non-discretionary cost increases, staff undertook exhaustive efforts to find cost reductions as well as minimize increases and these are reflected in the proposed FY 2019-20 budget. The proposed budget has an increase in total expenditures of 630,070 (4.25%) from the adopted budget for FY 2018-19. The major highlights are listed below and comparisons made are against the budgeted amounts for FY 2018-19:

- This budget reflects no revenue rate adjustment for FY 2019-20, as recommended by the 2018 Water Rate Study adopted by the Board on July 18<sup>th</sup>, 2018 but does include an expected 3.0% increase in water consumption.
- The Total Salaries and Benefit budgeted costs will increase by approximately \$165,000 (3.96%) including:
  - Non-Exempt salaries will increase by approximately \$62,000 (4.31%) due to the addition of a Customer Service Representative II position, the reclassification of a Water Distribution Operator (WDO) III position to a WDO II position, as well as merit increases for eligible employees.
  - Total salaries will increase by a 2.90% cost of living adjustment. While this year's budget includes approximately \$123,000 for Holiday Pay, \$122,000 for vacation pay and \$98,000 for personal time off pay, these reductions are being made to reflect the Exempt and Non-Exempt Salaries by like amounts.
  - Total benefits costs will increase by approximately \$112,000 (7.45%). Medical Benefits are increasing by approximately \$38,000 (5.25%), Dental/Vision/Life Insurance is increasing by approximately \$3,000 (4.91%), Retirement Benefit costs are increasing by approximately \$42,000 (11.09%), Other Post-Employment Benefits (OPEB) costs are increasing by approximately \$8,000 (4.72%) and Worker's Compensation costs is increasing by approximately \$14,000 (14.03%).

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

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- Seminars, Conventions and Travel will increase by approximately \$59 (0.12%).
- Total Office and Operational Costs will increase by approximately \$71,000 (6.21%) including:
  - Repair and Maintenance – Building is increasing by approximately \$20,000 (58.53%) primarily due to anticipated cost increase for landscaping services to all well sites, the RRWTP and the Administration Building.
  - Meter Repairs is increasing by approximately \$35,000 (115.00%) due to the anticipated meter change outs occurring in FY 2019-20.
  - Software Program and Updates is increasing by approximately \$38,000 (28.67%) due to the anticipated update to certain operational software to the most current versions.
- Purchased Water will decrease by approximately \$43,000 (1.34%). The FY 2018-19 budget was based on an estimated rate of \$1.32 per centum cubic feet (CCF) and the FY 2019-20 budget is based on an estimated rate of \$1.21 per CCF. Even with consumption projected to increase by 3.0% in FY 2019-20, the total purchased water cost is expected to decrease overall. In addition, the SCWA base charge is anticipated to remain the same at \$28.80 per account, per month.
- Outside Services for the proposed budget are increasing by approximately \$185,000 (19.01%) including:
  - Banking charges will increase by approximately \$40,000 (28.82%) due to an anticipated increase in credit card fees for customers who pay with credit cards.
  - Contracted Services will increase by approximately \$55,000 (15.16%) primarily due to anticipated consulting services related to the update of Board Policies, completion of the water shortage contingency plan, a needs assessment for Well 3 and an IT systems review.
  - Engineering costs will increase by approximately \$84,000 (84.00%) based on costs related to the unidirectional flushing program to be completed in FY 2019-20 and the possible implementation of a ground water recharge program.
  - Financial Consultants will decrease by approximately \$15,000 (60.00%) due to no anticipated need for consulting services related to financial operations.
- Equipment Rent, Taxes and Utility costs will decrease by approximately \$23,000 (5.17%) as a result of an anticipated decrease in electricity usage as the well rehabilitation programs has resulted in more efficient operations.

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

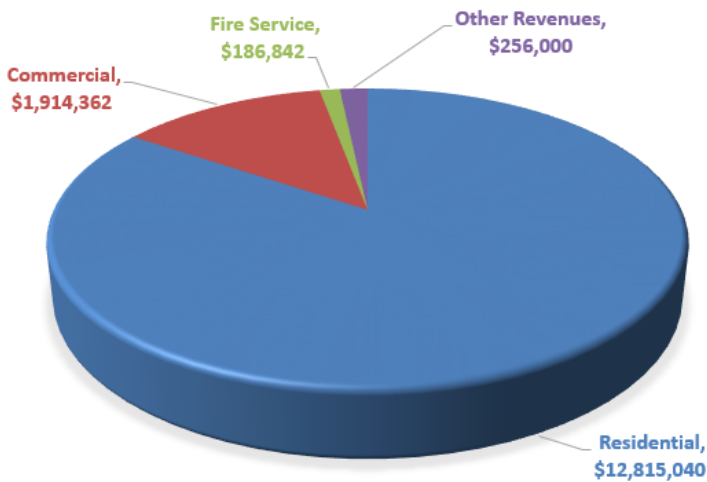
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- Capital Improvement Funding includes contributions to the Repair & Replacement Reserve, as well as the Long-Term Capital Improvement Reserve for a total of approximately \$1,838,000, which matches the total Capital Improvement Program budget for FY 2019-20.
- Bond interest expenses will decrease by approximately \$92,000 (5.26%) while bond principal retirements will increase by approximately \$95,000 (4.59%).
- There is an anticipated decrease of \$150,000 in the budget for election costs as there will be no elections taking place in FY 2019-20.
- This budget anticipates capitalizing \$424,667 of Salaries and Benefits for capital improvements constructed by the Distribution and Utility Divisions, which are funded in the Five-Year Capital Improvement Program.
- The budget, as recommended, will meet bond covenant requirements as follows:
  - Covenant – 1.38 (1.15 required)
- The Board will adopt a Five-Year Capital Improvement Program (CIP) which will only appropriate funding for the CIP projects scheduled in FY 2019-20.
- Staff has determined that Grants or Special Funding are not currently available for the EGWD. Therefore, no revenues from these income sources are included in this budget document.

**REVENUE SECTION**

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## BUDGETED REVENUES BY CATEGORY



Other Revenues include:

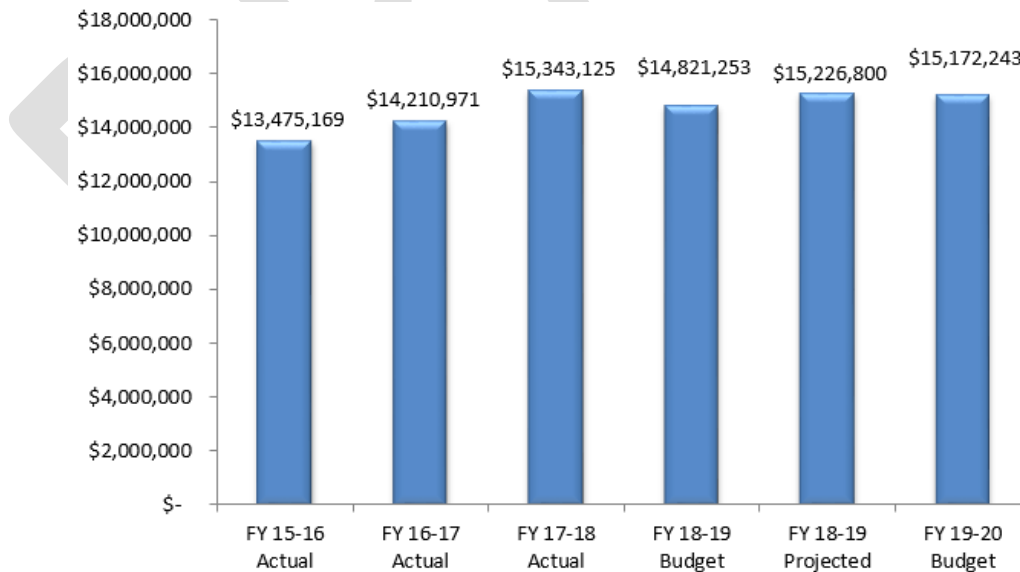
- Meter/Plan Check/Water Capacity Fees
- Door Hanger Fees
- New Account Fees
- NSF Fees
- Credit Card Fees
- Backflow Prevention Installations

Commercial Revenues Include:

- Non-Residential Revenue
- Irrigation Revenue

Note: Residential Revenue in this chart is net of customer refunds.

## TOTAL REVENUES FISCAL YEARS 2015-16 THROUGH 2019-20

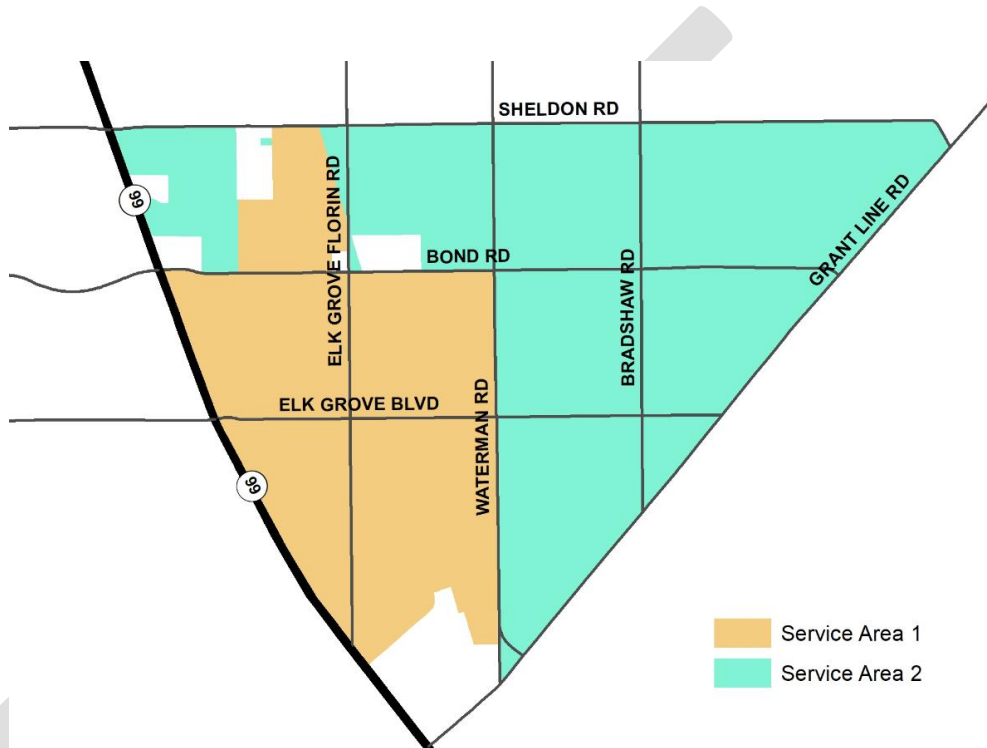


The FY 2019-20 Budget contains no revenue adjustment, as recommended in the 2018 Water Rate Study, adopted by the Board of Directors on July 18<sup>th</sup>, 2018.



## MAJOR REVENUE SOURCES

Approximately 98% of the EGWD's revenues are derived from recurring water revenues related to water consumption and availability charges. These rates are expected to remain level through FY 2020. In addition, the EGWD derives revenues from new connection fees for development within Service Area 1 of its two service areas. Connection fees for development within Service Area 2 of the EGWD's service area are paid to the SCWA.



Revenue projections are developed using a fee/rate-based projection, taking account and consumption information for the most recent twelve-month period and applying it against the current and proposed fee/rates. Depending on drought conditions, revenue projections are adjusted by what the EGWD deems to be an appropriate conservation factor and anticipated increase in water consumption as a result of the lifted drought restrictions.

### Revenue Rate Increase Projections

Utility rate setting is subject to the provisions of Proposition 218 wherein customers are provided information on proposed rate changes and are invited to attend a public hearing on the proposed changes. Proposed rate changes can be denied if a majority of ratepayers submit written protests opposing them. If a majority of ratepayers do not protest, the Board of Directors vote on the proposed rate changes and set the effective date for any proposed

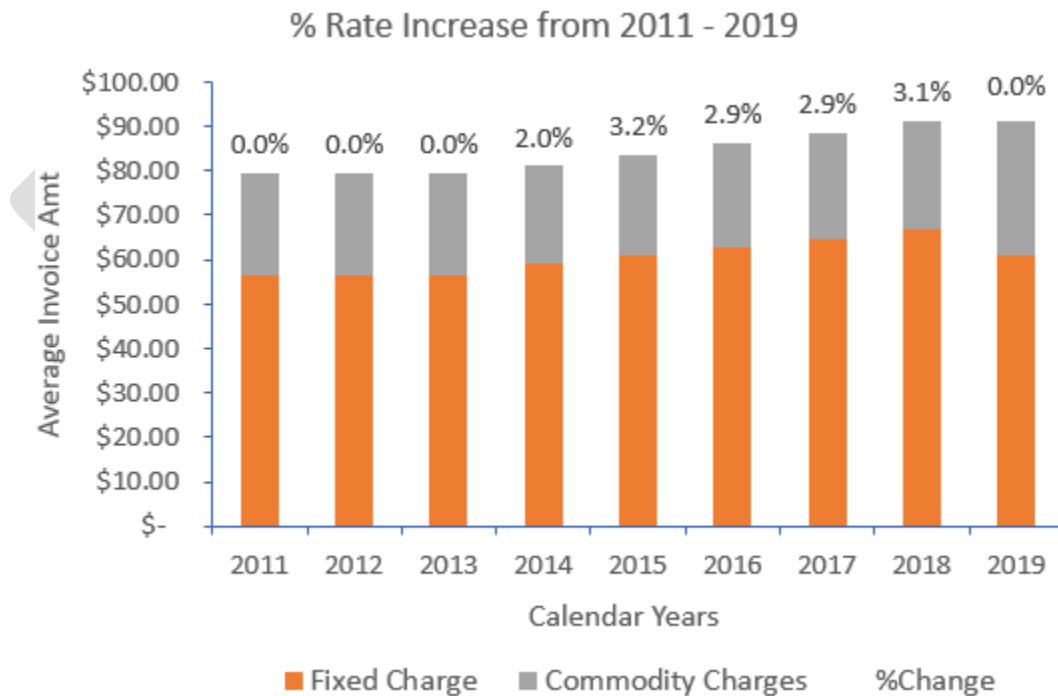
**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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and approved changes. On July 18<sup>th</sup>, 2018 the 2018 Water Rate Study was adopted by the Board with recommended revenue adjustments over the next five years beginning on January 1, 2019, as follows:

- January 1, 2019 – 0%
- January 1, 2020 – 0%
- January 1, 2021 – 3%
- January 1, 2022 – 3%
- January 1, 2023 – 3%

The table below shows the average revenue rate adjustment each calendar year since 2011 in relation to an average bill, assuming the customer is a single-family residential service customer with a 1” meter consuming 16 CCF’s of water. As can be seen, the increases in rates have been very consistent and relatively minimal. For the years with a rate increase, the increase is approximately equal to the average inflation rate. This is all made possible through prudent financial management and budgeting; however, future revenue adjustments will be necessary to fund various capital projects and to pay for increased operating cost, primarily due to inflation.



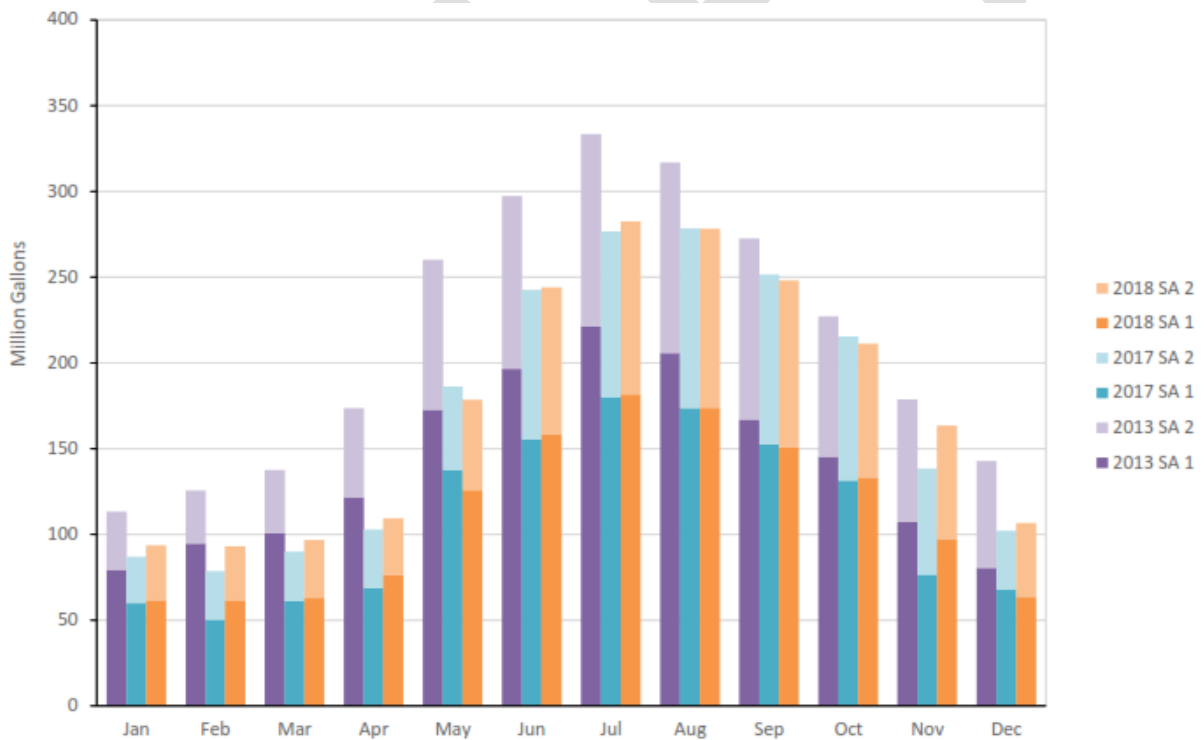
**WATER CONSUMPTION TREND**

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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Water revenues are driven by two primary factors, the amount of water sold and the rate per unit, with increases in water consumption generating more revenues to offset the increased costs of operations. The graph below shows the consumption trends for the prior two calendar years as compared to the pre-drought calendar year of 2013 and the correlation between the annual seasonal change and overall water consumption, with the highest level of consumption occurring during the summer months.

As can be seen in the graph below, the EGWD has experienced gradual increases in water consumption in 2017 and 2018, however, the total level of water consumption still has not reach the pre-drought levels of 2013. Attributable to the overall decrease in water consumption for the most recent two calendar years, as compare to the pre-drought years, is the implementation of certain water conservation efforts, such as installing water efficient appliances and landscaping, which result in long-term water use reductions.



**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

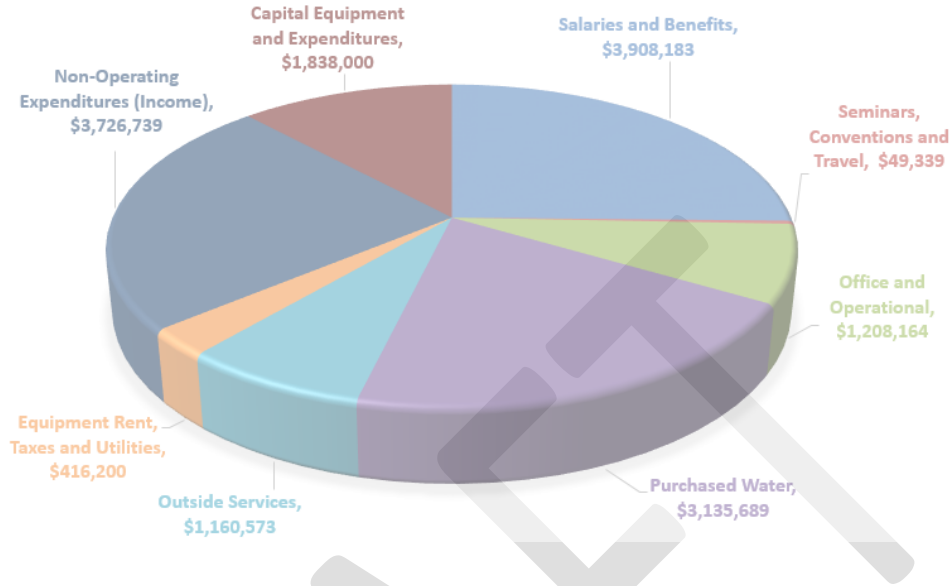
**Elk Grove Water District  
Budgeted Revenue Accounts Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
4100	Water Payment Revenues - Residential	\$11,235,110	\$12,220,127	\$12,848,104	\$12,681,621	\$12,942,127	\$ 12,816,040
4110	Water Payment Revenues - Commercial	1,700,718	1,525,449	1,831,522	1,715,768	1,774,938	1,914,362
4120	Water Payment Revenues - Fire Service	134,672	188,543	188,957	187,864	182,191	186,842
4200	Meter Fees/Plan Check/Water Capacity	197,091	72,188	240,190	30,000	51,660	30,000
4300	Backflow Install EGWD	47,107	23,948	15,116	25,000	8,497	25,000
4520	Door Hanger Fees	109,275	121,850	149,725	115,000	157,922	115,000
4540	New Account Fees	23,700	26,640	22,791	25,000	25,265	25,000
4550	NSF Fees	2,520	3,430	3,640	3,000	2,952	3,000
4570	Shut-off Fees	43,050	51,425	63,166	50,000	70,306	50,000
4580	Credit Card Fees	8,009	8,480	10,000	8,000	11,468	8,000
4900	Customer Refunds	(26,083)	(31,109)	(30,086)	(20,000)	(524)	(1,000)
	Total Revenues	\$13,475,169	\$14,210,971	\$15,343,125	\$14,821,253	\$15,226,800	\$ 15,172,243

**EXPENDITURE SECTION**

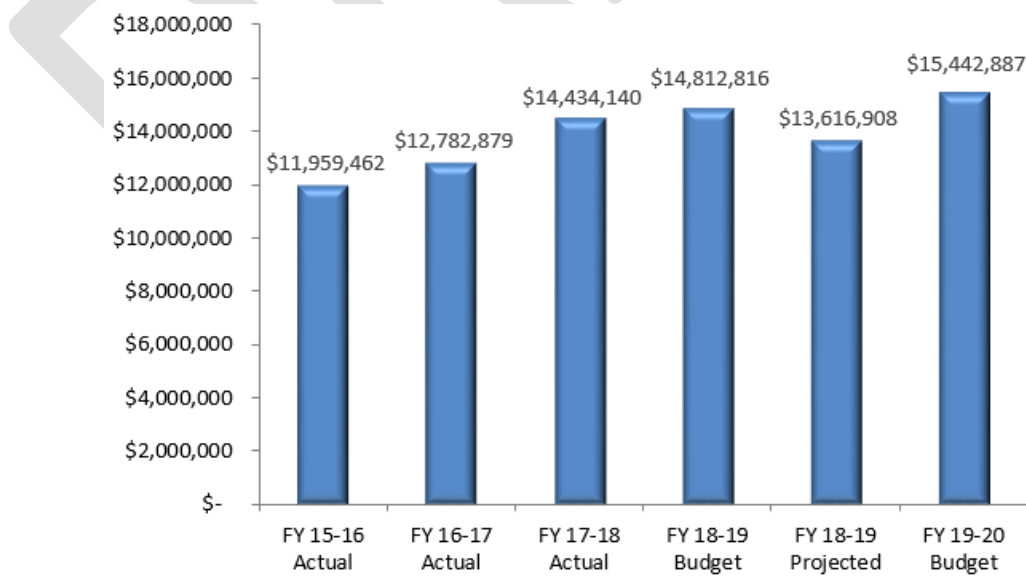
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## BUDGETED EXPENDITURES BY CATEGORY



Note: Total Salaries and Benefits Expenditures are net of capitalized labor costs of \$424,667, which is included in total Capital Equipment and Expenditures.

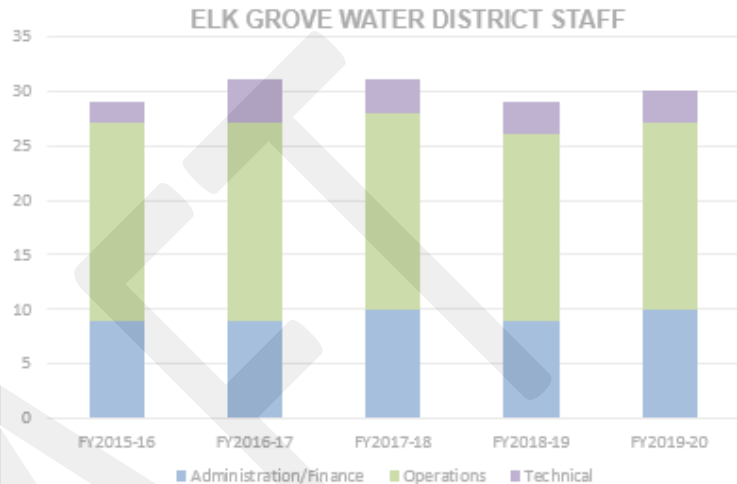
## TOTAL NET EXPENDITURES FISCAL YEARS 2015-16 THROUGH 2019-20



## SALARIES AND BENEFITS FISCAL YEARS 2015-16 THROUGH 2019-20

Aside from the cost of water purchased from the SCWA for the EGWD’s Service Area 2 and debt service payments, Salaries and Benefits represent the largest expense of the EGWD.

Staffing levels at the EGWD has remained relatively unchanged. In FY 2018-19, the Board of Directors approved freezing one Water Distribution Operator II position and eliminating two Customer Service Representative positions. For FY 2019-20, the Board has approve unfreezing the Water Distribution Operator II position and adding one Customer Service Representative II position. The EGWD also provides a cost of living adjustment (COLA) annually based on the average of the U.S. City Average, West Urban Size B/C and San Francisco-Oakland-San Jose, CA indices. The COLA for FY 2019-20 is 2.90%.



### Employee Cost Control Program

During FY 2012, EGWD staff developed an Employee Cost Control Program (ECCP) that helped reduce and control employee costs by obtaining savings through selected employee concessions, including, freezing certain full-time equivalent (FTE) positions, a phase in reduction of the employer portion of employee retirement contributions and placing a cap on the amount of employer paid health premiums. To offset these concessions, the EGWD created an alternative 9/80 work schedule and established a permanent disability retirement benefit program. The ECCP has resulted in a compounding cumulative cost savings of approximately \$2.5 million since its implementation.

### Pension and other Post-Employment benefits

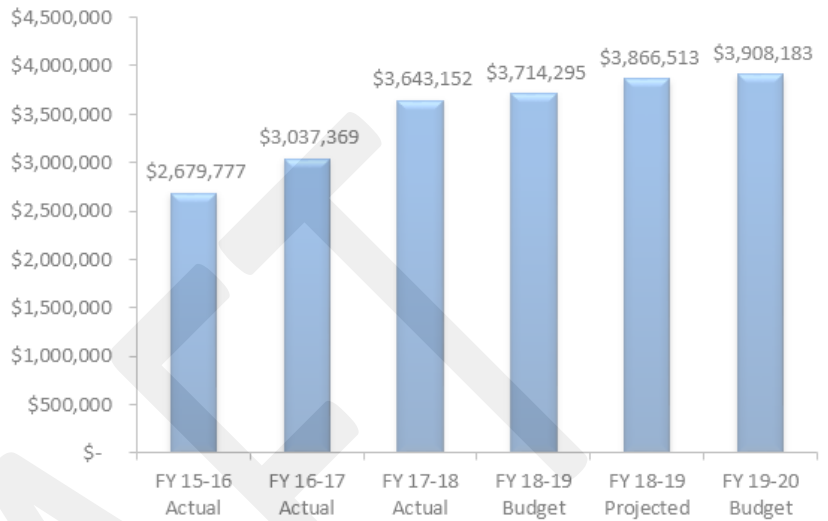
The EGWD’s retirement program remains with the California Public Employees Retirement System (CalPERS). The EGWD currently pays the employer costs and a portion (one percent) of the employees’ tax-deferred member contributions to the system monthly. The EGWD provides post-employment healthcare benefits to retirees and their dependents. Four retired employees receive these benefits, which are financed through a trust fund that the EGWD funds on an annual basis. The EGWD pays the medical, dental, and vision insurance premiums

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

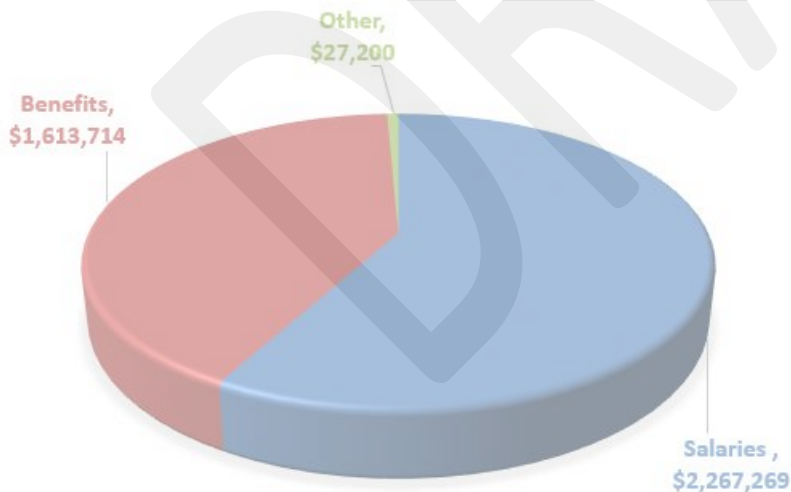
for eligible employees (and qualified spouse) that are enrolled in the health insurance plan. The current requirements for eligibility are: attaining age 55, having at least fifteen years of continuous service, and retiring from the EGWD.

The following tables show the trend in salaries and benefits in comparison to prior years, as well as the breakout of the current proposed budgeted salaries and related components.

**SALARIES AND BENEFITS**



**NET SALARIES AND BENEFITS \$3,908,183\***



The Other Expenditure Categories include:

- Employee Training
- Employee Recognition
- Meetings

\*The total Salaries and Benefits are net of capitalized labor costs of \$424,667 for capital improvements constructed by the Distribution and Utility Departments.



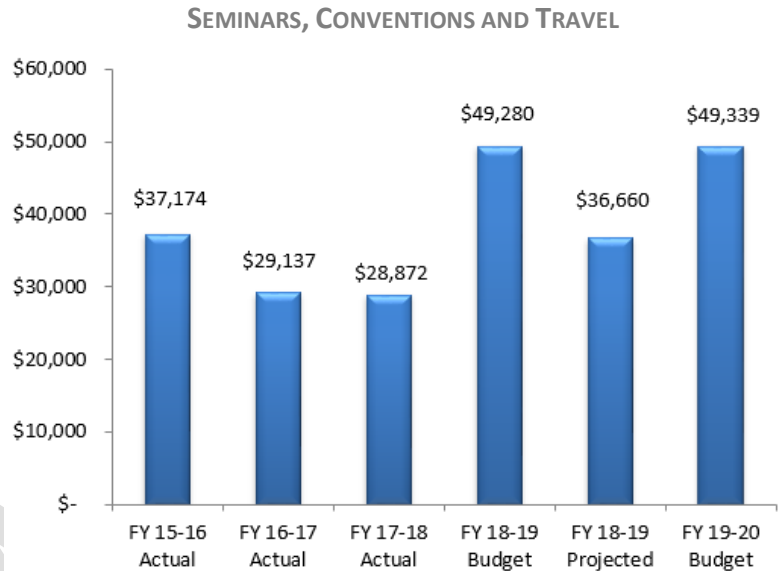
Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

**Elk Grove Water District  
Budgeted Salaries and Benefits Accounts Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
5100	Executive Salary	\$ 162,686	\$ 163,831	\$ 151,934	\$ 201,602	\$ 168,081	\$ 208,444
5110	Exempt Salaries	486,577	511,040	525,448	533,379	564,157	568,146
5120	Non-Exempt Salaries	1,093,622	1,200,261	1,295,333	1,437,510	1,369,297	1,499,539
5130	Overtime Compensation	44,308	39,278	60,799	56,000	41,524	55,000
5140	On Call Pay	18,326	18,199	18,200	18,250	17,100	18,250
5150	Holiday Pay	84,992	104,736	109,632	117,871	121,805	122,535
5160	Vacation Pay	127,130	129,244	159,232	147,716	161,036	121,994
5170	Personal Time Pay	77,581	110,052	105,387	104,797	105,934	98,028
5180	Internship Program	-	-	-	15,000	-	-
5200	Medical Benefits	527,568	568,711	593,653	726,388	720,136	764,556
5195	EAP	842	825	825	834	902	863
5201	EGWD Contribution H.S.A	10,400	13,149	13,352	15,000	13,251	20,000
5210	Dental/Vision/Life Insurance	48,672	50,227	52,337	62,858	66,883	65,946
5220	Retirement Benefits	261,030	247,260	524,139	375,521	398,225	417,176
5225	Retirement Benefits - Post Employment	93,767	243,577	131,063	160,110	152,885	167,670
5230	Medical Tax, Social Security and SUI	44,123	45,154	46,990	60,551	54,140	62,791
5240	Worker's Compensation Insurance	86,261	94,085	114,479	100,595	82,288	114,712
5250	Education Assistance	9,069	17,062	2,566	2,500	-	2,500
5260	Employee Training	9,760	7,286	13,697	27,550	20,107	21,500
5270	Employee Recognition	1,886	1,577	3,530	2,750	3,002	2,100
5280	Meetings	415	167	189	1,030	74	1,100
	Less Capitalized Labor	(509,238)	(528,352)	(279,633)	(453,517)	(194,315)	(424,667)
		\$2,679,777	\$3,037,369	\$3,643,152	\$3,714,295	\$3,866,513	\$ 3,908,183

## SEMINARS, CONVENTIONS AND TRAVEL FISCAL YEARS 2015-16 THROUGH 2019-20

Seminars, Conventions and Travel expenditures are budgeted based on the anticipated travel to and from various conferences and seminars. It is in the best interest of the EGWD to invest in the employees to allow them to stay current and educated about activities, developments, and professional trends affecting their ability to provide high-quality job performance, which includes external and internal customer service. As such, travel to attend hearings, meetings, conferences, or other gatherings is of value to the EGWD and its rate payers. The two major conferences that EGWD staff attend are the semi-annual Association of California Water Associations (ACWA) conferences and the annual California Society of Municipal Finance Officers (CSMFO) conference. As can be seen by the table above, seminars, conventions and travel expenditures have remained relatively consistent from year to year with no major increases expected in FY 2019-20.

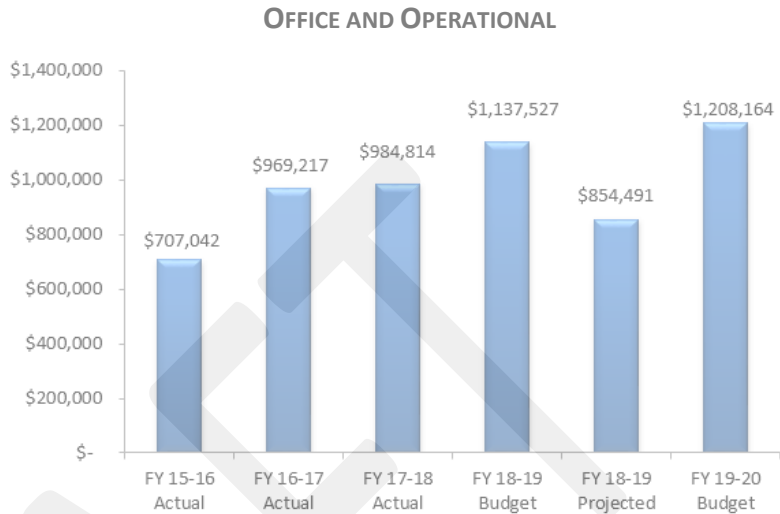


**Elk Grove Water District  
Budgeted Seminars, Conventions and Travel Accounts Detail  
For the Fiscal Year ending June 30, 2020**

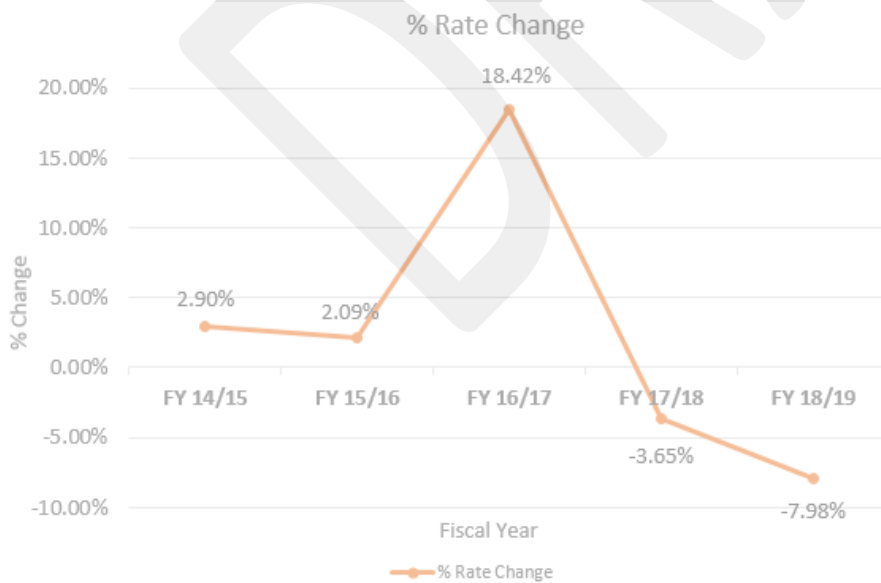
Account#	Description	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 18-19	FY 2019-20
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5300	Airfare	\$ 2,273	\$ 2,100	\$ 1,685	\$ 6,100	\$ 2,536	\$ 5,750
5310	Hotels	11,836	7,431	5,022	14,200	9,319	14,352
5320	Meals	6,477	3,315	3,282	5,430	4,381	5,842
5330	Auto Rental	1,488	10	-	1,900	448	1,900
5340	Seminars & Conferences	8,540	7,184	9,109	10,800	12,313	13,615
5345	Seminars & Conferences - Board	-	1,807	2,197	2,800	725	-
5350	Mileage Reimbursement, Parking, Tolls	1,680	1,290	1,577	2,050	938	1,880
5375	Auto Allowance	4,880	6,000	6,000	6,000	6,000	6,000
		<u>\$ 37,174</u>	<u>\$ 29,137</u>	<u>\$ 28,872</u>	<u>\$ 49,280</u>	<u>\$ 36,660</u>	<u>\$ 49,339</u>

## OFFICE AND OPERATIONAL AND PURCHASED WATER FISCAL YEARS 2015-16 THROUGH 2019-20

Office and Operational expenditures are budgeted to cover administrative costs such as repairs and maintenance of equipment, buildings and computers, purchases of chemicals for water treatment, postage, printing and association dues. These costs allow the EGWD to continue to operate and maintain the water system and to continue to provide water services to its ratepayers. As can be seen by the table to the right, office and operational expenditures have remained relatively consistent from year to year with no major increases expected in FY 2019-20.



Through the First Amended and Restated Master Water Agreement between Sacramento County Water Agency and Florin Resource Conservation District/Elk Grove Water District, entered into on June 28<sup>th</sup>, 2002, the EGWD has agreed to purchase, on a wholesale basis, potable water supply from the SCWA. The purchased water from the SCWA is used to supply the EGWD Service Area 2 ratepayers with their water source. Under the general terms of the agreement, the cost of the wholesale purchased water supply is based on a rate as determined by the actual cost of procurement, extraction, diversion, treatment and

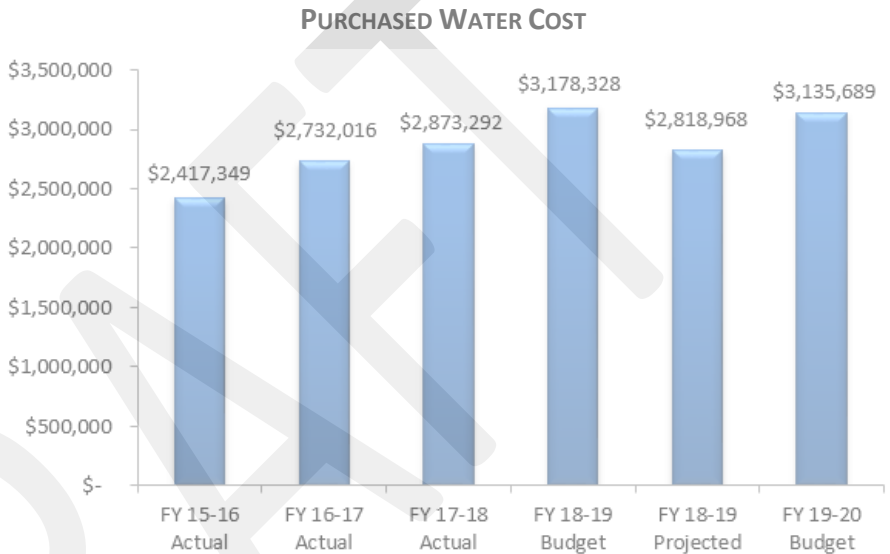


Under the general terms of the agreement, the cost of the wholesale purchased water supply is based on a rate as determined by the actual cost of procurement, extraction, diversion, treatment and

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

conveyance of potable water actually delivered to the EGWD. The table on the previous page shows the trend in the wholesale purchase water rate since FY 14-15. The percentage change in the wholesale purchase water rate is a direct correlation to the conservation efforts during the drought in FY 2014. As drought restrictions from FY 2014 to 2016 resulted in less water delivered to the EGWD and operational and maintenance costs remained stable, there was an overall increase to the wholesale purchase water rate. When drought restrictions were lifted in FY 2017, the gradual increase in water consumption resulted in an increase of purchased water delivered to the EGWD, resulting in a decrease to the wholesale purchased water rate.

The table to the right shows the total annual purchased water costs since FY 2015-16. Purchased water cost has continued to increase slightly from year to year as drought restrictions have been lifted. For FY 2019-20, the EGWD expects to see water consumption and delivery continue to increase slightly, consistent with prior year trends.



Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

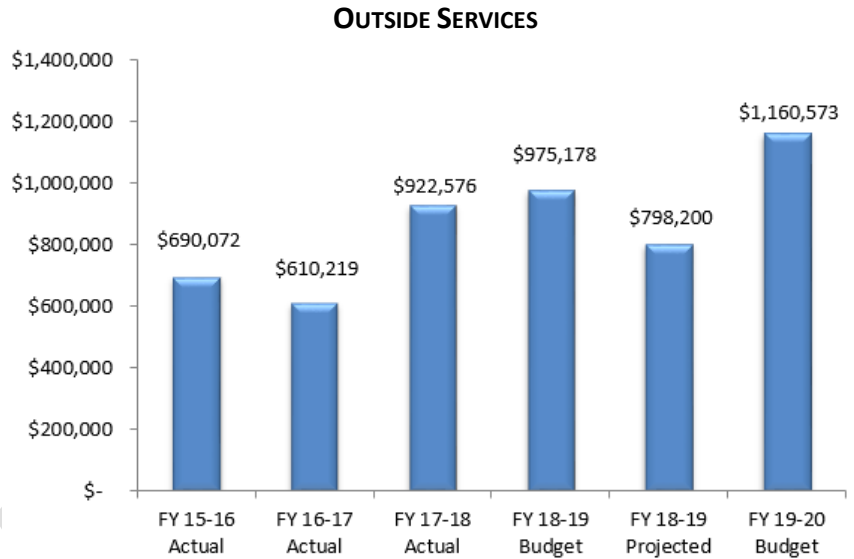
Elk Grove Water District  
Budgeted Office and Operational Accounts Detail  
For the Fiscal Year ending June 30, 2020

Account#	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
5410	Advertising	\$ 8,129	\$ 6,420	\$ 10,615	\$ 6,000	\$ 4,224	\$ 3,500
5415	Association Dues	66,881	77,585	79,874	124,544	118,146	122,013
5420	Insurance	74,280	125,199	86,006	86,533	50,132	88,450
5425	Licenses, Certifications, Fees	3,305	3,147	2,154	3,185	2,525	6,140
5430	Repairs & Maintenance - Automotive	32,122	48,093	38,236	47,500	29,857	46,500
5432	Repairs & Maintenance - Building	10,963	25,902	29,902	34,000	25,002	53,900
5434	Repairs & Maintenance - Computers	25,235	33,518	21,208	30,000	32,810	22,630
5435	Repairs & Maintenance - Equipment	58,482	51,231	97,388	114,000	83,353	119,500
5438	Fuel	33,684	34,033	40,128	51,000	34,816	51,000
5440	Materials	63,612	157,244	122,500	125,000	73,318	125,000
5445	Chemicals	13,886	19,507	42,494	60,000	31,690	52,000
5450	Meter Repairs	7,870	6,563	27,055	30,000	76,888	64,500
5453	Permits	35,250	93,895	83,498	55,050	47,486	55,050
5455	Postage	64,104	65,102	76,355	76,700	44,178	70,200
5460	Printing	7,909	6,686	10,514	17,100	8,915	24,600
5465	Safety Equipment	4,149	13,164	7,633	31,450	5,906	27,200
5470	Software Programs & Updates	99,326	103,776	105,785	133,261	98,637	171,469
5475	Supplies	28,580	22,191	32,351	33,000	22,349	31,000
5480	Telephone	39,976	36,395	39,030	41,004	32,041	37,704
5485	Tools	6,802	22,877	5,370	10,000	11,689	10,000
5490	Clothing Allowance	9,440	9,691	8,206	9,200	7,129	7,700
5491	EGWD - Other Clothing	9,188	6,998	6,223	9,000	6,100	13,108
5493	Water Conservation Materials	3,869	-	12,289	10,000	7,301	5,000
		707,042	969,217	984,814	1,137,527	854,491	1,208,164
5495	Purchased Water	\$ 2,417,349	\$ 2,732,016	\$ 2,873,292	\$ 3,178,328	\$ 2,818,968	\$ 3,135,689

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

## OUTSIDE SERVICES FISCAL YEARS 2015-16 THROUGH 2019-20

Outside Services expenditures consist mostly of outside professional services, such as banking services, engineering services, contracted services, pre-employment medical services and legal services. EGWD utilizes specialized outside service firms and professionals to assist in the development of various technical studies and projects. An example of such a technical study would be the use of HDR Engineering Inc. in FY 2018 to complete the 5-year water rate study that was adopted by the Board on July 18, 2018, setting forth the planned revenue rate increases for the next 5 years. The EGWD expects outside services to remain consistent with no major increases to this expenditure category.

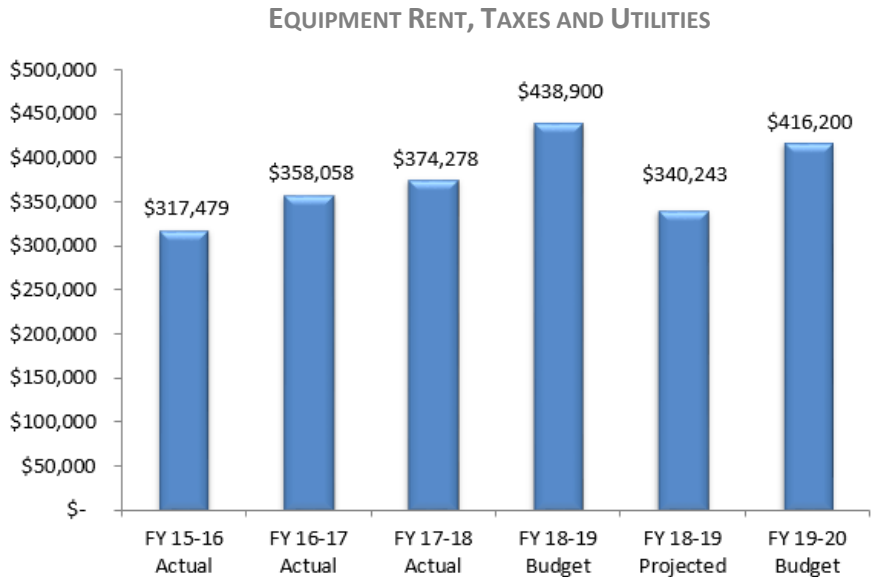


**Elk Grove Water District  
Budgeted Outside Services Accounts Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 18-19	FY 2019-20
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5505	Administration Services	\$ 5,357	\$ 1,480	\$ 3,200	\$ 3,590	\$ 3,984	\$ 3,590
5510	Bank Charges	82,979	106,873	132,426	138,808	162,185	178,808
5515	Billing Services	26,329	24,694	23,597	28,800	20,624	31,800
5520	Contracted Services	271,147	266,148	297,891	361,780	302,905	416,625
5523	Water Conservation Services	38,921	-	-	-	-	-
5525	Accounting Services	34,428	24,553	25,536	35,000	22,260	35,000
5530	Engineering	53,266	10,188	21,858	100,000	74,514	184,000
5535	Legal Services	113,798	76,958	192,023	175,000	123,025	175,000
5540	Financial Consultants	0	13,427	112,879	25,000	12,505	10,000
5545	Community Relations	15,410	15,894	8,679	16,200	8,608	21,200
5552	Misc. Medical	1,516	475	2,548	1,500	2,802	2,500
5550	Pre-employment	493	343	425	1,000	-	1,000
5555	Janitorial	6,180	6,685	7,015	9,950	6,900	16,000
5560	Bond Administration	12,042	6,782	4,220	7,050	3,800	7,050
5570	Security	7,857	12,444	51,049	22,000	22,372	28,500
5575	Sampling	18,549	43,275	39,230	49,500	31,716	49,500
5580	Board Secretary/Treasurer	1,800	-	-	-	-	-
		<u>\$ 690,072</u>	<u>\$ 610,219</u>	<u>\$ 922,576</u>	<u>\$ 975,178</u>	<u>\$ 798,200</u>	<u>\$ 1,160,573</u>

## EQUIPMENT RENT, TAXES AND UTILITIES FISCAL YEARS 2015-16 THROUGH 2019-20

Equipment, Rent, Taxes and Utilities are budgeted to cover the cost of utilities to extract, treat and pump the water supply to ratepayers. With the rising cost for most utilities and the expected gradual increase in water consumption, the EGWD is expecting to see an increase in this expenditure category. To assist in improving or maintaining operational efficiencies and keep operating costs low, the EGWD has installed a variable frequency drive (VFD) on the booster pump that delivers treated drinking water to our customers. The VFD provides an energy savings by matching pump motor load to the work needed for water delivery instead of always running the pump at peak load. The EGWD also has an ongoing well rehabilitation program where it monitors the efficiencies of each water well. Over time, well screens plug up, making well pumping operations inefficient. EGWD rehabilitates its water wells when certain inefficient thresholds are reached, thereby returning the wells to efficient operations.

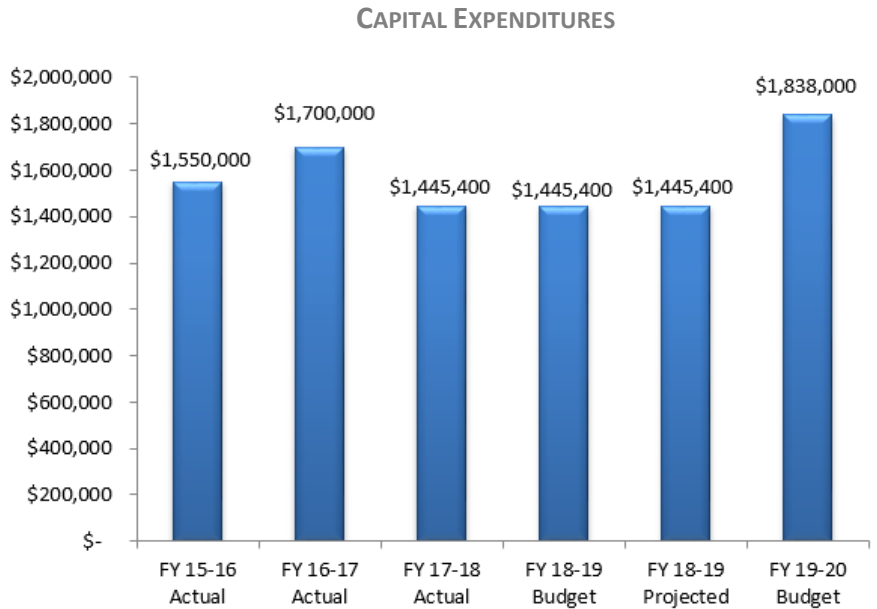


**Elk Grove Water District  
Budgeted Rents, Taxes and Utilities Accounts Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
5620	Equipment Rental	\$ 13,493	\$ 20,771	\$ 23,266	\$ 19,800	\$ 14,831	\$ 17,800
5710	Property Taxes	1,328	1,299	959	1,500	1,116	1,500
5740	Electricity	284,865	314,161	320,004	384,000	301,306	362,000
5750	Natural Gas	425	601	517	600	898	900
5760	Sewer & Garbage	17,368	21,226	29,532	33,000	22,092	34,000
		<b>\$ 317,479</b>	<b>\$ 358,058</b>	<b>\$ 374,278</b>	<b>\$ 438,900</b>	<b>\$ 340,243</b>	<b>\$ 416,200</b>

## CAPITAL EXPENDITURES FISCAL YEARS 2015-16 THROUGH 2019-20

Fiscal year 2019-20 Capital Expenditures consist of funding for Repair & Replacement and Long-term Capital Improvement based on the FY 2020-24 CIP. The CIP is developed by staff in parallel to the budget and is a key component of the EGWD's Strategic Plan. Annually, Staff will identify projects to be included in the CIP. Each project is defined in the CIP and summarized by a brief description and justification. Each project is detailed by location, timing, expenditure schedule, funding source, useful life and impact on operating costs. Before the CIP is completed, it is reviewed to ensure the financial elements are consistent with the EGWD's financial policies. The EGWD's current approach to capital funding is pay as you go. The expenditures for the capital projects, identified by Staff to be included in the CIP, are included in the budget. The table on the next page lists the capital projects included in the FY 2020-24 CIP and budgeted for in the current year proposed budget.



**Elk Grove Water District  
Budgeted Capital Expenses Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 15-16 Actual	FY 16-17 Actual	FY 17-18 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
3560	Repair & Replacement Reserve	\$ 851,472	\$ 700,000	\$ 626,000	\$ 429,000	\$ 429,000	\$ 1,408,000
3565	L-T Capital Improvement Reserve	698,528	1,000,000	1,130,000	1,016,400	1,016,400	430,000
		<u>\$1,550,000</u>	<u>\$1,700,000</u>	<u>\$1,756,000</u>	<u>\$1,445,400</u>	<u>\$1,445,400</u>	<u>\$ 1,838,000</u>



## FY 2019-20 CAPITAL PROJECTS LISTING

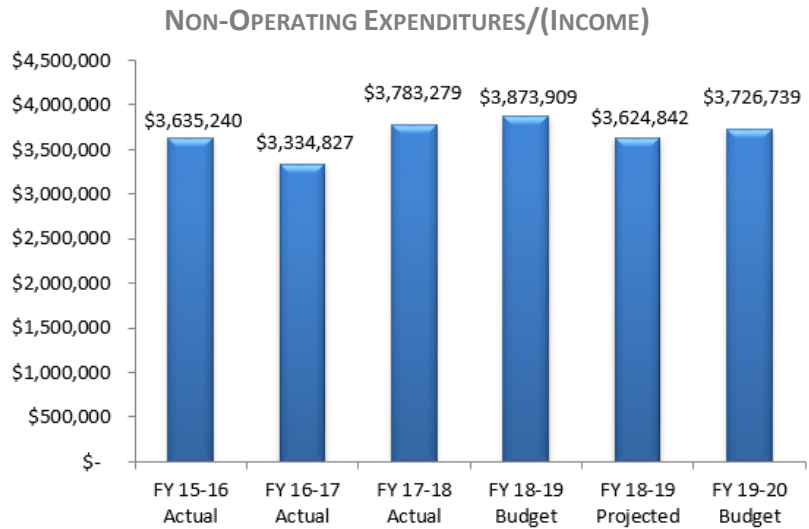
AMOUNT IN 000's

PROJECT NAME	FY19/20
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>	
Well Rehabilitation Program	\$ 98
Backyard Water Mains/Services Replacement	1,240
<b>TREATMENT IMPROVEMENTS</b>	
Well 3 Pump Replacement	125
Well 4D Radio Antenna	30
RRWTF Variable Frequency Drives	75
<b>BUILDING &amp; SITE IMPROVEMENTS / VEHICLES</b>	
Truck Replacements	120
HVWTP Roof Replacement	20
I.T. Servers	30
<b>UNFORESEEN CAPITAL PROJECTS</b>	
Unforeseen Capital Projects	100
<b>TOTAL</b>	<b>\$ 1,838</b>



## NON-OPERATING EXPENDITURES (REVENUES) FISCAL YEARS 2015-16 THROUGH 2019-20

Non-Operating Expenditures/(Income) account for debt service interest and principal payments, elections costs and any interest earned on investments. The EGWD expects the expenditures/(incomes) in this category to remain relatively consistent with prior years.



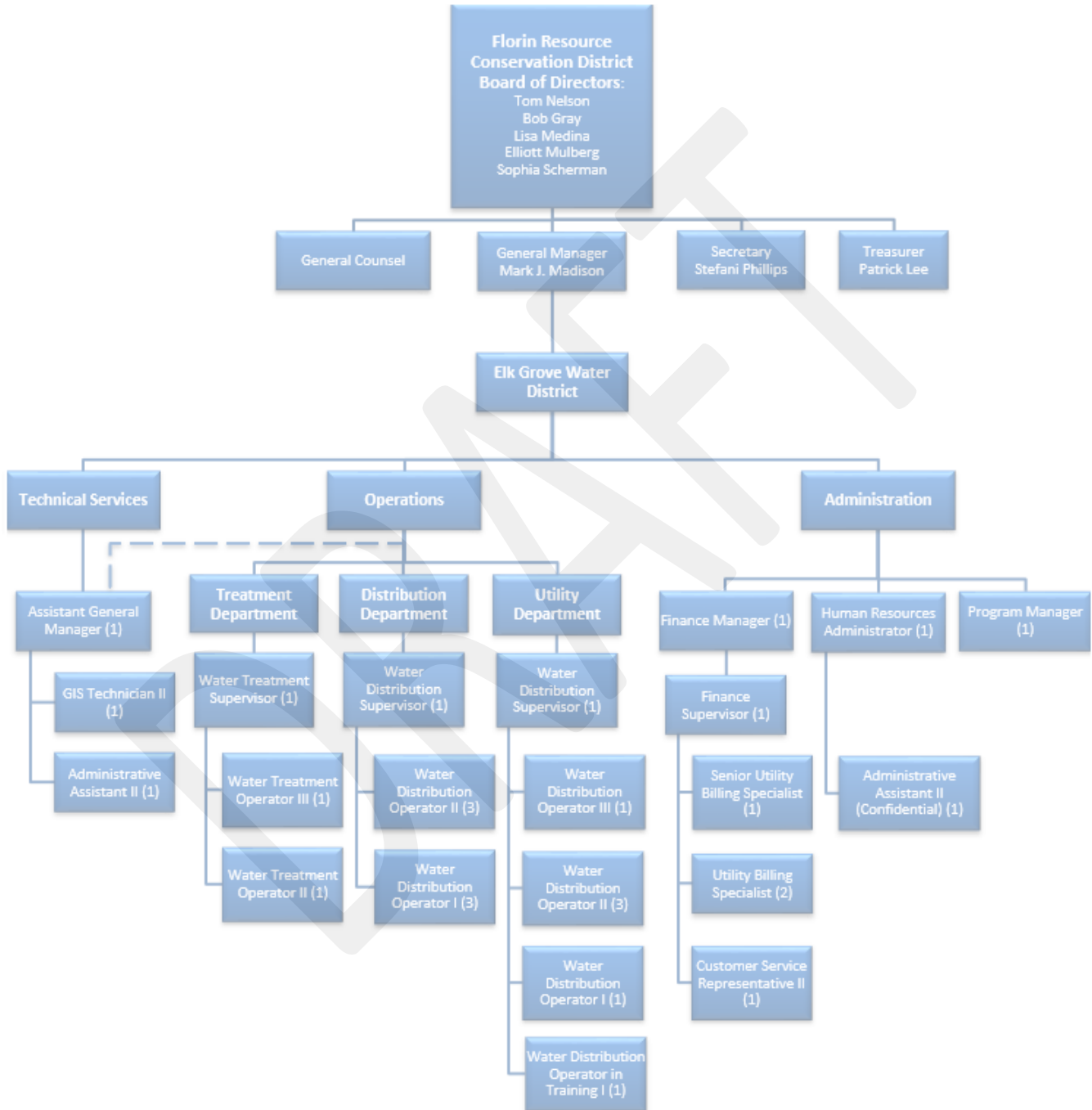
**Elk Grove Water District  
Budgeted Non Operating Activity Detail  
For the Fiscal Year ending June 30, 2020**

Account#	Description	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Actual	FY 18-19 Budget	FY 18-19 Projected	FY 2019-20 Requested Budget
7300	Debt Service (Bond Interest Expense)	\$ 2,225,240	\$ 1,868,979	\$ 1,807,502	\$ 1,753,909	\$ 1,753,909	\$ 1,661,739
9920	Other Expenses (Income)	-	(54,451)	91,661	-	(18,005)	-
2500	Bond Retirement	1,430,000	1,440,000	1,990,000	2,070,000	2,070,000	2,165,000
9910	Interest Earned	(20,000)	(46,228)	(105,884)	(100,000)	(183,070)	(100,000)
9950	Election Costs	-	126,527	-	150,000	2,008	-
		<u>\$ 3,635,240</u>	<u>\$ 3,334,827</u>	<u>\$ 3,783,279</u>	<u>\$ 3,873,909</u>	<u>\$ 3,624,842</u>	<u>\$ 3,726,739</u>

**ORGANIZATIONAL AND BUDGET  
SUMMARIES BY DEPARTMENT**

DRAFT

## ELK GROVE WATER DISTRICT ORGANIZATION CHART



**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

## ELK GROVE WATER DISTRICT STAFF FTE

	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
<b>Administration &amp; Finance</b>					
General Manager	1.00	1.00	1.00	1.00	1.00
Finance Manager	1.00	1.00	1.00	1.00	1.00
Management Analyst	1.00	-	-	-	-
Program Manager	-	1.00	1.00	1.00	1.00
Human Resources Specialist	1.00	-	-	-	-
Human Resources Administrator	-	1.00	1.00	1.00	1.00
Administrative Assistant II	1.00	1.00	1.00	1.00	1.00
Finance Supervisor	1.00	1.00	1.00	1.00	1.00
Senior Utility Billing Specialist	1.00	1.00	1.00	1.00	1.00
Utility Billing Specialist	-	1.00	1.00	2.00	2.00
Customer Service Representative I	-	-	1.00	-	-
Customer Service Representative II	2.00	1.00	1.00	-	1.00
<b>Department Total</b>	<b>9.00</b>	<b>9.00</b>	<b>10.00</b>	<b>9.00</b>	<b>10.00</b>
<b>Technical Services</b>					
Assistant General Manager	-	1.00	1.00	1.00	1.00
Associate Civil Engineer (Frozen)	1.00	1.00	-	-	-
Administrative Assistant II	-	1.00	1.00	1.00	1.00
GIS Technician I	1.00	-	-	-	-
GIS Technician II	-	1.00	1.00	1.00	1.00
<b>Department Total</b>	<b>2.00</b>	<b>4.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>
<b>Operations</b>					
Foremen	3.00	-	-	-	-
Supervisors	-	3.00	3.00	3.00	3.00
Water Distribution Operator in Training	1.00	1.00	-	-	1.00
Water Distribution Operator I	5.00	5.00	6.00	6.00	4.00
Water Distribution Operator II	5.00	4.00	4.00	3.00	6.00
Water Distribution Operator III	2.00	3.00	3.00	3.00	1.00
Water Treatment Operator II	1.00	1.00	1.00	1.00	1.00
Water Treatment Operator III	1.00	1.00	1.00	1.00	1.00
<b>Departmental Total</b>	<b>18.00</b>	<b>18.00</b>	<b>18.00</b>	<b>17.00</b>	<b>17.00</b>
<b>Organizational Total</b>	<b>29.00</b>	<b>31.00</b>	<b>31.00</b>	<b>29.00</b>	<b>30.00</b>

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

## JURISDICTIONAL COMPARISON

District	Elk Grove Water District (EGWD)	Carmichael Water District	San Juan Water District
<b>Year Established</b>	1953	1916	1854
<b>Governed By</b>	Board of Directors	Board of Directors	Board of Directors
<b>Size</b>	13 sq miles	8 sq miles	17 sq miles
<b>Number of Connections</b>	12500	11693	10673
<b>Number of Customers</b>	45000	37897	29704
<b>Budget Comparison - Fiscal Year Basis</b>	July-June	July-June	July-June
<b>Revenues - FY 2018-19 Budget</b>			
Retail Water Sales	\$ 14,585,253	\$ 11,540,700	\$ 11,479,700
Other Revenues	236,000	113840	1755500
<b>TOTAL REVENUE BUDGET</b>	<b>\$ 14,821,253</b>	<b>\$ 11,654,540</b>	<b>\$ 13,235,200</b>
<b>Expenditures - FY 2018-19 Budget</b>			
Personnel Costs	\$ 3,714,295	\$ 3,523,217	\$ 4,720,300
Operating Costs	5,779,212	4,341,451	3,095,300
Non-Operating Costs	3,873,909	2,826,350	3,648,100
<b>EXPENDITURE BUDGET</b>	<b>\$ 13,367,416</b>	<b>\$ 10,691,018</b>	<b>\$ 11,463,700</b>
<b>CAPITAL BUDGET</b>	<b>\$ 1,445,400</b>	<b>\$ 2,442,501</b>	<b>\$ 6,014,100</b>
<b>TOTAL EXPENDITURE BUDGET</b>	<b>\$ 14,812,816</b>	<b>\$ 13,133,519</b>	<b>\$ 17,477,800</b>
<b>REVENUES IN EXCESS OF EXPENDITURES</b>	<b>\$ 8,437</b>	<b>\$ (1,478,979)</b>	<b>\$ (4,242,600)</b>
<b>OUTSTANDING DEBT</b>	<b>\$ 42,075,000</b>	<b>\$ 20,964,732</b>	<b>\$ 35,300,000</b>
<b>FTE</b>	<b>29</b>	<b>29</b>	<b>47</b>

Note: The information above is based on FY 2018-19 approved budgets for each District. Both the Carmichael and San Juan Water Districts generate revenue from sources other than retail water sales. For comparison purposes, revenues and expenditures reflected above include only the portion applicable to retail water sales.

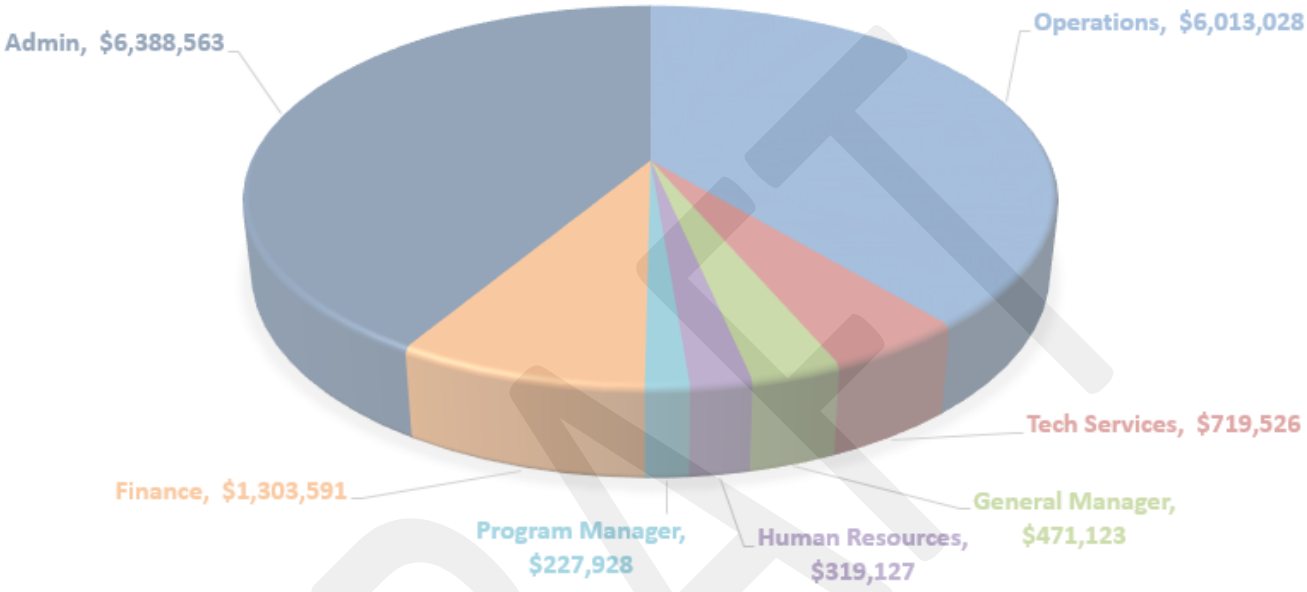
**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

**Elk Grove Water District  
Summary by Departments  
For the Fiscal Year ending June 30, 2020**

Expenditure	Operations	Technical Services	General Manager	Human Resources	Program Manager	Finance	Admin	Total Budget
Revenues								\$ 15,172,243
Salaries and Benefits	\$ 2,098,739	\$ 413,441	\$ 270,258	\$ 273,937	\$ 149,208	\$ 959,596	\$ 167,670	\$ 4,332,850
Seminars, Conventions and Travel	5,974	6,450	19,195	4,900	4,220	8,600	-	49,339
Office and Operational	709,408	90,635	470	3,200	38,000	79,787	286,664	1,208,164
Purchased Water	3,135,689	-	-	-	-	-	-	3,135,689
Outside Services	102,885	209,000	181,200	37,090	36,500	255,608	338,290	1,160,573
Equipment Rent, Taxes and Utilities	385,000	-	-	-	-	-	31,200	416,200
Subtotal Operational Expenditures	6,437,695	719,526	471,123	319,127	227,928	1,303,591	823,824	10,302,815
Less: Capitalized Labor	(424,667) *	-	-	-	-	-	-	(424,667)
Total Operational Expenses	6,013,028	719,526	471,123	319,127	227,928	1,303,591	823,824	9,878,148
Non-Operating Expenditures (Income)	-	-	-	-	-	-	3,726,739	3,726,739
Capital Equipment and Expenditures	-	-	-	-	-	-	1,838,000	1,838,000
Total Net Expenditures	\$ 6,013,028	\$ 719,526	\$ 471,123	\$ 319,127	\$ 227,928	\$ 1,303,591	\$ 6,388,563	\$ 15,442,887
Revenues In Excess of Expenditures, Principal Retirement and Capital Expenditures								\$ (270,643)

\* This represents approximately 70% of salaries and benefits of the Utility Division which will be charged to Capital Projects.

### EXPENDITURES BY DEPARTMENTS





Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

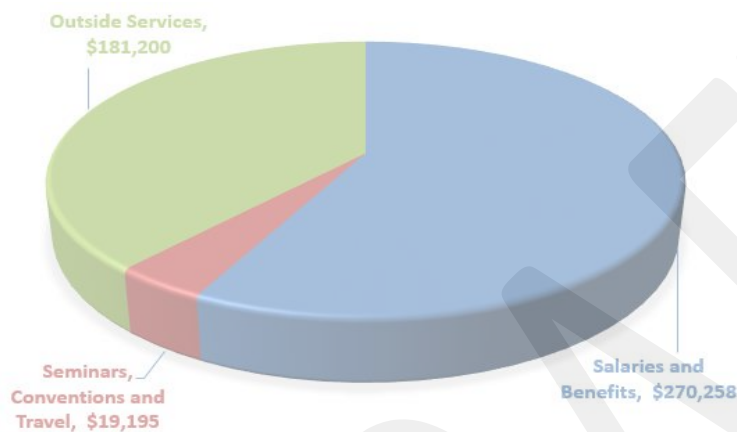
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## OFFICE OF THE GENERAL MANAGER

The General Manager superintends the FRCD/EGWD, ensuring that the policies and directives of the Board of Directors are carried out as assigned. The General Manager leads the entire staff with a subset of managers informally called the Leadership Team.

### FY 2019-20 GENERAL MANAGER EXPENDITURES



### FY 2019-20 GOALS AND OBJECTIVES GENERAL OBJECTIVES

- Provide leadership to ensure that EGWD's overall mission and values are accomplished.
- Provide the Board of Directors timely support and information.
- Ensure that all water facilities and programs are operated in compliance with all applicable standards.
- Promote continued innovation and creativity in providing services in a more effective and cost-efficient manner.
- Maintain effective long-term financial and operational plans.
- Implement sound fiscal policies, budgets, and controls.
- Maintain effective coordination, cooperation, and communication with local governments, State and Federal agencies and continue involvement in civic, professional and community affairs.
- Motivate employees and encourage teamwork throughout the organization.
- Complete all approved CIP projects identified in the EGWD FY 2019-20 CIP.

### **Specific Key Objectives**

- Facilitate the acquisition of a new Administration building or property to build an Administration building.
- Complete the review and update of all Board policies.
- Complete the review and update of Board By-Laws.
- Develop and implement a District wide Regulatory Compliance and Tracking System.
- Complete the disposition of all non-desired remnant parcels owned by the FRCD/EGWD.
- Investigate the potential for a groundwater recharge project that benefits the EGWD ratepayers.
- Implement a Water Conservation Education Program in the Elk Grove Unified School District within the EGWD service area.
- Achieve the CSDA accreditation as a District of Financial Transparency.

### **FY 2018-19 ACCOMPLISHMENTS**

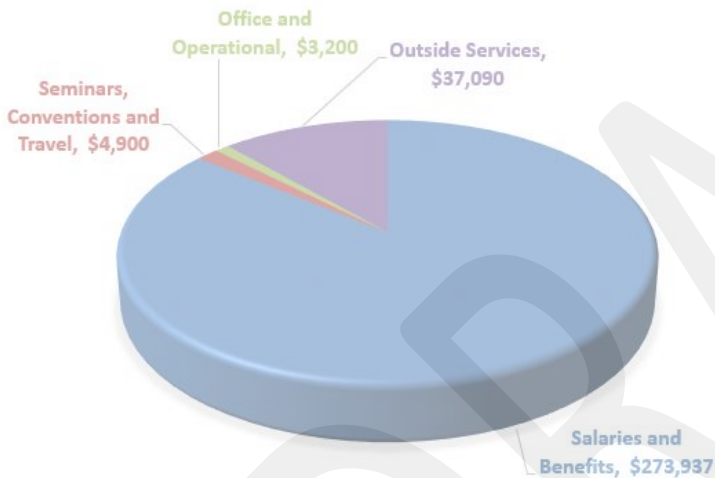
- All water facilities and programs were operated in compliance with all applicable standards.
- The District was successful at controlling costs and revenues, such that the revenues significantly exceeded expenditures at the end of the fiscal year.
- The District was awarded the Certificate of Achievement for Excellence in Financial Reporting by the Government Finance Officers Association for the tenth consecutive year.
- Completed and adopted a new five-year Strategic Plan for the FRCD/EGWD.
- Completed the development of a fire system backflow prevention program and adopted an updated Cross-Connection Control ordinance.
- Developed and adopted new ordinances governing water theft, claims and lawsuits, and provisions for water service.
- Completed an update to the EGWD Employee Policy Manual.
- Completed and implemented four new procurement policies for the FRCD/EGWD.
- The majority of approved CIP projects, identified in the EGWD FY 2018-19 CIP were completed with a total cost under budget.

## HUMAN RESOURCES DEPARTMENT

The Human Resource Department is responsible for handling confidential personnel matters, including recruitment, hiring, training and development, policy compliance and employee benefits. The Human Resources Administrator makes certain that employee matters are handled fairly, equitably and without discrimination according to EGWD policies and State and Federal regulations.



### FY 2019-20 HUMAN RESOURCE EXPENDITURES



### FY 2019-20 GOALS AND OBJECTIVES

- Complete the review and update of all Board related policies.
- Complete the review and update of all job descriptions.
- Complete the review of staffing requirements and implement the recruitment of qualified candidates for vacant positions.
- Develop standard operating procedures (SOP) for Board Secretary and Human Resource duties.
- Develop a comprehensive Wellness Program utilizing results of the pilot program.
- Obtain grant funding for comprehensive wellness program.
- Implement electronic filing and storage solution for key District documents.

### FY 2018-19 ACCOMPLISHMENTS

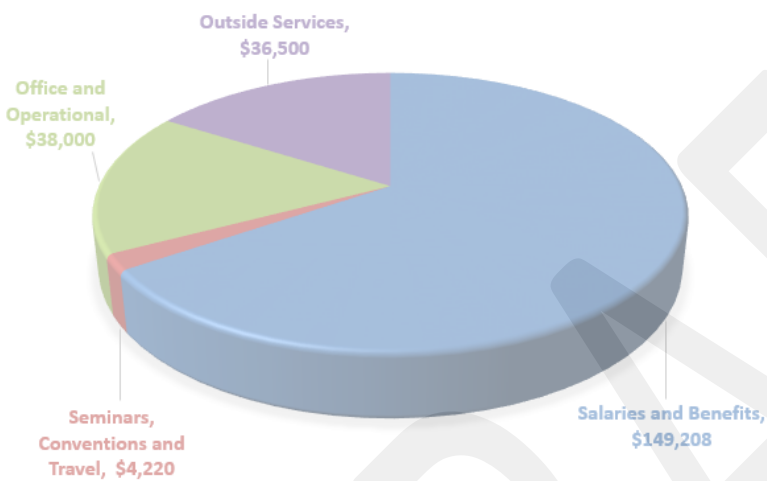
- Completed the recruitment for two Water Distribution Supervisors.
- Completed the review and updated of the Employee Policy Manual.
- Implemented a pilot Wellness Program using a grant received from the Association of California Water Agencies Joint Powers Authority.
- Implemented a Quarterly Employee Recognition Program.
- Administrative Assistant – Obtained a California Notary License and also completed the California Special Districts Association Board Secretary Certificate Program.
- Cross trained Administrative Assistants to maximize operational efficiency for support positions.

## PROGRAM MANAGER DEPARTMENT

The Program Manager manages special programs and projects as assigned by the General Manager, including water conservation, safety, legislative tracking and lobbying, grant acquisition, and public information and outreach.



### FY 2019-20 PROGRAM MANAGER EXPENDITURES



### FY 2019-20 GOALS AND OBJECTIVES

- Development and coordinate a Water Education Program for schools in the EGWD service area.
- Design and implement a customer emergency alert system.
- Obtain Cal OSHA 30 Certification.
- Work in tandem with local legislators to draft legislation that advance the EGWD's mission.
- Coordinate and perform a District wide emergency response drill.

### FY 2018-19 ACCOMPLISHMENTS

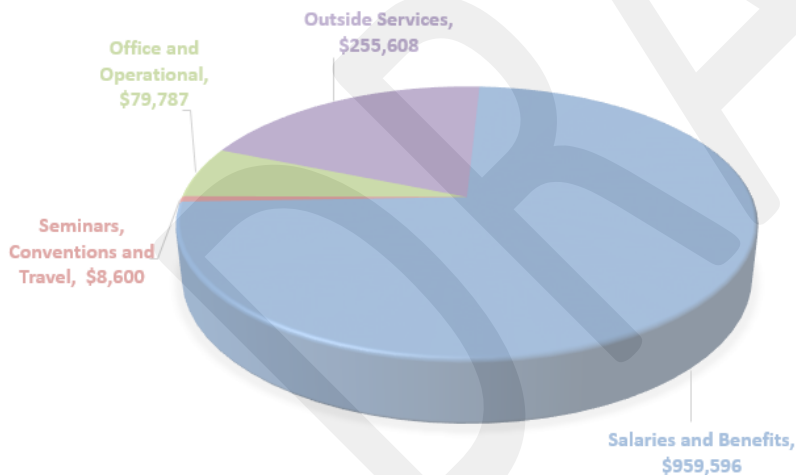
- Update Code of Safe Practices, Injury & Illness Prevention Plan and Emergency Response Plan.
- Complete the 2019-2023 Strategic Plan.
- Obtain certification as a Water Efficiency Practitioner, level 1.

## FINANCE AND ADMINISTRATIVE DEPARTMENTS

The Finance Department is responsible for maintaining the fiscal stability in a manner consistent with generally accepted accounting principles and statutory requirements. Included in the Financial Department's duties are: customer service, accounts payable, billing and accounts receivable, general ledger maintenance, capital assets records, investment activity, accounting, budget development and monitoring, development of cash flow models, debt service, revenue and expenditure forecasting, payroll, financial reporting and coordination with external financial audits. Finance also oversees the general and administrative functions of the EGWD and its administrative building, including purchasing/procurement management, risk management, equipment rent, supplies and building maintenance.



### FY 2019-20 FINANCE EXPENDITURES



### FY 2019-20 GOALS AND OBJECTIVES

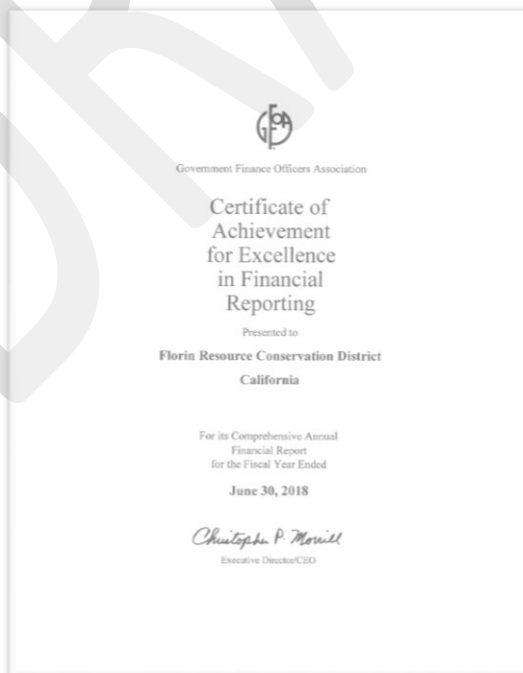
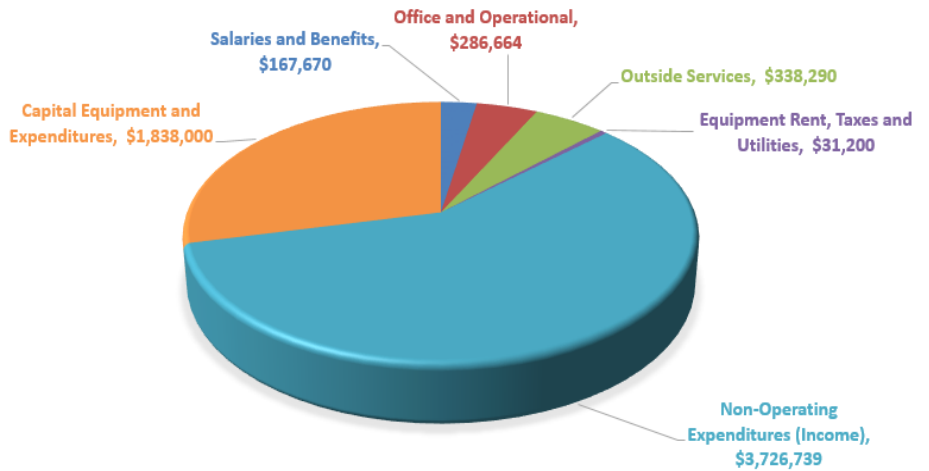
- Develop a budget consistent with the guidelines of the GFOA Distinguished Budget Presentation Award Program and submit the budget for review and evaluation.
- Achieve the District Transparency Certificate of Excellence award from the Special District Leadership Foundation.
- Facilitate and complete the dissolution of the Florin Resource Conservation District Economic Development Corporation.
- Complete the implementation of the requirements of Senate Bill 998 – Discontinuation of Residential Water Service.
- Establish a program to encourage and increase the number of ratepayers subscribed for paperless billing.
- Establish online bill payment consolidation services to increase the number of payments received by ACH.

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

**FY 2018-19 ACCOMPLISHMENTS**

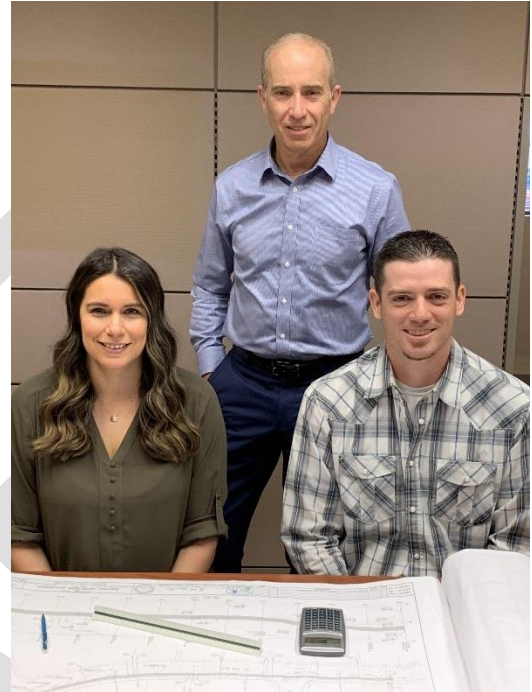
- Maintained strong budget management, procurement and internal control culture to ensure EGWD meets the Board’s and the financial community’s expectations for continued strong financial performance.
- Continued to manage EGWD’s debt service, maintaining strict compliance with bond covenants.
- Continued to manage the EGWD investment portfolio and establishing a new money market account increasing investment earnings while maintaining safety and liquidity.
- Completed the review and update of the District’s procurement policies.
- Completed the review and update of the District’s credit card use policies and procedures.
- Completed the implementation of Governmental Accounting Standards Board Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*.
- Achieved the Government Finance Officers Association’s Certificate of Excellence in Financial Reporting for the 10<sup>th</sup> consecutive year.

**FY 2019-20 ADMINISTRATIVE EXPENDITURES**

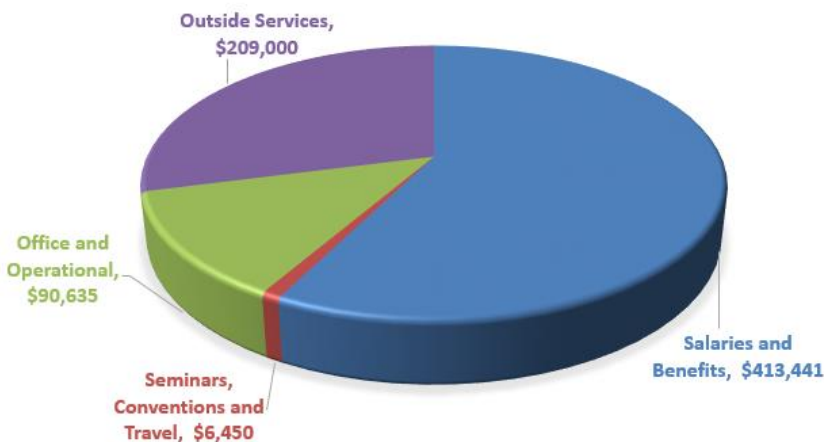


## ASSISTANT GENERAL MANAGER/TECHNICAL SERVICES DEPARTMENT

The Assistant General Manager is responsible for assisting the General Manager, as directed, with all aspects of the District's policies, procedures, programs and operations; and assumes the duties and responsibilities of the General Manager in his/her absence. In addition, the Assistant General Manager oversees the Technical Services Department and Capital Improvement Program and is responsible for planning, engineering, construction management and technical support for EGWD operations.



### FY 2019-20 TECHNICAL SERVICES EXPENDITURES



### FY 2019-20 GOALS AND OBJECTIVES

- Coordinate and complete all required CIP projects identified in the FY 2019-20 CIP budget.
- Work with the Distribution Division to unidirectionally flush the Service Area 1 water distribution system.
- Update the Elk Grove Water Distribution Standard Construction Specifications and Detail Drawings.
- Complete a risk assessment of water system infrastructure around critical facilities, such as schools, daycares and senior living centers.
- Provide guidance and stakeholder representation with respect to the Regional Water Authority's development of the Sacramento Regional Water Bank.

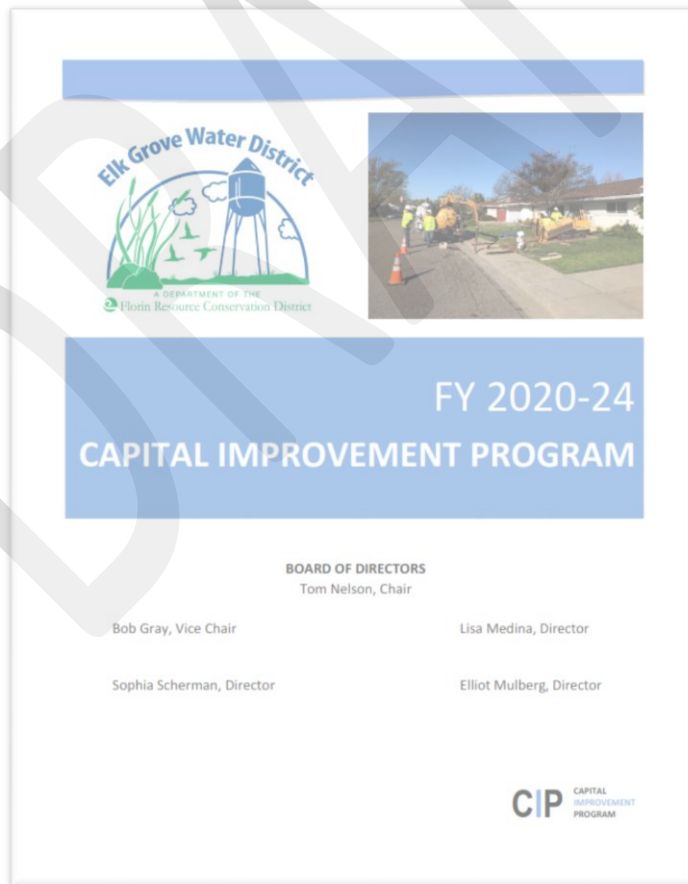


**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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**FY 2018-19 ACCOMPLISHMENTS**

- Complete all required CIP projects identified in the FY 2018-19 CIP budget.
- Develop the FY 2020-2024 CIP for the next fiscal year.
- Provide technical support as needed to the Utility Division for the construction of the Backyard Water Mains/Services Replacement project, the Railroad Water Treatment Facility Generator PLC/SCADA Upgrade project, the Well 3 Pump Replacement project, the Hampton Water Treatment Plant Generator Removal project and the Railroad Water Treatment Facility Parking Lot Repaving project.
- Provide technical support as needed to the Treatment and Distribution Divisions.
- Participate as an alternate board member on the Sacramento Central Groundwater Authority (SCGA).
- Provide guidance and stakeholder representation with respect to SCGA’s management of the South American groundwater sub-basin.
- Manage the Geographic Information System.
- Manage the Asset Management Program.



## INFORMATION TECHNOLOGY

The EGWD contracts its Information Technology (IT) services to an IT Professional that reports to the General Manager, who is responsible for information services, including development and support of computers and software, information network, program development, office telecommunications, office security, and office systems. All hardware and software IT costs are budgeted for and directly charged to each department based on actual costs for equipment and software. Contract costs are budgeted for and paid out of the Administrative Budget, as such, there are no expenditures to report for Information Technology.

### FY 2019-20 GOALS AND OBJECTIVES

- Network Documentation – get the network fully documented – including all systems and how to set each one up in case of a disaster.
- Continue to improve the District’s cyber-security posture by doing monthly vulnerability scanning and handling all vulnerabilities found.
- Fully document the Disaster Recovery Plan.
- Rework the offsite disaster recovery assets to bring these in line with the infrastructure changes done.
- Set up automated disaster recovery response and test response systems to test the effectiveness of the server and system backups.
- Upgrade all server systems to newest version.
- Get all servers and services fully integrated into the monitoring solution.
- Successfully passing our annual PCI audit.
- Complete all users on a new Cyber security awareness training program and reduce our click rate to below 2%.
- Complete all desktop and laptop operating system upgrades to Windows 10.
- Deploy the Backflow Tester Portal.
- Get Data Retention reworked in line with the new policies.

### FY 2018-19 ACCOMPLISHMENTS

- Installed 7,164 security patches to servers and systems.
- Completed and closed out 3,359 help desk tickets.
- Completed the Self-Assessment Questionnaire demonstrating compliance with the Payment Card Industry and earning the seal of validation of PCI compliance.
- Deployed three new Virtual Server Hosts and completed the migration of servers to new physical servers and operating systems.
- Completed the onboarding of an IT Technician to assist with daily IT systems maintenance and workload.



## OPERATIONS DEPARTMENT

The Operations Department, overseen by the General Manager, consists of the Treatment, Distribution, and Utility Divisions. The purpose of the Operations Department is to operate and maintain all facilities in a manner that safeguards public and employee health, complies with all regulatory requirements, and ensures outstanding customer service. It is responsible for the delivery of water to the EGWD customers as well as operating and maintaining the EGWD's pipelines and facilities. This department includes the functions of water quality, system maintenance, planning, operations, inspection and safety.

### TREATMENT DIVISION

The Treatment Division oversees the operation and maintenance of EGWD's water supply and treatment facilities to ensure safe and reliable water supplies to ratepayers. Responsibilities of the Treatment Division include: maintaining strict compliance with all State and Federal regulatory agencies with the intent of safeguarding public health and the environment; maintenance and management of all water quality sampling and reporting to Local, State and Federal agencies; maintaining water production and equipment maintenance records and reports; and management of the Backflow/Cross-Connection Control Program.



### DISTRIBUTION DIVISION

The Distribution Division oversees the operation and maintenance of the EGWD's water distribution facilities to ensure the reliable and safe distribution of water to ratepayers. Responsibilities of the Distribution Division include: maintenance of 1,620 fire hydrants to ensure reliable fire flows during emergencies; and maintenance and exercise of 1,440 valves to ensure that every valve is checked and exercised every three years. The Distribution Division also conducts the necessary monthly meter readings and responds to and handles all customer service requests and corrective maintenance in accordance with State and Federal regulations regarding repairs that impact potable water.



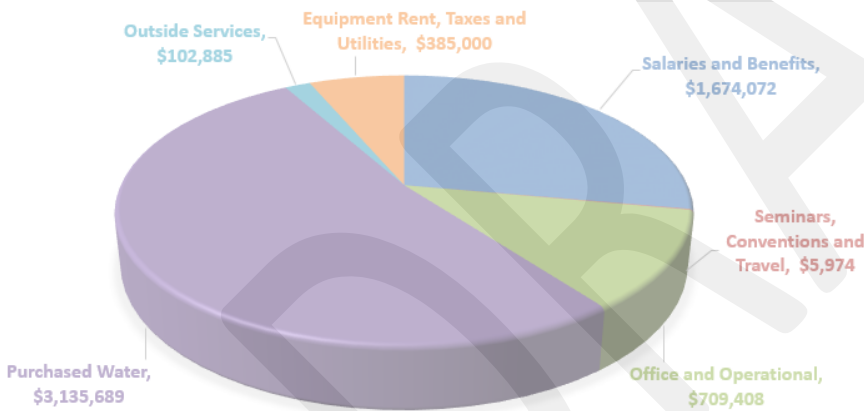
**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

**UTILITY DIVISION**

The Utility Division oversees the operation and maintenance of capital improvement projects for the EGWD’s water system. Responsibilities of the Utility Division include: the necessary repairs and upgrades to the water systems aging infrastructure; staffing and coordination to complete capital improvement projects; the installation of new pipeline due to expanding development; and any and all construction related activities required by the EGWD that is not contracted to outside contractors.



**FY 2019-20 OPERATIONS DEPARTMENT EXPENDITURES**



**FY 2019-20 GOALS AND OBJECTIVES**

- Conduct meter reading and maintaining a balanced program of reading each customer’s meter between 28-32 days.
- Respond to all Underground Service Alert requests within 48 hours in compliance with State law.
- Flush the entire water system using unidirectional flushing techniques.
- Construct the Backyard Water Main projects, consisting of 9,735 linear feet of new water mains.

**FY 2018-19 ACCOMPLISHMENTS**

- Designed and developed a Water Systems Operations Plan to optimize the production and operations of the EGWD water wells and treatment facilities
- Completed all routine maintenance on all water production and treatment equipment.
- Completed all State and Federal required water quality sampling and reporting.

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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- Maintained all Cross-Connection Control Program requirements.
- Completed the maintenance and exercise of 1,750 fire hydrants and 1,843 valves.
- Replaced 257 water meters that were deemed to have malfunctioned.
- Posted 5,871 Notice of Pending Service Interruption tags and performed 688 shut-offs, primarily for non-payment.
- Responded to and resolved 2,813 Underground Service Alert requests.
- Maintained an average read of approximately 12,500 meters a month.
- Completed the Service Line Replacements project.
- Completed the construction of the radio antenna at the Hampton Water Treatment Plant.
- Completed the grinding and paving of 50+ potholes throughout the EGWD's service area.



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**LONG-TERM INDEBTEDNESS**

**REVENUE BONDS**

**BOND COVENANT RATIO**

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### Elk Grove Water District Long-Term Indebtedness to Maturity

Payment Date	Total Principal	Total Interest	Fiscal Year Total
9/1/2019	2,165,000.00	856,619.38	
3/1/2020	-	805,119.38	3,826,738.76
9/1/2020	2,300,000.00	805,119.38	
3/1/2021	-	750,349.38	3,855,468.76
9/1/2021	2,440,000.00	750,349.38	
3/1/2022	-	692,149.38	3,882,498.76
9/1/2022	2,560,000.00	692,149.38	
3/1/2023	-	631,054.38	3,883,203.76
9/1/2023	2,675,000.00	631,054.38	
3/1/2024	-	580,939.38	3,886,993.76
9/1/2024	2,780,000.00	580,939.38	
3/1/2025	-	527,089.38	3,888,028.76
9/1/2025	2,935,000.00	527,089.38	
3/1/2026	-	479,413.13	3,941,502.51
9/1/2026	3,075,000.00	479,413.13	
3/1/2027	-	426,633.75	3,981,046.88
9/1/2027	3,180,000.00	426,633.75	
3/1/2028	-	370,576.25	3,977,210.00
9/1/2028	3,295,000.00	370,576.25	
3/1/2029	-	310,960.00	3,976,536.25
9/1/2029	3,430,000.00	310,960.00	
3/1/2030	-	234,170.00	3,975,130.00
9/1/2030	3,595,000.00	234,170.00	
3/1/2031	-	158,190.00	3,987,360.00
9/1/2031	3,745,000.00	158,190.00	
3/1/2032	-	80,735.00	3,983,925.00
9/1/2032	3,900,000.00	80,735.00	
3/1/2033	-	-	3,980,735.00
<b>Totals</b>	<b>42,075,000.00</b>	<b>12,951,378.20</b>	<b>55,026,378.20</b>



**Elk Grove Water District  
Fiscal Year 2019-20  
Long-Term Indebtedness  
Schedule of Required Payments**

Series	Description	Principal	Interest	Total Payment
2014 A	Water Revenue Refunding Bonds	1,790,000	1,177,269	2,967,269
2016 A	Water Revenue Refunding Bonds	375,000	484,470	859,470
<b>TOTAL DEBT SERVICE PAYMENTS</b>		<b>\$ 2,165,000</b>	<b>\$ 1,661,739</b>	<b>\$ 3,826,739</b>

	Required	Proposed
Debt Covenant Ratio	1.15	1.38
Net Income	\$ 5,294,095	
Total Debt Service	\$ 3,826,739	

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**FISCAL YEAR 2019-20**  
**RATES AND FEES SCHEDULE**

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**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

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**Use Charges:**

Fixed charge based on the number of accounts and the size of the water meter/connections:

Connection Size	Jan. 1, 2019	Jan. 1, 2020
1"	\$ 61.15	\$ 61.15
1.5"	\$ 86.07	\$ 86.07
2"	\$ 115.97	\$ 115.97
3"	\$ 185.76	\$ 185.76
4"	\$ 285.43	\$ 285.43
6"	\$ 534.64	\$ 534.64
8"	\$ 833.69	\$ 833.69
10"	\$ 1,182.57	\$ 1,182.57

Commodity charge for units of water used in a month:

Service Type	Jan. 1, 2019	Jan. 1, 2020
Residential Metered		
Tier 1 (0-30 CCF)	\$ 1.92	\$ 1.92
Tier 2 (30.01+ CCF)	\$ 4.04	\$ 4.04
CCF = Hundred Cubic Feet		
Non-residential	\$ 1.79	\$ 1.79
Irrigation	\$ 2.27	\$ 2.27

**Other Fees:**

Private Fire Protection Service Rates:

Connection Size	Jan. 1, 2019	Jan. 1, 2020
2"	\$ 3.02	\$ 3.02
3"	\$ 8.78	\$ 8.78
4"	\$ 18.71	\$ 18.71
6"	\$ 54.34	\$ 54.34
8"	\$ 115.80	\$ 115.80
10"	\$ 208.25	\$ 208.25
12"	\$ 336.37	\$ 336.37

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

New Connections: Effective January 1, 2020

Fees for new connection to EGWD contain two components. The base charge for a 1-inch meter is \$926.00 and larger meter installations will be charged any additional time and material (T&M) cost. The second is a capacity charge, which covers the cost of “buying-in” to an existing system. New connections in EGWD’s Service Area 2 do not pay the capacity charge, as those costs are part of Sacramento County’s infrastructure.

Meter Size	Meter Charge	Capacity Fee	Total
1”	\$ 926	\$ 5,170	\$ 6,096
1.5”	T&M	\$ 10,340	\$ 10,340 + T&M
2”	T&M	\$ 16,544	\$ 16,544 + T&M
3”	T&M	\$ 31,020	\$ 31,020 + T&M
4”	T&M	\$ 51,700	\$ 51,700 + T&M
6”	T&M	\$ 103,400	\$ 103,400 + T&M

Other: Effective December 19, 2018

Account set up	\$30.00
Return check charge	\$35.00, plus amount of check
Over the phone payments	\$5.00
Meter re-read	
First request	Free
Subsequent requests	\$25.00
Photocopies	
Black and white	\$0.10/page
Color	\$0.15/page
Delinquency shutoff	
Delinquent amount	Amount of past due bill
Door hanger	\$25.00
Late Payment Penalty	\$100.00
24-hour turn-on fee	\$100.00
Meter testing	\$47/hour
Back flow Tag Fee	\$25/tag
Fire flow testing	\$156.00
Violation of ordinance (within 1 year)	
First occurrence	\$100.00
Second occurrence	\$200.00
Each additional occurrence	\$500.00
Plan check fees	
Irrigation only	\$500.00
1 lot (EDU)	\$500.00
2-9 lots (EDUs)	\$2,000.00
10 lots (EDUs) or more	\$5,000.00
Construction/temporary service	
Installation & removal	\$194.00
Weekly rental	\$50.00
Deposit	\$2,000.00

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**FISCAL YEAR 2019-20**  
**SALARY SCHEDULE**

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**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

<b>Grade</b>	<b>Step I</b>	<b>Step II</b>	<b>Step III</b>	<b>Step IV</b>	<b>Step V</b>
1	\$ 18,262.40	\$ 19,177.60	\$ 20,113.60	\$ 21,132.80	\$ 22,193.60
	\$ 1,521.87	\$ 1,598.13	\$ 1,676.13	\$ 1,761.07	\$ 1,849.47
	\$ 702.40	\$ 737.60	\$ 773.60	\$ 812.80	\$ 853.60
	\$ 8.78	\$ 9.22	\$ 9.67	\$ 10.16	\$ 10.67
2	\$ 18,699.20	\$ 19,656.00	\$ 20,633.60	\$ 21,652.80	\$ 22,755.20
	\$ 1,558.27	\$ 1,638.00	\$ 1,719.47	\$ 1,804.40	\$ 1,896.27
	\$ 719.20	\$ 756.00	\$ 793.60	\$ 832.80	\$ 875.20
	\$ 8.99	\$ 9.45	\$ 9.92	\$ 10.41	\$ 10.94
3	\$ 19,177.60	\$ 20,113.60	\$ 21,132.80	\$ 22,193.60	\$ 23,316.80
	\$ 1,598.13	\$ 1,676.13	\$ 1,761.07	\$ 1,849.47	\$ 1,943.07
	\$ 737.60	\$ 773.60	\$ 812.80	\$ 853.60	\$ 896.80
	\$ 9.22	\$ 9.67	\$ 10.16	\$ 10.67	\$ 11.21
4	\$ 19,656.00	\$ 20,633.60	\$ 21,652.80	\$ 22,755.20	\$ 23,878.40
	\$ 1,638.00	\$ 1,719.47	\$ 1,804.40	\$ 1,896.27	\$ 1,989.87
	\$ 756.00	\$ 793.60	\$ 832.80	\$ 875.20	\$ 918.40
	\$ 9.45	\$ 9.92	\$ 10.41	\$ 10.94	\$ 11.48
5	\$ 20,113.60	\$ 21,132.80	\$ 22,193.60	\$ 23,316.80	\$ 24,460.80
	\$ 1,676.13	\$ 1,761.07	\$ 1,849.47	\$ 1,943.07	\$ 2,038.40
	\$ 773.60	\$ 812.80	\$ 853.60	\$ 896.80	\$ 940.80
	\$ 9.67	\$ 10.16	\$ 10.67	\$ 11.21	\$ 11.76
6	\$ 20,633.60	\$ 21,652.80	\$ 22,755.20	\$ 23,878.40	\$ 25,084.80
	\$ 1,719.47	\$ 1,804.40	\$ 1,896.27	\$ 1,989.87	\$ 2,090.40
	\$ 793.60	\$ 832.80	\$ 875.20	\$ 918.40	\$ 964.80
	\$ 9.92	\$ 10.41	\$ 10.94	\$ 11.48	\$ 12.06
7	\$ 21,132.80	\$ 22,193.60	\$ 23,316.80	\$ 24,460.80	\$ 25,688.00
	\$ 1,761.07	\$ 1,849.47	\$ 1,943.07	\$ 2,038.40	\$ 2,140.67
	\$ 812.80	\$ 853.60	\$ 896.80	\$ 940.80	\$ 988.00
	\$ 10.16	\$ 10.67	\$ 11.21	\$ 11.76	\$ 12.35
8	\$ 21,652.80	\$ 22,755.20	\$ 23,878.40	\$ 25,084.80	\$ 26,332.80
	\$ 1,804.40	\$ 1,896.27	\$ 1,989.87	\$ 2,090.40	\$ 2,194.40
	\$ 832.80	\$ 875.20	\$ 918.40	\$ 964.80	\$ 1,012.80
	\$ 10.41	\$ 10.94	\$ 11.48	\$ 12.06	\$ 12.66
9	\$ 22,193.60	\$ 23,316.80	\$ 24,460.80	\$ 25,688.00	\$ 26,977.60
	\$ 1,849.47	\$ 1,943.07	\$ 2,038.40	\$ 2,140.67	\$ 2,248.13
	\$ 853.60	\$ 896.80	\$ 940.80	\$ 988.00	\$ 1,037.60
	\$ 10.67	\$ 11.21	\$ 11.76	\$ 12.35	\$ 12.97
10	\$ 22,755.20	\$ 23,878.40	\$ 25,084.80	\$ 26,332.80	\$ 27,643.20
	\$ 1,896.27	\$ 1,989.87	\$ 2,090.40	\$ 2,194.40	\$ 2,303.60
	\$ 875.20	\$ 918.40	\$ 964.80	\$ 1,012.80	\$ 1,063.20
	\$ 10.94	\$ 11.48	\$ 12.06	\$ 12.66	\$ 13.29



**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

<b>Grade</b>	<b>Step I</b>	<b>Step II</b>	<b>Step III</b>	<b>Step IV</b>	<b>Step V</b>
11	\$ 23,316.80	\$ 24,460.80	\$ 25,688.00	\$ 26,977.60	\$ 28,308.80
	\$ 1,943.07	\$ 2,038.40	\$ 2,140.67	\$ 2,248.13	\$ 2,359.07
	\$ 896.80	\$ 940.80	\$ 988.00	\$ 1,037.60	\$ 1,088.80
	\$ 11.21	\$ 11.76	\$ 12.35	\$ 12.97	\$ 13.61
12	\$ 23,878.40	\$ 25,084.80	\$ 26,332.80	\$ 27,643.20	\$ 29,016.00
	\$ 1,989.87	\$ 2,090.40	\$ 2,194.40	\$ 2,303.60	\$ 2,418.00
	\$ 918.40	\$ 964.80	\$ 1,012.80	\$ 1,063.20	\$ 1,116.00
	\$ 11.48	\$ 12.06	\$ 12.66	\$ 13.29	\$ 13.95
13	\$ 24,460.80	\$ 25,688.00	\$ 26,977.60	\$ 28,308.80	\$ 29,723.20
	\$ 2,038.40	\$ 2,140.67	\$ 2,248.13	\$ 2,359.07	\$ 2,476.93
	\$ 940.80	\$ 988.00	\$ 1,037.60	\$ 1,088.80	\$ 1,143.20
	\$ 11.76	\$ 12.35	\$ 12.97	\$ 13.61	\$ 14.29
14	\$ 25,084.80	\$ 26,332.80	\$ 27,643.20	\$ 29,016.00	\$ 30,472.00
	\$ 2,090.40	\$ 2,194.40	\$ 2,303.60	\$ 2,418.00	\$ 2,539.33
	\$ 964.80	\$ 1,012.80	\$ 1,063.20	\$ 1,116.00	\$ 1,172.00
	\$ 12.06	\$ 12.66	\$ 13.29	\$ 13.95	\$ 14.65
15	\$ 25,688.00	\$ 26,977.60	\$ 28,308.80	\$ 29,723.20	\$ 31,220.80
	\$ 2,140.67	\$ 2,248.13	\$ 2,359.07	\$ 2,476.93	\$ 2,601.73
	\$ 988.00	\$ 1,037.60	\$ 1,088.80	\$ 1,143.20	\$ 1,200.80
	\$ 12.35	\$ 12.97	\$ 13.61	\$ 14.29	\$ 15.01
16	\$ 26,332.80	\$ 27,643.20	\$ 29,016.00	\$ 30,472.00	\$ 31,990.40
	\$ 2,194.40	\$ 2,303.60	\$ 2,418.00	\$ 2,539.33	\$ 2,665.87
	\$ 1,012.80	\$ 1,063.20	\$ 1,116.00	\$ 1,172.00	\$ 1,230.40
	\$ 12.66	\$ 13.29	\$ 13.95	\$ 14.65	\$ 15.38
17	\$ 26,977.60	\$ 28,308.80	\$ 29,723.20	\$ 31,220.80	\$ 32,780.80
	\$ 2,248.13	\$ 2,359.07	\$ 2,476.93	\$ 2,601.73	\$ 2,731.73
	\$ 1,037.60	\$ 1,088.80	\$ 1,143.20	\$ 1,200.80	\$ 1,260.80
	\$ 12.97	\$ 13.61	\$ 14.29	\$ 15.01	\$ 15.76
18	\$ 27,643.20	\$ 29,016.00	\$ 30,472.00	\$ 31,990.40	\$ 33,612.80
	\$ 2,303.60	\$ 2,418.00	\$ 2,539.33	\$ 2,665.87	\$ 2,801.07
	\$ 1,063.20	\$ 1,116.00	\$ 1,172.00	\$ 1,230.40	\$ 1,292.80
	\$ 13.29	\$ 13.95	\$ 14.65	\$ 15.38	\$ 16.16
19	\$ 28,308.80	\$ 29,723.20	\$ 31,220.80	\$ 32,780.80	\$ 34,424.00
	\$ 2,359.07	\$ 2,476.93	\$ 2,601.73	\$ 2,731.73	\$ 2,868.67
	\$ 1,088.80	\$ 1,143.20	\$ 1,200.80	\$ 1,260.80	\$ 1,324.00
	\$ 13.61	\$ 14.29	\$ 15.01	\$ 15.76	\$ 16.55
20	\$ 29,016.00	\$ 30,472.00	\$ 31,990.40	\$ 33,612.80	\$ 35,297.60
	\$ 2,418.00	\$ 2,539.33	\$ 2,665.87	\$ 2,801.07	\$ 2,941.47
	\$ 1,116.00	\$ 1,172.00	\$ 1,230.40	\$ 1,292.80	\$ 1,357.60
	\$ 13.95	\$ 14.65	\$ 15.38	\$ 16.16	\$ 16.97

Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
21	\$ 29,723.20	\$ 31,220.80	\$ 32,780.80	\$ 34,424.00	\$ 36,150.40
	\$ 2,476.93	\$ 2,601.73	\$ 2,731.73	\$ 2,868.67	\$ 3,012.53
	\$ 1,143.20	\$ 1,200.80	\$ 1,260.80	\$ 1,324.00	\$ 1,390.40
	\$ 14.29	\$ 15.01	\$ 15.76	\$ 16.55	\$ 17.38
22	\$ 30,472.00	\$ 31,990.40	\$ 33,612.80	\$ 35,297.60	\$ 37,044.80
	\$ 2,539.33	\$ 2,665.87	\$ 2,801.07	\$ 2,941.47	\$ 3,087.07
	\$ 1,172.00	\$ 1,230.40	\$ 1,292.80	\$ 1,357.60	\$ 1,424.80
	\$ 14.65	\$ 15.38	\$ 16.16	\$ 16.97	\$ 17.81
23	\$ 31,220.80	\$ 32,780.80	\$ 34,424.00	\$ 36,150.40	\$ 37,939.20
	\$ 2,601.73	\$ 2,731.73	\$ 2,868.67	\$ 3,012.53	\$ 3,161.60
	\$ 1,200.80	\$ 1,260.80	\$ 1,324.00	\$ 1,390.40	\$ 1,459.20
	\$ 15.01	\$ 15.76	\$ 16.55	\$ 17.38	\$ 18.24
24	\$ 31,990.40	\$ 33,612.80	\$ 35,297.60	\$ 37,044.80	\$ 38,916.80
	\$ 2,665.87	\$ 2,801.07	\$ 2,941.47	\$ 3,087.07	\$ 3,243.07
	\$ 1,230.40	\$ 1,292.80	\$ 1,357.60	\$ 1,424.80	\$ 1,496.80
	\$ 15.38	\$ 16.16	\$ 16.97	\$ 17.81	\$ 18.71
25	\$ 32,780.80	\$ 34,424.00	\$ 36,150.40	\$ 37,939.20	\$ 39,852.80
	\$ 2,731.73	\$ 2,868.67	\$ 3,012.53	\$ 3,161.60	\$ 3,321.07
	\$ 1,260.80	\$ 1,324.00	\$ 1,390.40	\$ 1,459.20	\$ 1,532.80
	\$ 15.76	\$ 16.55	\$ 17.38	\$ 18.24	\$ 19.16
26	\$ 33,612.80	\$ 35,297.60	\$ 37,044.80	\$ 38,916.80	\$ 40,851.20
	\$ 2,801.07	\$ 2,941.47	\$ 3,087.07	\$ 3,243.07	\$ 3,404.27
	\$ 1,292.80	\$ 1,357.60	\$ 1,424.80	\$ 1,496.80	\$ 1,571.20
	\$ 16.16	\$ 16.97	\$ 17.81	\$ 18.71	\$ 19.64
27	\$ 34,424.00	\$ 36,150.40	\$ 37,939.20	\$ 39,852.80	\$ 41,849.60
	\$ 2,868.67	\$ 3,012.53	\$ 3,161.60	\$ 3,321.07	\$ 3,487.47
	\$ 1,324.00	\$ 1,390.40	\$ 1,459.20	\$ 1,532.80	\$ 1,609.60
	\$ 16.55	\$ 17.38	\$ 18.24	\$ 19.16	\$ 20.12
28	\$ 35,297.60	\$ 37,044.80	\$ 38,916.80	\$ 40,851.20	\$ 42,889.60
	\$ 2,941.47	\$ 3,087.07	\$ 3,243.07	\$ 3,404.27	\$ 3,574.13
	\$ 1,357.60	\$ 1,424.80	\$ 1,496.80	\$ 1,571.20	\$ 1,649.60
	\$ 16.97	\$ 17.81	\$ 18.71	\$ 19.64	\$ 20.62
29	\$ 36,150.40	\$ 37,939.20	\$ 39,852.80	\$ 41,849.60	\$ 43,950.40
	\$ 3,012.53	\$ 3,161.60	\$ 3,321.07	\$ 3,487.47	\$ 3,662.53
	\$ 1,390.40	\$ 1,459.20	\$ 1,532.80	\$ 1,609.60	\$ 1,690.40
	\$ 17.38	\$ 18.24	\$ 19.16	\$ 20.12	\$ 21.13
30	\$ 37,044.80	\$ 38,916.80	\$ 40,851.20	\$ 42,889.60	\$ 45,032.00
	\$ 3,087.07	\$ 3,243.07	\$ 3,404.27	\$ 3,574.13	\$ 3,752.67
	\$ 1,424.80	\$ 1,496.80	\$ 1,571.20	\$ 1,649.60	\$ 1,732.00
	\$ 17.81	\$ 18.71	\$ 19.64	\$ 20.62	\$ 21.65

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

<b>Grade</b>	<b>Step I</b>	<b>Step II</b>	<b>Step III</b>	<b>Step IV</b>	<b>Step V</b>
31	\$ 37,939.20	\$ 39,852.80	\$ 41,849.60	\$ 43,950.40	\$ 46,113.60
	\$ 3,161.60	\$ 3,321.07	\$ 3,487.47	\$ 3,662.53	\$ 3,842.80
	\$ 1,459.20	\$ 1,532.80	\$ 1,609.60	\$ 1,690.40	\$ 1,773.60
	\$ 18.24	\$ 19.16	\$ 20.12	\$ 21.13	\$ 22.17
32	\$ 38,916.80	\$ 40,851.20	\$ 42,889.60	\$ 45,032.00	\$ 47,278.40
	\$ 3,243.07	\$ 3,404.27	\$ 3,574.13	\$ 3,752.67	\$ 3,939.87
	\$ 1,496.80	\$ 1,571.20	\$ 1,649.60	\$ 1,732.00	\$ 1,818.40
	\$ 18.71	\$ 19.64	\$ 20.62	\$ 21.65	\$ 22.73
33	\$ 39,852.80	\$ 41,849.60	\$ 43,950.40	\$ 46,113.60	\$ 48,443.20
	\$ 3,321.07	\$ 3,487.47	\$ 3,662.53	\$ 3,842.80	\$ 4,036.93
	\$ 1,532.80	\$ 1,609.60	\$ 1,690.40	\$ 1,773.60	\$ 1,863.20
	\$ 19.16	\$ 20.12	\$ 21.13	\$ 22.17	\$ 23.29
34	\$ 40,851.20	\$ 42,889.60	\$ 45,032.00	\$ 47,278.40	\$ 49,649.60
	\$ 3,404.27	\$ 3,574.13	\$ 3,752.67	\$ 3,939.87	\$ 4,137.47
	\$ 1,571.20	\$ 1,649.60	\$ 1,732.00	\$ 1,818.40	\$ 1,909.60
	\$ 19.64	\$ 20.62	\$ 21.65	\$ 22.73	\$ 23.87
35	\$ 41,849.60	\$ 43,950.40	\$ 46,113.60	\$ 48,443.20	\$ 50,856.00
	\$ 3,487.47	\$ 3,662.53	\$ 3,842.80	\$ 4,036.93	\$ 4,238.00
	\$ 1,609.60	\$ 1,690.40	\$ 1,773.60	\$ 1,863.20	\$ 1,956.00
	\$ 20.12	\$ 21.13	\$ 22.17	\$ 23.29	\$ 24.45
36	\$ 42,889.60	\$ 45,032.00	\$ 47,278.40	\$ 49,649.60	\$ 52,145.60
	\$ 3,574.13	\$ 3,752.67	\$ 3,939.87	\$ 4,137.47	\$ 4,345.47
	\$ 1,649.60	\$ 1,732.00	\$ 1,818.40	\$ 1,909.60	\$ 2,005.60
	\$ 20.62	\$ 21.65	\$ 22.73	\$ 23.87	\$ 25.07
37	\$ 43,950.40	\$ 46,113.60	\$ 48,443.20	\$ 50,856.00	\$ 53,393.60
	\$ 3,662.53	\$ 3,842.80	\$ 4,036.93	\$ 4,238.00	\$ 4,449.47
	\$ 1,690.40	\$ 1,773.60	\$ 1,863.20	\$ 1,956.00	\$ 2,053.60
	\$ 21.13	\$ 22.17	\$ 23.29	\$ 24.45	\$ 25.67
38	\$ 45,032.00	\$ 47,278.40	\$ 49,649.60	\$ 52,145.60	\$ 54,745.60
	\$ 3,752.67	\$ 3,939.87	\$ 4,137.47	\$ 4,345.47	\$ 4,562.13
	\$ 1,732.00	\$ 1,818.40	\$ 1,909.60	\$ 2,005.60	\$ 2,105.60
	\$ 21.65	\$ 22.73	\$ 23.87	\$ 25.07	\$ 26.32
39	\$ 46,113.60	\$ 48,443.20	\$ 50,856.00	\$ 53,393.60	\$ 56,076.80
	\$ 3,842.80	\$ 4,036.93	\$ 4,238.00	\$ 4,449.47	\$ 4,673.07
	\$ 1,773.60	\$ 1,863.20	\$ 1,956.00	\$ 2,053.60	\$ 2,156.80
	\$ 22.17	\$ 23.29	\$ 24.45	\$ 25.67	\$ 26.96
40	\$ 47,278.40	\$ 49,649.60	\$ 52,145.60	\$ 54,745.60	\$ 57,470.40
	\$ 3,939.87	\$ 4,137.47	\$ 4,345.47	\$ 4,562.13	\$ 4,789.20
	\$ 1,818.40	\$ 1,909.60	\$ 2,005.60	\$ 2,105.60	\$ 2,210.40
	\$ 22.73	\$ 23.87	\$ 25.07	\$ 26.32	\$ 27.63

Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
41	\$ 48,443.20	\$ 50,856.00	\$ 53,393.60	\$ 56,076.80	\$ 58,884.80
	\$ 4,036.93	\$ 4,238.00	\$ 4,449.47	\$ 4,673.07	\$ 4,907.07
	\$ 1,863.20	\$ 1,956.00	\$ 2,053.60	\$ 2,156.80	\$ 2,264.80
	\$ 23.29	\$ 24.45	\$ 25.67	\$ 26.96	\$ 28.31
42	\$ 49,649.60	\$ 52,145.60	\$ 54,745.60	\$ 57,470.40	\$ 60,361.60
	\$ 4,137.47	\$ 4,345.47	\$ 4,562.13	\$ 4,789.20	\$ 5,030.13
	\$ 1,909.60	\$ 2,005.60	\$ 2,105.60	\$ 2,210.40	\$ 2,321.60
	\$ 23.87	\$ 25.07	\$ 26.32	\$ 27.63	\$ 29.02
43	\$ 50,856.00	\$ 53,393.60	\$ 56,076.80	\$ 58,884.80	\$ 61,838.40
	\$ 4,238.00	\$ 4,449.47	\$ 4,673.07	\$ 4,907.07	\$ 5,153.20
	\$ 1,956.00	\$ 2,053.60	\$ 2,156.80	\$ 2,264.80	\$ 2,378.40
	\$ 24.45	\$ 25.67	\$ 26.96	\$ 28.31	\$ 29.73
44	\$ 52,145.60	\$ 54,745.60	\$ 57,470.40	\$ 60,361.60	\$ 63,377.60
	\$ 4,345.47	\$ 4,562.13	\$ 4,789.20	\$ 5,030.13	\$ 5,281.47
	\$ 2,005.60	\$ 2,105.60	\$ 2,210.40	\$ 2,321.60	\$ 2,437.60
	\$ 25.07	\$ 26.32	\$ 27.63	\$ 29.02	\$ 30.47
45	\$ 53,393.60	\$ 56,076.80	\$ 58,884.80	\$ 61,838.40	\$ 64,916.80
	\$ 4,449.47	\$ 4,673.07	\$ 4,907.07	\$ 5,153.20	\$ 5,409.73
	\$ 2,053.60	\$ 2,156.80	\$ 2,264.80	\$ 2,378.40	\$ 2,496.80
	\$ 25.67	\$ 26.96	\$ 28.31	\$ 29.73	\$ 31.21
46	\$ 54,745.60	\$ 57,470.40	\$ 60,361.60	\$ 63,377.60	\$ 66,539.20
	\$ 4,562.13	\$ 4,789.20	\$ 5,030.13	\$ 5,281.47	\$ 5,544.93
	\$ 2,105.60	\$ 2,210.40	\$ 2,321.60	\$ 2,437.60	\$ 2,559.20
	\$ 26.32	\$ 27.63	\$ 29.02	\$ 30.47	\$ 31.99
47	\$ 56,076.80	\$ 58,884.80	\$ 61,838.40	\$ 64,916.80	\$ 68,161.60
	\$ 4,673.07	\$ 4,907.07	\$ 5,153.20	\$ 5,409.73	\$ 5,680.13
	\$ 2,156.80	\$ 2,264.80	\$ 2,378.40	\$ 2,496.80	\$ 2,621.60
	\$ 26.96	\$ 28.31	\$ 29.73	\$ 31.21	\$ 32.77
48	\$ 57,470.40	\$ 60,361.60	\$ 63,377.60	\$ 66,539.20	\$ 69,867.20
	\$ 4,789.20	\$ 5,030.13	\$ 5,281.47	\$ 5,544.93	\$ 5,822.27
	\$ 2,210.40	\$ 2,321.60	\$ 2,437.60	\$ 2,559.20	\$ 2,687.20
	\$ 27.63	\$ 29.02	\$ 30.47	\$ 31.99	\$ 33.59
49	\$ 58,884.80	\$ 61,838.40	\$ 64,916.80	\$ 68,161.60	\$ 71,572.80
	\$ 4,907.07	\$ 5,153.20	\$ 5,409.73	\$ 5,680.13	\$ 5,964.40
	\$ 2,264.80	\$ 2,378.40	\$ 2,496.80	\$ 2,621.60	\$ 2,752.80
	\$ 28.31	\$ 29.73	\$ 31.21	\$ 32.77	\$ 34.41
50	\$ 60,361.60	\$ 63,377.60	\$ 66,539.20	\$ 69,867.20	\$ 73,340.80
	\$ 5,030.13	\$ 5,281.47	\$ 5,544.93	\$ 5,822.27	\$ 6,111.73
	\$ 2,321.60	\$ 2,437.60	\$ 2,559.20	\$ 2,687.20	\$ 2,820.80
	\$ 29.02	\$ 30.47	\$ 31.99	\$ 33.59	\$ 35.26

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
51	\$ 61,838.40	\$ 64,916.80	\$ 68,161.60	\$ 71,572.80	\$ 75,150.40
	\$ 5,153.20	\$ 5,409.73	\$ 5,680.13	\$ 5,964.40	\$ 6,262.53
	\$ 2,378.40	\$ 2,496.80	\$ 2,621.60	\$ 2,752.80	\$ 2,890.40
	\$ 29.73	\$ 31.21	\$ 32.77	\$ 34.41	\$ 36.13
52	\$ 63,377.60	\$ 66,539.20	\$ 69,867.20	\$ 73,340.80	\$ 77,022.40
	\$ 5,281.47	\$ 5,544.93	\$ 5,822.27	\$ 6,111.73	\$ 6,418.53
	\$ 2,437.60	\$ 2,559.20	\$ 2,687.20	\$ 2,820.80	\$ 2,962.40
	\$ 30.47	\$ 31.99	\$ 33.59	\$ 35.26	\$ 37.03
53	\$ 64,916.80	\$ 68,161.60	\$ 71,572.80	\$ 75,150.40	\$ 78,915.20
	\$ 5,409.73	\$ 5,680.13	\$ 5,964.40	\$ 6,262.53	\$ 6,576.27
	\$ 2,496.80	\$ 2,621.60	\$ 2,752.80	\$ 2,890.40	\$ 3,035.20
	\$ 31.21	\$ 32.77	\$ 34.41	\$ 36.13	\$ 37.94
54	\$ 66,539.20	\$ 69,867.20	\$ 73,340.80	\$ 77,022.40	\$ 80,891.20
	\$ 5,544.93	\$ 5,822.27	\$ 6,111.73	\$ 6,418.53	\$ 6,740.93
	\$ 2,559.20	\$ 2,687.20	\$ 2,820.80	\$ 2,962.40	\$ 3,111.20
	\$ 31.99	\$ 33.59	\$ 35.26	\$ 37.03	\$ 38.89
55	\$ 68,161.60	\$ 71,572.80	\$ 75,150.40	\$ 78,915.20	\$ 82,846.40
	\$ 5,680.13	\$ 5,964.40	\$ 6,262.53	\$ 6,576.27	\$ 6,903.87
	\$ 2,621.60	\$ 2,752.80	\$ 2,890.40	\$ 3,035.20	\$ 3,186.40
	\$ 32.77	\$ 34.41	\$ 36.13	\$ 37.94	\$ 39.83
56	\$ 69,867.20	\$ 73,340.80	\$ 77,022.40	\$ 80,891.20	\$ 84,926.40
	\$ 5,822.27	\$ 6,111.73	\$ 6,418.53	\$ 6,740.93	\$ 7,077.20
	\$ 2,687.20	\$ 2,820.80	\$ 2,962.40	\$ 3,111.20	\$ 3,266.40
	\$ 33.59	\$ 35.26	\$ 37.03	\$ 38.89	\$ 40.83
57	\$ 71,572.80	\$ 75,150.40	\$ 78,915.20	\$ 82,846.40	\$ 86,985.60
	\$ 5,964.40	\$ 6,262.53	\$ 6,576.27	\$ 6,903.87	\$ 7,248.80
	\$ 2,752.80	\$ 2,890.40	\$ 3,035.20	\$ 3,186.40	\$ 3,345.60
	\$ 34.41	\$ 36.13	\$ 37.94	\$ 39.83	\$ 41.82
58	\$ 73,340.80	\$ 77,022.40	\$ 80,891.20	\$ 84,926.40	\$ 89,169.60
	\$ 6,111.73	\$ 6,418.53	\$ 6,740.93	\$ 7,077.20	\$ 7,430.80
	\$ 2,820.80	\$ 2,962.40	\$ 3,111.20	\$ 3,266.40	\$ 3,429.60
	\$ 35.26	\$ 37.03	\$ 38.89	\$ 40.83	\$ 42.87
59	\$ 75,150.40	\$ 78,915.20	\$ 82,846.40	\$ 86,985.60	\$ 91,353.60
	\$ 6,262.53	\$ 6,576.27	\$ 6,903.87	\$ 7,248.80	\$ 7,612.80
	\$ 2,890.40	\$ 3,035.20	\$ 3,186.40	\$ 3,345.60	\$ 3,513.60
	\$ 36.13	\$ 37.94	\$ 39.83	\$ 41.82	\$ 43.92
60	\$ 77,022.40	\$ 80,891.20	\$ 84,926.40	\$ 89,169.60	\$ 93,620.80
	\$ 6,418.53	\$ 6,740.93	\$ 7,077.20	\$ 7,430.80	\$ 7,801.73
	\$ 2,962.40	\$ 3,111.20	\$ 3,266.40	\$ 3,429.60	\$ 3,600.80
	\$ 37.03	\$ 38.89	\$ 40.83	\$ 42.87	\$ 45.01

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
61	\$ 78,915.20	\$ 82,846.40	\$ 86,985.60	\$ 91,353.60	\$ 95,908.80
	\$ 6,576.27	\$ 6,903.87	\$ 7,248.80	\$ 7,612.80	\$ 7,992.40
	\$ 3,035.20	\$ 3,186.40	\$ 3,345.60	\$ 3,513.60	\$ 3,688.80
	\$ 37.94	\$ 39.83	\$ 41.82	\$ 43.92	\$ 46.11
62	\$ 80,891.20	\$ 84,926.40	\$ 89,169.60	\$ 93,620.80	\$ 98,300.80
	\$ 6,740.93	\$ 7,077.20	\$ 7,430.80	\$ 7,801.73	\$ 8,191.73
	\$ 3,111.20	\$ 3,266.40	\$ 3,429.60	\$ 3,600.80	\$ 3,780.80
	\$ 38.89	\$ 40.83	\$ 42.87	\$ 45.01	\$ 47.26
63	\$ 82,846.40	\$ 86,985.60	\$ 91,353.60	\$ 95,908.80	\$100,692.80
	\$ 6,903.87	\$ 7,248.80	\$ 7,612.80	\$ 7,992.40	\$ 8,391.07
	\$ 3,186.40	\$ 3,345.60	\$ 3,513.60	\$ 3,688.80	\$ 3,872.80
	\$ 39.83	\$ 41.82	\$ 43.92	\$ 46.11	\$ 48.41
64	\$ 84,926.40	\$ 89,169.60	\$ 93,620.80	\$ 98,300.80	\$103,230.40
	\$ 7,077.20	\$ 7,430.80	\$ 7,801.73	\$ 8,191.73	\$ 8,602.53
	\$ 3,266.40	\$ 3,429.60	\$ 3,600.80	\$ 3,780.80	\$ 3,970.40
	\$ 40.83	\$ 42.87	\$ 45.01	\$ 47.26	\$ 49.63
65	\$ 86,985.60	\$ 91,353.60	\$ 95,908.80	\$100,692.80	\$105,726.40
	\$ 7,248.80	\$ 7,612.80	\$ 7,992.40	\$ 8,391.07	\$ 8,810.53
	\$ 3,345.60	\$ 3,513.60	\$ 3,688.80	\$ 3,872.80	\$ 4,066.40
	\$ 41.82	\$ 43.92	\$ 46.11	\$ 48.41	\$ 50.83
66	\$ 89,169.60	\$ 93,620.80	\$ 98,300.80	\$103,230.40	\$108,388.80
	\$ 7,430.80	\$ 7,801.73	\$ 8,191.73	\$ 8,602.53	\$ 9,032.40
	\$ 3,429.60	\$ 3,600.80	\$ 3,780.80	\$ 3,970.40	\$ 4,168.80
	\$ 42.87	\$ 45.01	\$ 47.26	\$ 49.63	\$ 52.11
67	\$ 91,353.60	\$ 95,908.80	\$100,692.80	\$105,726.40	\$111,009.60
	\$ 7,612.80	\$ 7,992.40	\$ 8,391.07	\$ 8,810.53	\$ 9,250.80
	\$ 3,513.60	\$ 3,688.80	\$ 3,872.80	\$ 4,066.40	\$ 4,269.60
	\$ 43.92	\$ 46.11	\$ 48.41	\$ 50.83	\$ 53.37
68	\$ 93,620.80	\$ 98,300.80	\$103,230.40	\$108,388.80	\$113,796.80
	\$ 7,801.73	\$ 8,191.73	\$ 8,602.53	\$ 9,032.40	\$ 9,483.07
	\$ 3,600.80	\$ 3,780.80	\$ 3,970.40	\$ 4,168.80	\$ 4,376.80
	\$ 45.01	\$ 47.26	\$ 49.63	\$ 52.11	\$ 54.71
69	\$ 95,908.80	\$100,692.80	\$105,726.40	\$111,009.60	\$116,584.00
	\$ 7,992.40	\$ 8,391.07	\$ 8,810.53	\$ 9,250.80	\$ 9,715.33
	\$ 3,688.80	\$ 3,872.80	\$ 4,066.40	\$ 4,269.60	\$ 4,484.00
	\$ 46.11	\$ 48.41	\$ 50.83	\$ 53.37	\$ 56.05
70	\$ 98,300.80	\$103,230.40	\$108,388.80	\$113,796.80	\$119,496.00
	\$ 8,191.73	\$ 8,602.53	\$ 9,032.40	\$ 9,483.07	\$ 9,958.00
	\$ 3,780.80	\$ 3,970.40	\$ 4,168.80	\$ 4,376.80	\$ 4,596.00
	\$ 47.26	\$ 49.63	\$ 52.11	\$ 54.71	\$ 57.45

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
71	\$ 100,692.80	\$ 105,726.40	\$ 111,009.60	\$ 116,584.00	\$ 122,408.00
	\$ 8,391.07	\$ 8,810.53	\$ 9,250.80	\$ 9,715.33	\$ 10,200.67
	\$ 3,872.80	\$ 4,066.40	\$ 4,269.60	\$ 4,484.00	\$ 4,708.00
	\$ 48.41	\$ 50.83	\$ 53.37	\$ 56.05	\$ 58.85
72	\$ 103,230.40	\$ 108,388.80	\$ 113,796.80	\$ 119,496.00	\$ 125,465.60
	\$ 8,602.53	\$ 9,032.40	\$ 9,483.07	\$ 9,958.00	\$ 10,455.47
	\$ 3,970.40	\$ 4,168.80	\$ 4,376.80	\$ 4,596.00	\$ 4,825.60
	\$ 49.63	\$ 52.11	\$ 54.71	\$ 57.45	\$ 60.32
73	\$ 105,726.40	\$ 111,009.60	\$ 116,584.00	\$ 122,408.00	\$ 128,523.20
	\$ 8,810.53	\$ 9,250.80	\$ 9,715.33	\$ 10,200.67	\$ 10,710.27
	\$ 4,066.40	\$ 4,269.60	\$ 4,484.00	\$ 4,708.00	\$ 4,943.20
	\$ 50.83	\$ 53.37	\$ 56.05	\$ 58.85	\$ 61.79
74	\$ 108,388.80	\$ 113,796.80	\$ 119,496.00	\$ 125,465.60	\$ 131,726.40
	\$ 9,032.40	\$ 9,483.07	\$ 9,958.00	\$ 10,455.47	\$ 10,977.20
	\$ 4,168.80	\$ 4,376.80	\$ 4,596.00	\$ 4,825.60	\$ 5,066.40
	\$ 52.11	\$ 54.71	\$ 57.45	\$ 60.32	\$ 63.33
75	\$ 111,009.60	\$ 116,584.00	\$ 122,408.00	\$ 128,523.20	\$ 134,950.40
	\$ 9,250.80	\$ 9,715.33	\$ 10,200.67	\$ 10,710.27	\$ 11,245.87
	\$ 4,269.60	\$ 4,484.00	\$ 4,708.00	\$ 4,943.20	\$ 5,190.40
	\$ 53.37	\$ 56.05	\$ 58.85	\$ 61.79	\$ 64.88
76	\$ 113,796.80	\$ 119,496.00	\$ 125,465.60	\$ 131,726.40	\$ 138,320.00
	\$ 9,483.07	\$ 9,958.00	\$ 10,455.47	\$ 10,977.20	\$ 11,526.67
	\$ 4,376.80	\$ 4,596.00	\$ 4,825.60	\$ 5,066.40	\$ 5,320.00
	\$ 54.71	\$ 57.45	\$ 60.32	\$ 63.33	\$ 66.50
77	\$ 116,584.00	\$ 122,408.00	\$ 128,523.20	\$ 134,950.40	\$ 141,710.40
	\$ 9,715.33	\$ 10,200.67	\$ 10,710.27	\$ 11,245.87	\$ 11,809.20
	\$ 4,484.00	\$ 4,708.00	\$ 4,943.20	\$ 5,190.40	\$ 5,450.40
	\$ 56.05	\$ 58.85	\$ 61.79	\$ 64.88	\$ 68.13
78	\$ 119,496.00	\$ 125,465.60	\$ 131,726.40	\$ 138,320.00	\$ 145,246.40
	\$ 9,958.00	\$ 10,455.47	\$ 10,977.20	\$ 11,526.67	\$ 12,103.87
	\$ 4,596.00	\$ 4,825.60	\$ 5,066.40	\$ 5,320.00	\$ 5,586.40
	\$ 57.45	\$ 60.32	\$ 63.33	\$ 66.50	\$ 69.83
79	\$ 122,408.00	\$ 128,523.20	\$ 134,950.40	\$ 141,710.40	\$ 148,803.20
	\$ 10,200.67	\$ 10,710.27	\$ 11,245.87	\$ 11,809.20	\$ 12,400.27
	\$ 4,708.00	\$ 4,943.20	\$ 5,190.40	\$ 5,450.40	\$ 5,723.20
	\$ 58.85	\$ 61.79	\$ 64.88	\$ 68.13	\$ 71.54
80	\$ 125,465.60	\$ 131,726.40	\$ 138,320.00	\$ 145,246.40	\$ 152,505.60
	\$ 10,455.47	\$ 10,977.20	\$ 11,526.67	\$ 12,103.87	\$ 12,708.80
	\$ 4,825.60	\$ 5,066.40	\$ 5,320.00	\$ 5,586.40	\$ 5,865.60
	\$ 60.32	\$ 63.33	\$ 66.50	\$ 69.83	\$ 73.32

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

**ELK GROVE WATER DISTRICT**  
**Salary Schedule**  
**Annual, Monthly, Bi-Weekly & Hourly Wage**  
**As of July 1, 2019**

Grade	Step I	Step II	Step III	Step IV	Step V
81	\$ 128,523.20	\$ 134,950.40	\$ 141,710.40	\$ 148,803.20	\$ 156,228.80
	\$ 10,710.27	\$ 11,245.87	\$ 11,809.20	\$ 12,400.27	\$ 13,019.07
	\$ 4,943.20	\$ 5,190.40	\$ 5,450.40	\$ 5,723.20	\$ 6,008.80
	\$ 61.79	\$ 64.88	\$ 68.13	\$ 71.54	\$ 75.11
82	\$ 131,726.40	\$ 138,320.00	\$ 145,246.40	\$ 152,505.60	\$ 160,139.20
	\$ 10,977.20	\$ 11,526.67	\$ 12,103.87	\$ 12,708.80	\$ 13,344.93
	\$ 5,066.40	\$ 5,320.00	\$ 5,586.40	\$ 5,865.60	\$ 6,159.20
	\$ 63.33	\$ 66.50	\$ 69.83	\$ 73.32	\$ 76.99
83	\$ 134,950.40	\$ 141,710.40	\$ 148,803.20	\$ 156,228.80	\$ 164,028.80
	\$ 11,245.87	\$ 11,809.20	\$ 12,400.27	\$ 13,019.07	\$ 13,669.07
	\$ 5,190.40	\$ 5,450.40	\$ 5,723.20	\$ 6,008.80	\$ 6,308.80
	\$ 64.88	\$ 68.13	\$ 71.54	\$ 75.11	\$ 78.86
84	\$ 138,320.00	\$ 145,246.40	\$ 152,505.60	\$ 160,139.20	\$ 168,147.20
	\$ 11,526.67	\$ 12,103.87	\$ 12,708.80	\$ 13,344.93	\$ 14,012.27
	\$ 5,320.00	\$ 5,586.40	\$ 5,865.60	\$ 6,159.20	\$ 6,467.20
	\$ 66.50	\$ 69.83	\$ 73.32	\$ 76.99	\$ 80.84
85	\$ 141,710.40	\$ 148,803.20	\$ 156,228.80	\$ 164,028.80	\$ 172,224.00
	\$ 11,809.20	\$ 12,400.27	\$ 13,019.07	\$ 13,669.07	\$ 14,352.00
	\$ 5,450.40	\$ 5,723.20	\$ 6,008.80	\$ 6,308.80	\$ 6,624.00
	\$ 68.13	\$ 71.54	\$ 75.11	\$ 78.86	\$ 82.80
86	\$ 145,246.40	\$ 152,505.60	\$ 160,139.20	\$ 168,147.20	\$ 176,550.40
	\$ 12,103.87	\$ 12,708.80	\$ 13,344.93	\$ 14,012.27	\$ 14,712.53
	\$ 5,586.40	\$ 5,865.60	\$ 6,159.20	\$ 6,467.20	\$ 6,790.40
	\$ 69.83	\$ 73.32	\$ 76.99	\$ 80.84	\$ 84.88
87	\$ 148,803.20	\$ 156,228.80	\$ 164,028.80	\$ 172,224.00	\$ 180,856.00
	\$ 12,400.27	\$ 13,019.07	\$ 13,669.07	\$ 14,352.00	\$ 15,071.33
	\$ 5,723.20	\$ 6,008.80	\$ 6,308.80	\$ 6,624.00	\$ 6,956.00
	\$ 71.54	\$ 75.11	\$ 78.86	\$ 82.80	\$ 86.95
88	\$ 152,505.60	\$ 160,139.20	\$ 168,147.20	\$ 176,550.40	\$ 185,369.60
	\$ 12,708.80	\$ 13,344.93	\$ 14,012.27	\$ 14,712.53	\$ 15,447.47
	\$ 5,865.60	\$ 6,159.20	\$ 6,467.20	\$ 6,790.40	\$ 7,129.60
	\$ 73.32	\$ 76.99	\$ 80.84	\$ 84.88	\$ 89.12
89	\$ 156,228.80	\$ 164,028.80	\$ 172,224.00	\$ 180,856.00	\$ 189,883.20
	\$ 13,019.07	\$ 13,669.07	\$ 14,352.00	\$ 15,071.33	\$ 15,823.60
	\$ 6,008.80	\$ 6,308.80	\$ 6,624.00	\$ 6,956.00	\$ 7,303.20
	\$ 75.11	\$ 78.86	\$ 82.80	\$ 86.95	\$ 91.29
90	\$ 160,139.20	\$ 168,147.20	\$ 176,550.40	\$ 185,369.60	\$ 194,646.40
	\$ 13,344.93	\$ 14,012.27	\$ 14,712.53	\$ 15,447.47	\$ 16,220.53
	\$ 6,159.20	\$ 6,467.20	\$ 6,790.40	\$ 7,129.60	\$ 7,486.40
	\$ 76.99	\$ 80.84	\$ 84.88	\$ 89.12	\$ 93.58



**ELK GROVE WATER DISTRICT**  
**General Manager Salary**  
Annual, Monthly, Bi-Weekly & Hourly Wage  
As of July 1, 2019

General Manager	
GM	\$ 203,592
	\$ 16,966
	\$ 7,830
	\$ 97.88

DRAFT

## ACRONYMS & GLOSSARY OF TERMS

### A

**Account** – A category that identifies the justification of the transaction of funds received or paid.

**Account Balance** – The difference in dollars between the total debits and the total credits in an account.

**Accrual Basis of Accounting** – A basis of accounting under which increases and decreases in economic resources are recognized as soon as the underlying event or transaction occurs. Revenues are recognized when earned and expenses are recognized when incurred, regardless of the timing of related cash flows.

**Accrual** – The recognition of a revenue or expense in a current period even though the actual cash may not be received or paid until a following period.

**Acre-foot of Water** – The volume of water that covers one acre to a depth of one foot; 43,560 cubic feet; 1,233.5 cubic meters; 325,872 gallons.

**Actual** – The final audited revenue / expenditure results of operations for the fiscal year indicated.

**ACWA** – Association of California Water Agencies.

**AICPA** – American Institute of Certified Public Accountants.

**Amortization** – Gradual reduction, redemption, or liquidation of the balance of an account according to a specified times and amounts.

**Assets** – Resources owned or held by EGWD/FRCD which have monetary value.

**Audit** – An examination of the books and records of EGWD/FRCD to determine financial status and results of operations (excess or loss).

**AWWA** – American Water Works Association

### B

**Backflow** – The backing up of water through a conduit or channel in the direction opposite to normal flow.

**BMPs** – Best Management Practices.

**Board of Directors** – The EGWD/FRCD is governed by a Board, the members of which are elected by the voters within the FRCD boundaries. The Board sets policy and provides overall leadership for EGWD/FRCD including the mission, goals, priorities and resource allocation.

**Bond Issuance Costs** – The costs incurred by the bond issuer during the planning, marketing and sale of a bond issue.

**Budget Calendar** – The schedule of key dates or milestones which the EGWD follows in the preparation, adoption, and administration of the budget.

**Budgetary Control** - The control of management in accordance with the approved budget to keep expenditures within the limitations of available appropriations and available revenues.

**Elk Grove Water District**  
**Fiscal Year 2019-20 Operating Budget**

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**C**

**CAC** – Community Advisory Committee.

**CalPERS** – California Employees Public Retirement System.

**Capital Equipment (Assets)** – Fixed assets such as vehicles, computers, equipment, technical instruments, etc., which have a life expectancy of more than one year and a value over \$5,000.

**Cash Flows** – The movement of cash in and out of the EGWD from day-to-day activities.

**Cash Management** – The management of cash flows in such a way that interest and penalties paid are minimized and interest earned is maximized. Funds received are deposited on the day of receipt and invested as soon as the funds are available. The EGWD maximizes the return on all funds available for investment without sacrifice of safety or necessary liquidity.

**CCF** – Centum cubic feet

**CCR** – Consumer Confidence Report.

**CMTA** – California Municipal Treasurer’s Association.

**Consumer Price Index (CPI)** – A statistical description of price levels provided by the U.S. Department of Labor. The index is used as a measure of the increase in the cost of living or doing business (i.e. economic inflation).

**CSDA** – California Special Districts Association.

**CSMFO** – California Society of Municipal Finance Officers

**Current Assets** – Cash plus assets that are expected to be converted to cash, sold or consumed during the next 12 months or as a part of the normal operating cycle.

**Current Liabilities** – Obligations that will become due within the next year or within the normal operating cycle, if longer than a year.

**D**

**Debt** – An obligation resulting from the borrowing of money or from the purchase of goods and services. These include bonds and accounts payable.

**Debt Service** – The payment of principal and interest on any short-term and long-term debt.

**Debt Service Requirements** – The amount of money required to pay interest and principal on outstanding debt.

**Depreciation** – The allocation of the acquisition cost of plant, property and equipment to the particular periods or products that benefit from the utilization of the asset in service.

**E**

**Easement** – An acquired legal right to the use of land owned by others.

**EGWD** – Elk Grove Water District.

**Enterprise Fund** – A fund established to account for the operation of self-supporting enterprises.

**Expenditures** – A decrease in net financial resources, actual payment for goods and services received.

## **F**

**Financial Statement** – A set of summary documents which pertain to financial information that consist of the following: Balance Sheet or Combining Schedule of Net Assets, Income Statement or Combining Schedule of Revenues and Expenses, Statement of Cash Flows, Notes of Financial Statements and, in the EGWD’s case, various Supplements, Schedules, etc.

**Fiscal Policy** – The EGWD’s policies with respect to revenues, spending, and debt management as these relate to services, programs and capital investment.

**Fixed Assets** – Long-term tangible assets that have a normal use expectancy of more than one year and do not lose their individual identity through use. Fixed assets include primarily buildings, equipment, and land.

**FRCD** – Florin Resource Conservation District.

**Fund** – A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

**Fund Balance** – The cumulative difference of all revenues and all expenditures of the fund from the time the EGWD was established. Fund balance is also considered to be the difference between fund assets and fund liabilities and is sometimes referred to as “fund equity” at any given point in time.

## **G**

**Generally Accepted Accounting Principles (GAAP)** – Uniform minimum standards of, and guidelines for, external financial accounting and reporting. They govern the form and content of the basic financial statements of an entity. GAAP encompasses the conventions, rules, and procedures necessary to define accepted accounting practices at a particular time. They include not only broad guidelines of general application, but also detailed practices and procedures. GAAP provides a standard by which to measure financial presentations. The primary authoritative statement on the application of GAAP to state and local governments is Government Accounting Standards Board (GASB) pronouncements.

**Geographic Information System (GIS)** – An organized collection of computer hardware, software and geographic data designed to efficiently capture, store, update, manipulate, analyze, and display all forms of geographically referenced information.

**Goals** – General statements of desired state, condition, or situation to be achieved, which may be viewed from a short or long-term perspective.

**Governmental Accounting Standards Board (GASB)** – Their mission is to establish and improve standards of state and local governmental accounting and financial reporting that will result in useful information for users of financial reports.

**Governmental Finance Officers of America (GFOA)** – Their purpose is to enhance and promote the professional management of governments for the public benefit. The GFOA accomplishes this mission by identifying and developing financial policies and practices and promoting them through education, training and leadership.

**Groundwater** – Water produced by pumping from underground.

**H**

**I**

**Independent Auditor** – External public accounting firm hired to audit the annual financial statements and express an opinion on those statements as to conformity with generally accepted accounting principles.

**Infrastructure** – EGWD owned capital assets that provide services to the ratepayers.

**Internal Control** – Methods and procedures that are primarily concerned with the authorization of transactions, safeguarding of assets, and accuracy of the financial records.

**Inventories** – Items held for future use.

**Investment Income** – Income derived by investing certain fund balance in interest-yielding securities in compliance with the provisions of the EGWD’s Investment policy.

**J**

**K**

**L**

**Liabilities** – Obligations incurred in past or current transactions requiring present or future settlement.

**Long-Term Debt** – Debt with a maturity of more than one year after the date of issuance.

**M**

**Meter** – An instrument of measuring the flow of water.

**Mid-Year Review** – Midway through the fiscal year the current year budget is evaluated based on spending to date and current projections. The primary areas reviewed and analyzed are year-to-date expenditure and revenue status plus expenditure and revenue projections for the remainder of the year.

**Modified Accrual Basis** – The accrual basis of accounting adapted to the governmental fund type. Revenues are recognized when they become both “measurable” and “available to finance expenditures of the current period.” Expenditures are recognized when the liability is incurred except on long-term debt which is recognized when due.

**N**

**Notes Payable** – Long or short-term obligations that are payable according to a contract or agreement in which the timeframe is executed.

**O**

**Objective** – A statement of purpose defined more specifically than goals, defining the result-oriented activities necessary to achieve a stated goal.

**Obligation** – Amounts which the EGWD may be legally required to meet out of its resources and includes not only actual liabilities, but also encumbrances not yet paid.

**Elk Grove Water District  
Fiscal Year 2019-20 Operating Budget**

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**OPEB** – Other Post Employment Benefit

**Operating Expense** – All costs required for the daily operation of the EGWD necessary to provide services and maintain the systems in good operating condition that are not considered capital improvements or debt repayments.

**Overtime** – Hours worked in excess of 40 hours per work week or hours worked in excess of those scheduled in a shift.

**P**

**Projected** – An estimate of revenues or expenditures based on past trends, the present economic situation and future financial forecasts.

**PTO** – Personal time off.

**Q**

**R**

**Ratepayers**– Those being provided with water service by Elk Grove Water District.

**Refunding Bonds** – Bonds issued to retire bonds already outstanding.

**Reimbursements** – Payment made to someone for out-of-pocket expenses incurred.

**Reserves** – An account used to indicate that a portion of a fund’s assets are restricted for a specific purpose.

**Revenue** – An inflow of assets in exchange for services.

**Revenue Bonds** – Municipal bonds that finance income-producing projects and are secured by a specific revenue source.

**Risk Management** – A coordinated effort to minimize costs – typically where insurance policies are purchased to manage the EGWD’s exposure to various risks of loss; Workers’ Compensation; theft of, damage to, and destruction of assets, errors and omissions; injuries to employees; and natural disasters.

**RRWTP** – Railroad Water Treatment Plant

**RWA** – Regional Water Authority.

**S**

**SCADA System** – “*Supervisory Control and Data Acquisition*” System. The computer system that collects data, processes the data and allows operating personnel to take corrective actions.

**SCGA** – Sacramento Central Groundwater Authority

**SCWA** – Sacramento County Water Agency

**T**

**Treated Water** – Water which has been processed through the EGWD’s water treatment plant(s) or imported from other utilities to supplement the EGWD’s water supplies.

**U**

**V**

**Variance** – The dollar and/or percentage difference between two sets of figures.

**VTO** – Vacation time off.

**W**

**Water Conservation** – Reducing the demand for water through activities that alter water use practices, e.g., improving efficiency in water use, and reducing losses of water from leaks.

**Water Quality** – The chemical, physical and biological characteristics of water with respect to its suitability for a particular purpose. The same water may be of good quality for one purpose or use, and bad for another, depending on its characteristics and the requirements for the particular use.

**Well** – A vertical drilled hole into an underground formation, usually to obtain a source of water, to monitor ground water quality or to determine the position of the water table.

**X**

**Y**

**Z**



May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Bruce M. Kamilos, Assistant General Manager

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2020-24 CAPITAL IMPROVEMENT PROGRAM**

### **RECOMMENDATION**

It is recommended that the Florin Resource Conservation District Board of Directors approve Resolution 05.15.19.01 adopting the Elk Grove Water District Fiscal Year 2020-24 Capital Improvement Program and approving an appropriation of \$1,838,000 from designated reserve funds to the Fiscal Year 2019-20 Capital Improvement Program budget.

### **SUMMARY**

The Fiscal Year (FY) 2020-24 Capital Improvement Program (CIP) describes capital improvement projects planned by the Elk Grove Water District (EGWD) over the next five (5) FY's. District staff presented the FY 2020-24 CIP at the Infrastructure Committee meeting held on April 10, 2019. Comments and recommendations from that meeting have been incorporated into the FY 2020-24 CIP. The final version of the FY 2020-24 CIP (Attachment) is being presented to the Florin Resource Conservation District (FRCD) Board of Directors (Board) for consideration.

### **DISCUSSION**

#### **Background**

The FY 2020-24 CIP describes capital improvement projects planned by EGWD over the next five (5) FY's. The CIP serves as a blueprint for the development, rehabilitation, and replacement of the EGWD's water system infrastructure, and other facilities owned and operated by the District. EGWD staff presented the FY 2020-24 CIP to the Infrastructure Committee on April 10, 2019. Comments and recommendations from that meeting have been incorporated into the final version of the FY 2020-24 CIP.



## **ELK GROVE WATER DISTRICT FISCAL YEAR 2020-24 CAPITAL IMPROVEMENT PROGRAM**

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### Present Situation

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

- The Elk Grove Water Main project has been deferred and is not included in this CIP.
- A well rehabilitation occurring in FY 2000-21 has been added to the Well Rehabilitation Program.
- Unspent FY 2018-19 capital funds in the amount of \$290,000 for the Backyard Water Mains/Services Replacement project have been carried over and added to FY 2019-20. The FY 2019-20 total for this project is \$1,240,000.
- Unspent FY 2018-19 capital funds in the amount of \$125,000 for the Well 3 Pump Replacement project have been carried over to the FY 2019-20. The FY 2019-20 amount for this project is \$125,000.

### New Projects

- 2<sup>nd</sup> Ave. Water Main
- Plaza Park Dr. Water Main
- Durango Way. Water Main
- Aizenberg Cir. Water Main Looping
- Chlorine Analyzers Shallow Wells
- Well 4D Radio Antenna
- Railroad Water Treatment Facility (RRWTF) Variable Frequency Drives (VFD's)

The final version of the FY 2020-24 CIP is being presented to the Board for consideration. Although the FY 2020-24 CIP is a five-year program, the CIP is funded on a year-to-year basis. District staff, therefore, recommends that the Board approve an appropriation of \$1,838,000 from designated reserve funds to the FY 2019-20 CIP budget.

**ELK GROVE WATER DISTRICT FISCAL YEAR 2020-24 CAPITAL IMPROVEMENT PROGRAM**

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Page 3

**ENVIRONMENTAL CONSIDERATIONS**

The adoption of the FY 2020-24 CIP does not in and of itself have a physical effect on the environment. Any environmental considerations related to the projects contained in the FY 2020-24 CIP will be addressed in the future consistent with California Environmental Quality Act (CEQA). Staff reports requesting authorization from the Board to proceed will address environmental considerations at that time.

**STRATEGIC PLAN CONFORMITY**

The recommendation made in this staff report conforms to FRCD/EGWD's Strategic Plan. As part of ensuring financial stability, the Strategic Plan directs EGWD to address capital needs through the development of a multi-year CIP with "pay-as-you-go" funding.

**FINANCIAL SUMMARY**

The financial impact of the FY 2020-24 CIP on capital funds is \$7,141,000 over five (5) FY's. A breakdown by year of capital funds required is as follows.

FY 2019-20	\$1,838,000
FY 2020-21	\$1,411,000
FY 2021-22	\$988,000
FY 2022-23	\$1,422,000
<u>FY 2023-24</u>	<u>\$1,482,000</u>
Total	\$7,141,000

To fund the FY 2019-20 CIP, EGWD staff recommends that the Board approve an appropriation of \$1,838,000 from designated reserves to the FY 2019-20 CIP budget.

Respectfully submitted,



BRUCE M. KAMILOS  
ASSISTANT GENERAL MANAGER

Attachment

**RESOLUTION No. 05.15.19.01**

**RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE FLORIN RESOURCE CONSERVATION DISTRICT  
ADOPTING THE ELK GROVE WATER DISTRICT FISCAL YEAR 2020-24 CAPITAL  
IMPROVEMENT PROGRAM AND APPROVING AN APPROPRIATION OF \$1,838,000  
FROM DESIGNATED RESERVE FUNDS TO THE FISCAL YEAR 2019-20 CAPITAL  
IMPROVEMENT PROGRAM BUDGET**

**WHEREAS**, the Elk Grove Water District Fiscal Year 2020-24 Capital Improvement Program (hereinafter “FY 2020-24 CIP”) has been presented to the Infrastructure Committee on April 10, 2019 for review; and

**WHEREAS**, District staff have incorporated the comments and recommendations from the above mentioned meeting into the final version of the Elk Grove Water District FY 2020-24 CIP; and

**WHEREAS**, the adoption of the Elk Grove Water District FY 2020-24 CIP does not in and of itself have a physical effect on the environment. Any environmental considerations related to the projects contained in the Elk Grove Water District FY 2020-24 CIP will be addressed in the future consistent with the California Environmental Quality Act (CEQA); and

**WHEREAS**, the adoption of the Elk Grove Water District FY 2020-24 CIP conforms to Florin Resource Conservation District/Elk Grove Water District’s Strategic Plan. The Strategic Plan directs the District to address capital needs through the development of a multi-year capital improvement program with “pay-as-you-go” funding; and

**WHEREAS**, the financial impact of the Elk Grove Water District FY 2020-24 CIP on capital funds is \$7,141,000 over the next five fiscal years, the actual commitment of CIP funds is done on a year-to-year basis with \$1,838,000 being requested for the FY 2019-20 Capital Improvement Program.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the District as follows:

Section 1. The Board of Directors hereby adopts the Elk Grove Water District Fiscal Year 2020-24 Capital Improvement Program.

Section 2. The Board of Directors hereby appropriates \$1,838,000 from designated reserve funds to the Fiscal Year 2019-20 Capital Improvement Program Budget.

Section 3. The Secretary to the Board shall certify to the passage and adoption of this resolution and the same shall take effect and be in force upon its adoption.

**APPROVED AND ADOPTED** this 15th day of May, 2019.

**AYES:**  
**NOES:**  
**ABSENT:**  
**ABSTAIN:**

---

Tom Nelson  
Chairperson of the Board of Directors

ATTEST:

---

Stefani Phillips  
Secretary to the Board of Directors

APPROVED AS TO FORM:

---

General Counsel

**EXHIBIT “A”**

“ELK GROVE WATER DISTRICT FY 2020-24 CAPITAL IMPROVEMENT PROGRAM.”

*[Attached behind this cover page]*



# FY 2020-24 CAPITAL IMPROVEMENT PROGRAM

## BOARD OF DIRECTORS

Tom Nelson, Chair

Bob Gray, Vice Chair

Lisa Medina, Director

Sophia Scherman, Director

Elliot Mulberg, Director



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## OVERVIEW

The Elk Grove Water District's (District) FY 2020-24 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects in fiscal years 2019/20 through 2023/24. The CIP is reviewed and updated on an annual basis, and is a key component of the District's overall Strategic Plan. The CIP is an important document for performing water rate studies and for managing the District's operations. The CIP also provides a basis to align District plans with other local agency plans so that an integrated approach may be applied to projects within the community at large.

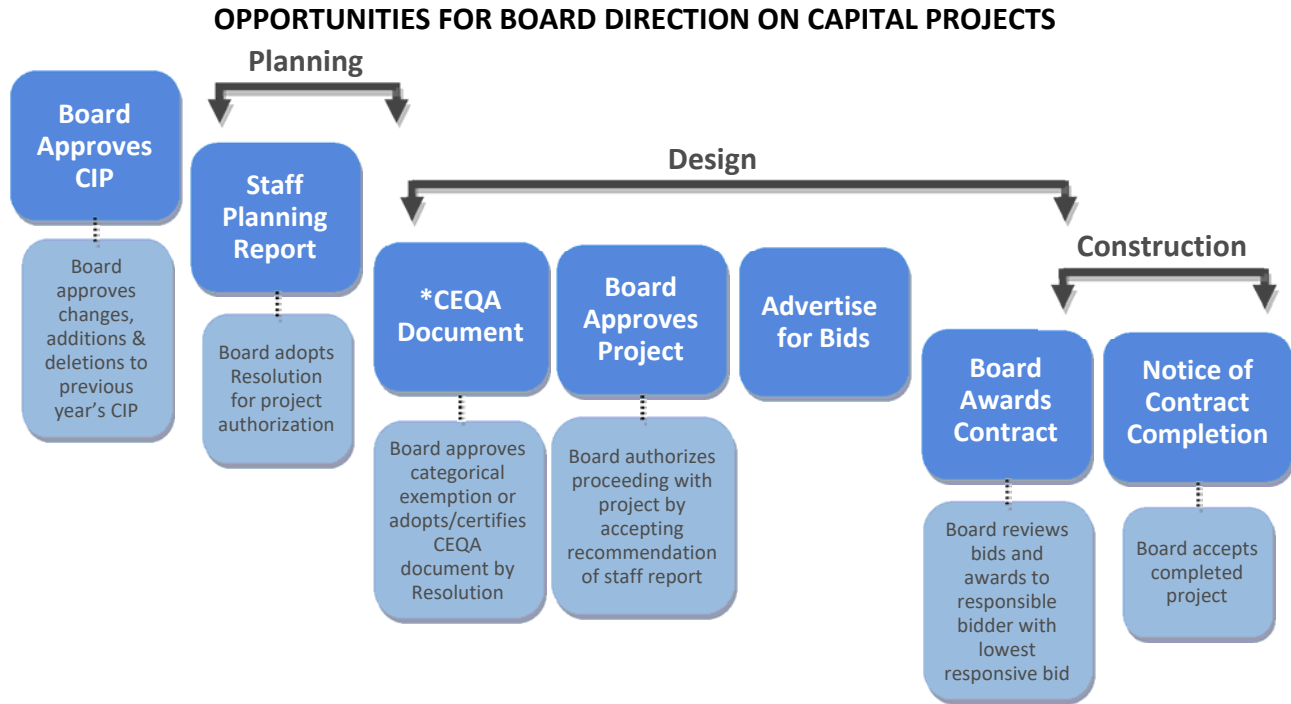
Annually, District staff members and the General Manager meet to identify projects to be included in the CIP. Each project defined in the CIP is summarized by a brief project description and justification. The project location, timing, expenditure schedule, funding source, impact on operating costs and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

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

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

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

**FIGURE 1**



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

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

On the following page, Table 1 presents the project funding schedule of capital improvements for fiscal years 2019/20 through 2023/24. Each project was scored on a score sheet using priority ranking criteria. (All of the score sheets are provided in Appendix B.) A project priority list (Appendix A) was generated based on the priority scores from the score sheets. Projects with a priority score of 80-100 were assigned a priority 1. Projects with a priority score of 70-79 were assigned a priority 2. Projects with a priority score of 60-69 were assigned a priority 3. Projects with a priority score of 40-59 were assigned a priority 4. Projects with a priority score of 0-39 were assigned a priority 5. Detailed information for each project can be found starting on page 10 of this document. The detailed information for each project is presented in the same order as that in Table 1.

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

Priority	PROJECT NAME	(in thousands \$)					Total
		FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
<b>METER RETROFIT PROGRAM</b>							
2	Water Meter Replacement Program <i>pg. 10</i>	-	-	-	366	377	743
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>							
3	Truman St./Adams St. Water Main <i>pg. 12</i>	-	-	-	251	-	251
3	School/Locust/Summit Alley Water Main <i>pg. 14</i>	-	499	-	-	-	499
3	Elk Grove Blvd Grove St. Alley Water Main <i>pg. 16</i>	-	-	215	-	-	215
3	Locust St.-Elk Grove Blvd Alley/Derr St. Water Main <i>pg. 18</i>	-	210	-	-	-	210
2	Lark St. Water Main <i>pg. 20</i>	-	227	-	-	-	227
3	Grove St. Water Main <i>pg. 22</i>	-	-	-	290	-	290
1	Well Rehabilitation Program <i>pg. 24</i>	98	100	103	-	110	411
3	Railroad Corridor Water Line <i>pg. 26</i>	-	-	-	137	-	137
3	Backyard Water Mains/Services Replacement <i>pg. 28</i>	1,240 <sup>1</sup>	-	-	-	-	1,240
4	Cadura Circle Water Main Looping <i>pg. 30</i>	-	-	-	32	-	32
4	Kilkenny Ct. Water Main <i>pg. 32</i>	-	-	135	-	-	135
4	Leo Virgo Ct. Water Main <i>pg. 34</i>	-	-	-	141	-	141
3	2nd Ave. Water Main <i>pg. 36</i>	-	-	86	-	-	86
4	Plaza Park Dr. Water Main <i>pg. 38</i>	-	-	-	-	506	506
4	Durango Wy. Water Main <i>pg. 40</i>	-	-	-	-	244	244
4	Aizenberg Cir. Water Main Looping <i>pg. 42</i>	-	-	79	-	-	79
<b>TREATMENT IMPROVEMENTS</b>							
1	Well 3 Pump Replacement <i>pg. 44</i>	125 <sup>2</sup>	-	-	-	-	125
2	Chlorine Analyzers Shallow Wells <i>pg. 46</i>	-	50	-	-	-	50
1	Well 4D Radio Antenna <i>pg. 48</i>	30	-	-	-	-	30
1	RRWTF Variable Frequency Drives <i>pg. 50</i>	75	-	-	-	-	75
<b>BUILDING &amp; SITE IMPROVEMENTS / VEHICLES</b>							
3	Truck Replacements <i>pg. 52</i>	120	150	120	105	145	640
4	HVWTP Roof Replacement <i>pg. 54</i>	20	-	-	-	-	20
2	Vacuum Excavator <i>pg. 56</i>	-	75	-	-	-	75
2	Directional Drilling Machine <i>pg. 58</i>	-	-	150	-	-	150
1	I.T. Servers <i>pg. 60</i>	30	-	-	-	-	30
<b>UNFORESEEN CAPITAL PROJECTS</b>							
	Unforeseen Capital Projects <i>pg. 62</i>	100 <sup>3</sup>	100	100	100	100	500
<b>TOTAL</b>		<b>1,838</b>	<b>1,411</b>	<b>988</b>	<b>1,422</b>	<b>1,482</b>	<b>7,141</b>

**Footnotes:**

1. \$290,000 carried over from previously approved FY 18/19 CIP budget.
2. \$125,000 carried over from previously approved FY 18/19 CIP budget.
3. Includes \$1,423,000 new money and \$415,000 carryover from previously approved FY 18/19 CIP budget.

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

Table 2  
Funding Source Requirements  
User Fees

FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>CAPITAL IMPROVEMENT FUNDS</b>						
Meter Retrofit Program	-	-	-	366	377	743
Supply/Distribution Improvements	-	-	79	169	-	248
Treatment Improvements	230	50	-	-	-	280
Building & Site Improvements/Vehicles	150	225	270	105	145	895
SUB-TOTAL	380	275	349	640	522	2,166
<b>CAPITAL REPAIR/REPLACEMENT FUNDS</b>						
Supply/Distribution Improvements	1338	1,036	539	682	860	4,455
Treatment Improvements	-	-	-	-	-	0
Building & Site Improvements/Vehicles	20	-	-	-	-	20
SUB-TOTAL	1,358	1,036	539	682	860	4,475
<b>UNFORESEEN CAPITAL PROJECT FUNDS</b>						
Unforeseen Capital Projects	100	100	100	100	100	500
SUB-TOTAL	100	100	100	100	100	500
<b>TOTAL</b>	<b>1,838</b>	<b>1,411</b>	<b>988</b>	<b>1,422</b>	<b>1,482</b>	<b>7,141</b>

Table 3  
Funding Source Requirements  
Connection Fees

FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>CAPITAL IMPROVEMENT FUNDS</b>						
Supply/Distribution Improvements	-	-	-	-	-	0
Treatment Improvements	-	-	-	-	-	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Table 4A  
 Schedule of User Fees  
 Meter Retrofit Program  
 Capital Improvement Funds

CAPITAL IMPROVEMENT FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>METER RETROFIT PROGRAM</b>						
Water Meter Replacement Program	-	-	-	366	377	743
TOTAL	0	0	0	366	377	743

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

CAPITAL IMPROVEMENT FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>						
Railroad Corridor Water Line	-	-	-	137	-	137
Cadura Circle Water Main Looping	-	-	-	32	-	32
Aizenberg Cir. Water Main Looping	-	-	79	-	-	79
TOTAL	0	0	79	169	0	248

Table 4C  
 Schedule of User Fees  
 Treatment Improvements  
 Capital Improvement Funds

CAPITAL IMPROVEMENT FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>TREATMENT IMPROVEMENTS</b>						
Well 3 Pump Replacement	125	-	-	-	-	125
Chlorine Analyzers Shallow Wells	-	50	-	-	-	50
Well 4D Radio Antenna	30	-	-	-	-	30
RRWTF Variable Frequency Drives	75	-	-	-	-	75
<b>TOTAL</b>	<b>230</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280</b>

Table 4D  
 Schedule of User Fees  
 Building & Site Improvements/Vehicles  
 Capital Improvement Funds

CAPITAL IMPROVEMENT FUND	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>BUILDING &amp; SITE IMPROVEMENTS</b>						
Truck Replacements	120	150	120	105	145	640
Vacuum Excavator	-	75	-	-	-	75
Directional Drilling Machine	-	-	150	-	-	150
I.T. Servers	30	-	-	-	-	30
<b>TOTAL</b>	<b>150</b>	<b>225</b>	<b>270</b>	<b>105</b>	<b>145</b>	<b>895</b>

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

CAPITAL REPAIR/REPLACEMENT	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>SUPPLY / DISTRIBUTION IMPROVEMENTS</b>						
Truman St./Adams St. Water Main	-	-	-	251	-	251
School/Locust/Summit Alley Water Main	-	499	-	-	-	499
Elk Grove Blvd Grove St. Alley Water Main	-	-	215	-	-	215
Locust St.-Elk Grove Blvd Alley/Derr St. Water M	-	210	-	-	-	210
Lark St. Water Main	-	227	-	-	-	227
Grove St. Water Main	-	-	-	290	-	290
Well Rehabilitation Program	98	100	103	-	110	411
Backyard Water Mains/Services Replacement	1,240	-	-	-	-	1240
Kilkenny Ct. Water Main	-	-	135	-	-	135
Leo Virgo Ct. Water Main	-	-	-	141	-	141
2nd Ave. Water Main	-	-	86	-	-	86
Plaza Park Dr. Water Main	-	-	-	-	506	506
Durango Wy. Water Main	-	-	-	-	244	244
<b>TOTAL</b>	<b>1,338</b>	<b>1,036</b>	<b>539</b>	<b>682</b>	<b>860</b>	<b>4,455</b>

Table 4F  
 Schedule of User Fees  
 Treatment Improvements  
 Capital Repair/Replacement Funds

CAPITAL REPAIR/REPLACEMENT	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
<b>TREATMENT IMPROVEMENTS</b>						
None	-	-	-	-	-	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



Table 4F  
 Schedule of User Fees  
 Building & Site Improvements/Vehicles  
 Capital Repair/Replacement Funds

CAPITAL REPAIR/REPLACEMENT		FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
BUILDING & SITE IMPROVEMENTS							
HVWTP Roof Replacement		20	-	-	-	-	20
	TOTAL	20	0	0	0	0	20

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

UNFORESEEN CAPITAL PROJECTS		FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
Unforeseen Capital Projects		100	100	100	100	100	500
	TOTAL	100	100	100	100	100	500

Table 5A  
 Schedule of Connection Fees  
 Supply / Distribution Improvements

CAPITAL IMPROVEMENT FUND		FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
SUPPLY / DISTRIBUTION IMPROVEMENTS							
None		-	-	-	-	-	0
	TOTAL	0	0	0	0	0	0

Table 5B  
 Schedule of Connection Fees  
 Treatment Improvements

CAPITAL IMPROVEMENT FUND		FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Total
TREATMENT IMPROVEMENTS							
None		-	-	-	-	-	0
	TOTAL	0	0	0	0	0	0

<b>Project</b>	<b>Water Meter Replacement Program</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Meter Retrofit Program
<b>Priority</b>	2
<b>Project No.</b>	101



**PROJECT DESCRIPTION**

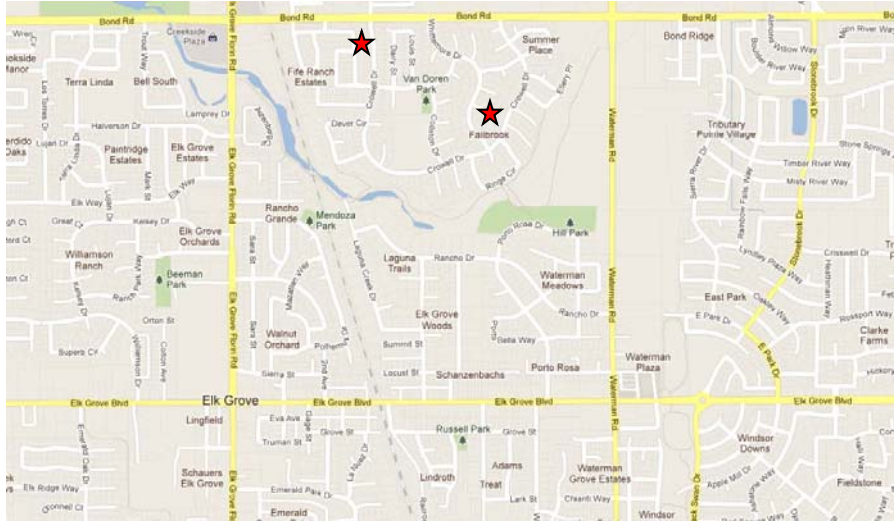
This project uses District employee personnel to replace water meters on customer services that are beyond their useful life. The project will be conducted in three phases, with Phase I replacing approximately 1,500 meters.

**JUSTIFICATION**

Water meters have a typical useful life of 20-25 years. The internal parts of water meters that have been in service for this period of time can become worn, affecting the accuracy of the meters. By year 2022, one-third of the District’s meters, or approximately 4,500 meters, will be 20-plus years old.

**PROJECT LOCATION**

The meter replacement project will cover the Camden, Fallbrook and Hampton areas, as well as other areas that are determined to be 20-plus years old.



★ Project Location

## SCHEDULE & STATUS

This project is scheduled to begin in FY 22/23, FY 23/24 and FY 24/25.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Water Meter Replacement Program	0	0	0	335	335	670
with inflation (3%)	0	0	0	366	377	743

*Expenditure breakdown: no design costs, 100% construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Meter Retrofit Program	743
<b>Total</b>	<b>743</b>

## OPERATING COST IMPACTS

The completion of this project is anticipated to increase revenue by \$38,000 per year as a result of improving water consumption accuracy by 3%.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Truman St./Adams St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

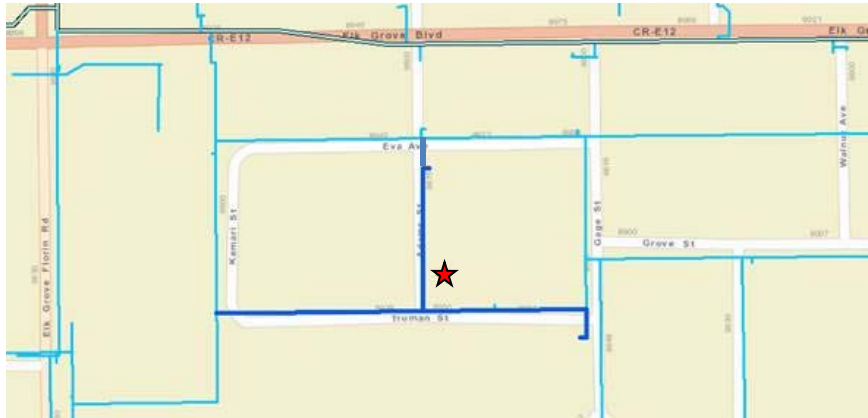
This project installs approximately 700 lineal feet of 8” C900 PVC water main in Truman Street and 380 lineal feet of 8” C900 PVC water main in Adams Street for a total 1,025 lineal feet of 8” C900 PVC water main.

**JUSTIFICATION**

Truman Street and Adams Street are currently served by 4” water mains installed in 1975. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. The lots on Truman Street and Adams Street are served by 3/4” service lines. This project installs an 8” water main in Truman Street and Adams Street to current EGWD standards and replaces the 3/4” service lines with 1” service lines. It also connects the water main in Adams Street to the existing water main in Eva Street to provided looped service.

**PROJECT LOCATION**

The project is located on Truman Street and Adams Street.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 21/22 and construction is scheduled to occur in FY 22/23.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Truman St./Adams St. Water Main	0	0	0	230	0	0
with inflation (3%)	0	0	0	251	0	251

*Expenditure breakdown: \$6,000 design, \$245,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	251
<b>Total</b>	<b>251</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>School/Locust/Summit Alley Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

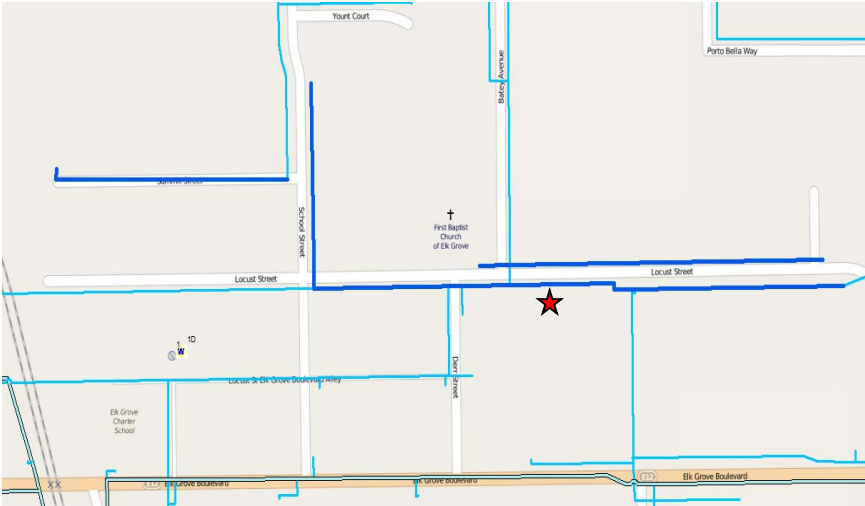
This project installs approximately 225 lineal feet of 8” C900 PVC water main in School Street, 1,300 lineal feet of 8” C900 PVC water main in Locust Street, and 625 lineal feet of 8” C900 PVC water main in Summit St. Alley for a total 2,150 lineal feet of 8” C900 PVC water main.

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on School Street, Locust Street, and Summit Alley.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 19/20 and construction is scheduled to occur in FY 20/21.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
School/Locust/Summit Alley Water Main	0	484	0	0	0	484
with inflation (3%)	0	499	0	0	0	499

*Expenditure breakdown: \$9,000 design, \$490,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	499
<b>Total</b>	<b>499</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Elk Grove Blvd Grove St. Alley Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project installs approximately 900 lineal feet of 8” C900 PVC water main in Elk Grove Blvd Grove St. Alley.

**JUSTIFICATION**

Elk Grove Blvd Grove St. Alley is currently served by a 4” water main installed in 1975. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. Also, the lots on Elk Grove Blvd Grove St. Alley are served by 3/4” service lines. This project installs an 8” water main in Elk Grove Blvd Grove St. Alley to current EGWD standards and replaces the 3/4” service lines with 1” service lines.

**PROJECT LOCATION**

The project is located on Elk Grove Blvd Grove St. Alley.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 20/21 and construction is scheduled to occur in FY 21/22.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Elk Grove Blvd Grove St. Alley Water Main	0	0	203	0	0	203
with inflation (3%)	0	0	215	0	0	215

*Expenditure breakdown: \$7,500 design, \$207,500 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	215
<b>Total</b>	<b>215</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Locust St.-Elk Grove Blvd Alley/Derr St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

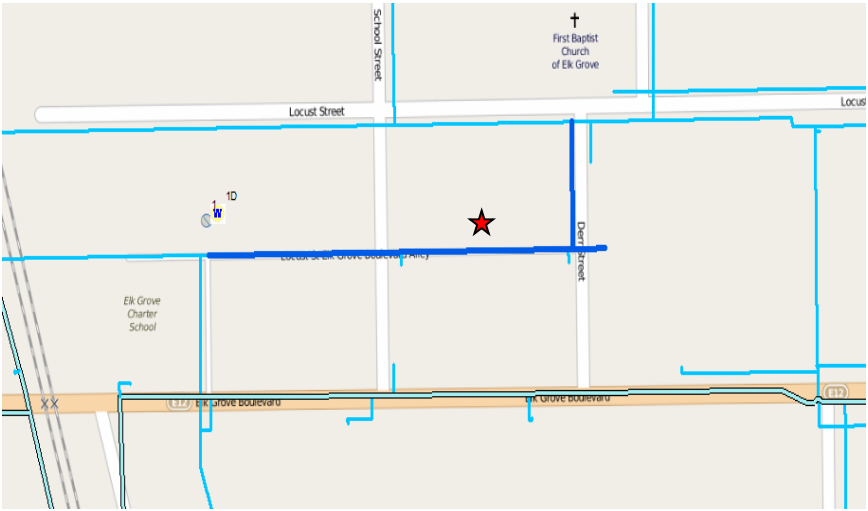
This project installs approximately 725 lineal feet of 8” C900 PVC water main in Locust St.-Elk Grove Blvd Alley and 175 lineal feet of 8” C900 PVC water main in Derr Street.

**JUSTIFICATION**

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

**PROJECT LOCATION**

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



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 19/20 and construction is scheduled to occur in FY 20/21.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Locust St.-Elk Grove Blvd Alley/Derr St. Water Main	0	204	0	0	0	204
with inflation (3%)	0	210	0	0	0	210

*Expenditure breakdown: \$7,500 design, \$202,500 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	210
<b>Total</b>	<b>210</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Lark St. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	2
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

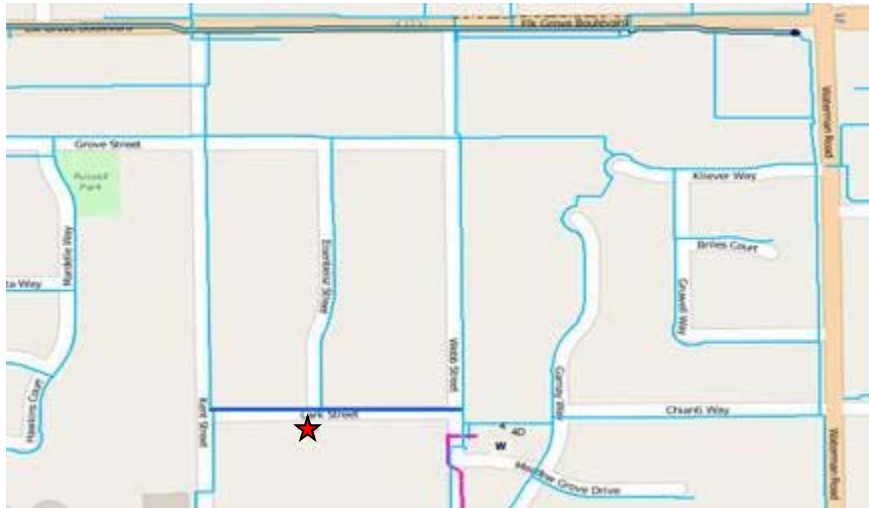
This project installs approximately 730 lineal feet of 8” C900 PVC water main in Lark Street and 250 lineal feet of 8” C900 PVC water main in Eisenbeisz Street.

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on Lark Street and Eisenbeisz Street.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 19/20 and construction is scheduled to occur in FY 20/21.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Lark St. Water Main	0	220	0	0	0	220
with inflation (3%)	0	227	0	0	0	227

*Expenditure breakdown: \$7,500 design, \$219,500 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	227
<b>Total</b>	<b>227</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

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



**PROJECT DESCRIPTION**

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

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on Grove Street.



★ Project Location

— Proposed Water Main

— Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 21/22 and construction is scheduled to occur in FY 22/23.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Grove St. Water Main	0	0	0	265	0	265
with inflation (3%)	0	0	0	290	0	290

*Expenditure breakdown: \$7,500 design, \$282,500 construction***FUNDING SOURCES**

(in thousands \$)

## USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	290
<b>Total</b>	<b>290</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Well Rehabilitation Program</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	1
<b>Project No.</b>	503



**PROJECT DESCRIPTION**

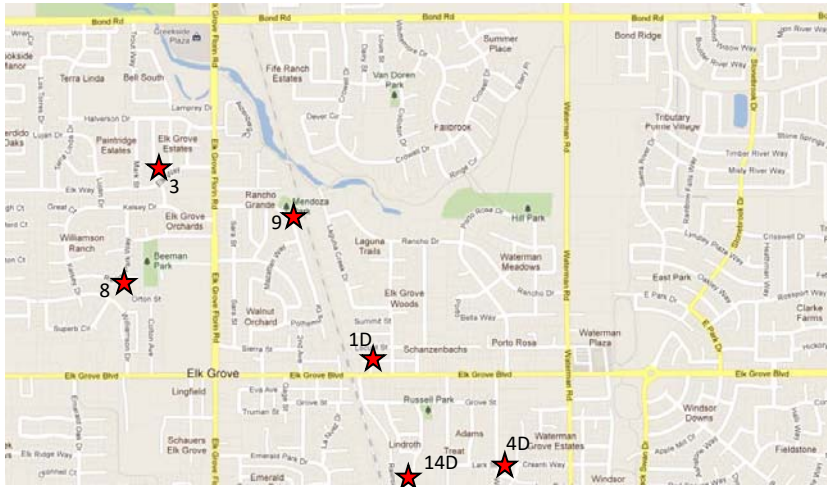
The well rehabilitation program provides for well rehabilitation projects on an as needed basis.

**JUSTIFICATION**

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

**PROJECT LOCATION**

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



★ Project Location

## SCHEDULE & STATUS

These projects are scheduled for FY 19/20, FY 21/22 and FY 23/24.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Well Rehabilitation Program	98	98	98	0	98	392
with inflation (3%)	98	100	103	0	110	411

*Expenditure breakdown: \$15,000 design, \$296,000 construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	411
<b>Total</b>	<b>411</b>

## OPERATING COST IMPACTS

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

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

<b>Project</b>	<b>Railroad Corridor Water Line</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	210



**PROJECT DESCRIPTION**

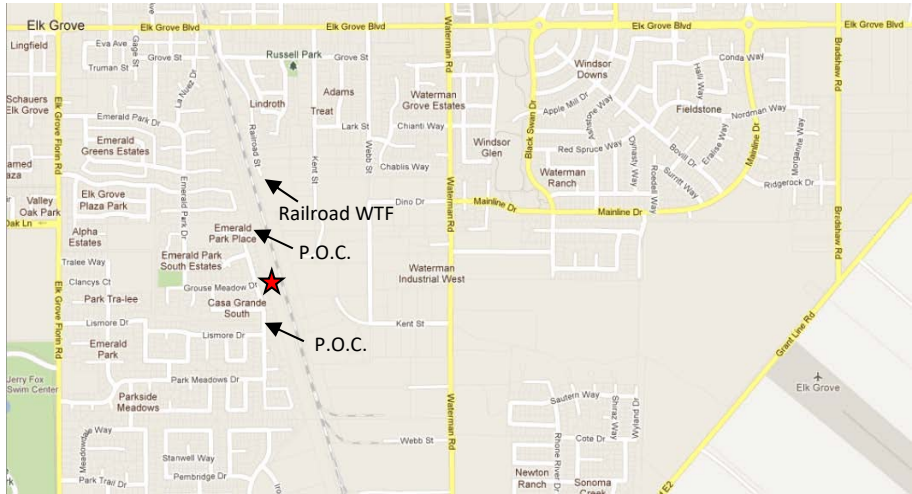
This project connects the recently completed Railroad Corridor transmission main to two (2) additional points of connection (POC) of the District’s water distribution system. These POCs are located along Falcon Meadow Dr.

**JUSTIFICATION**

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

**PROJECT LOCATION**

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



★ Project Location

## SCHEDULE & STATUS

Engineering is scheduled to occur in FY 21/22 and construction is scheduled to occur in FY 22/23.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Railroad Corridor Water Line	0	0	0	125	0	125
with inflation (3%)	0	0	0	137	0	137

*Expenditure breakdown: \$20,000 design, \$117,000 construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	137
<b>Total</b>	<b>137</b>

## OPERATING COST IMPACTS

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

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Backyard Water Mains/ Services Replacements</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	505



**PROJECT DESCRIPTION**

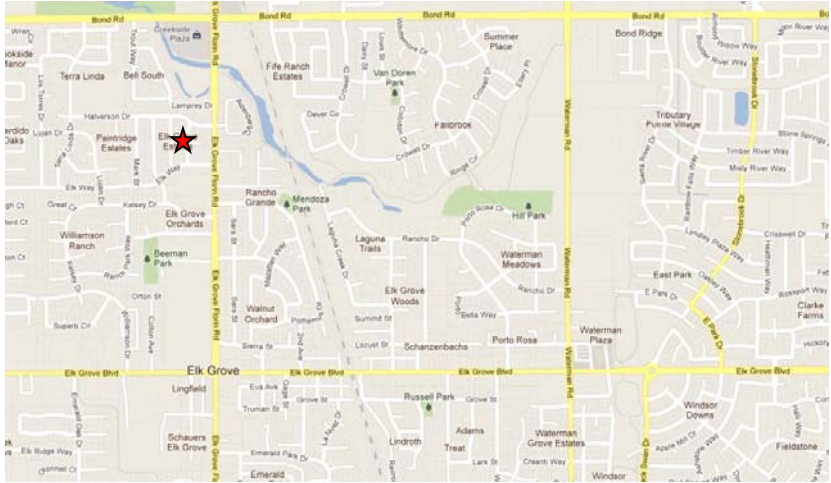
This project replaces existing 4” water mains with larger diameter water mains and relocates the mains from backyard public utilities easements to rights-of-ways in the streets. Water services will be moved from the backyards to the front sides of homes.

**JUSTIFICATION**

Some of the District’s older areas are served by 4” water mains located in backyard public utilities easements. EGWD standard construction specifications specify minimum size of water mains to be 8” diameter. This project will bring undersized water mains up to current EGWD standards and will place water mains on the front sides of properties for better access.

**PROJECT LOCATION**

Project locations include Elk Grove-Florin (Frontage), Sara Street, Durango Way, Mary Ellen Way, Mark Street, Emily Street, Barth Street, Amethyst Court, Garnet Court, Elk Way, Kelsey Drive, Sharkey Avenue, Fenton Court, and Skydome Court. Due to the many locations, the project locations are not shown.



★ Project Location

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 18/19 and construction is scheduled to occur in FY 19/20.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Backyard Water Mains/Services Replacements	1,240	0	0	0	0	1,240
with inflation (3%)	1,240	0	0	0	0	1,240

*Expenditure breakdown: \$1,240,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	1,240
<b>Total</b>	<b>1,240</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

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



**PROJECT DESCRIPTION**

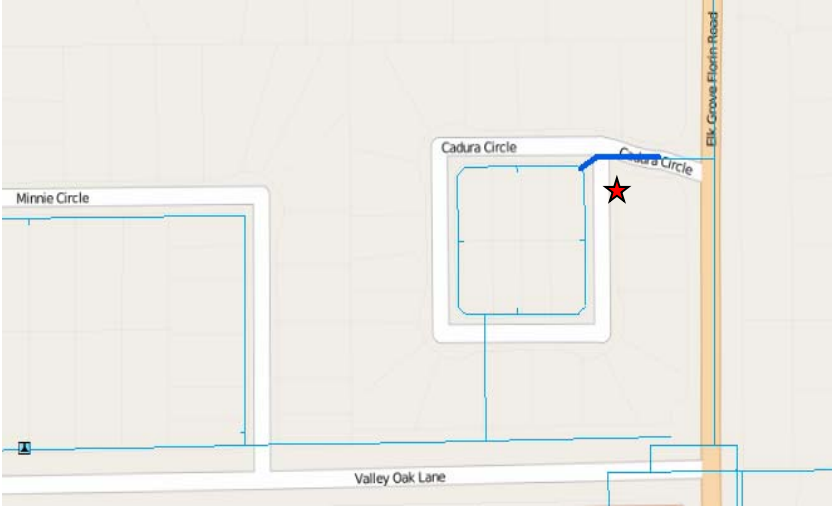
This project installs approximately 130 lineal feet of 8” C900 PVC water main to provide a water main loop so that Cadura Circle is fed by two (2) water mains.

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on Cadura Circle.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 21/22 and construction is scheduled to occur in FY 22/23.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Cadura Circle Water Main Looping	0	0	0	29	0	29
with inflation (3%)	0	0	0	32	0	32

*Expenditure breakdown: \$2,000 design, \$30,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	32
<b>Total</b>	<b>32</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Kilkenny Ct. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4
<b>Project No.</b>	TBD



## PROJECT DESCRIPTION

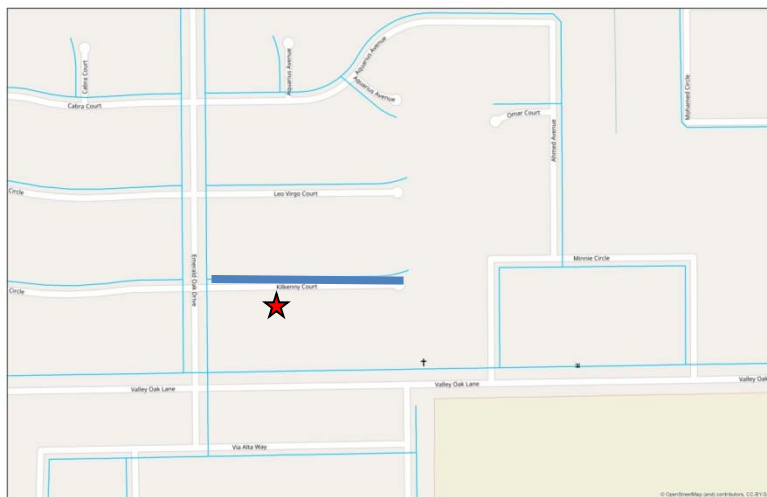
This project installs approximately 575 lineal feet of 8” C900 PVC water main in Kilkenny Court.

## JUSTIFICATION

Kilkenny Court is currently served by a 6” water main installed in 1980. The material of the water main is asbestos-cement pipe (ACP). Repairs on this water main in December 2016 revealed that the wall of the ACP is becoming soft from water absorption. Due to the deteriorating condition of the pipe, it is time to replace this water main and bring it up to current EGWD standard construction specifications. EGWD standard construction specifications require a minimum pipe diameter of 8”, and pipe material of either PVC or ductile iron.

## PROJECT LOCATION

The project is located on Kilkenny Court.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 20/21 and construction is scheduled to occur in FY 21/22.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Kilkenny Water Main	0	0	127	0	0	127
with inflation (3%)	0	0	135	0	0	135

*Expenditure breakdown: \$3,000 design, \$132,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	135
<b>Total</b>	<b>135</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Leo Virgo Ct. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

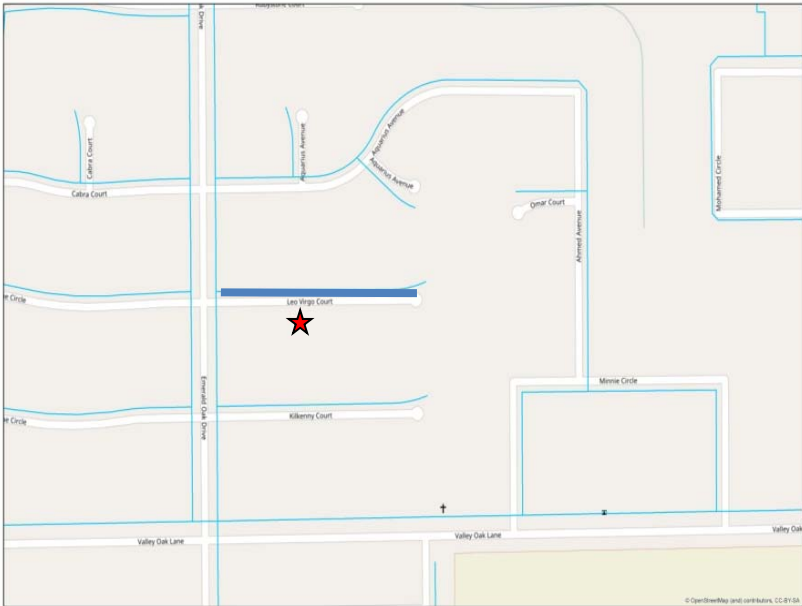
This project installs approximately 575 lineal feet of 8” C900 PVC water main in Leo Virgo Court.

**JUSTIFICATION**

Leo Virgo Court is currently served by a 6” water main installed in 1980. The material of the water main is asbestos-cement pipe (ACP). Repairs on this water main in July 2016 revealed that the wall of the ACP is becoming soft from water absorption. Due to the deteriorating condition of the pipe, it is time to replace this water main and bring it up to current EGWD standard construction specifications. EGWD standard construction specifications require a minimum pipe diameter of 8”, and pipe material of either PVC or ductile iron.

**PROJECT LOCATION**

The project is located on Leo Virgo Court.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 21/22 and construction is scheduled to occur in FY 22/23.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Leo Virgo Ct. Water Main	0	0	0	129	0	129
with inflation (3%)	0	0	0	141	0	141

*Expenditure breakdown: \$4,000 design, \$137,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	141
<b>Total</b>	<b>141</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>2<sup>nd</sup> Ave. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	3
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

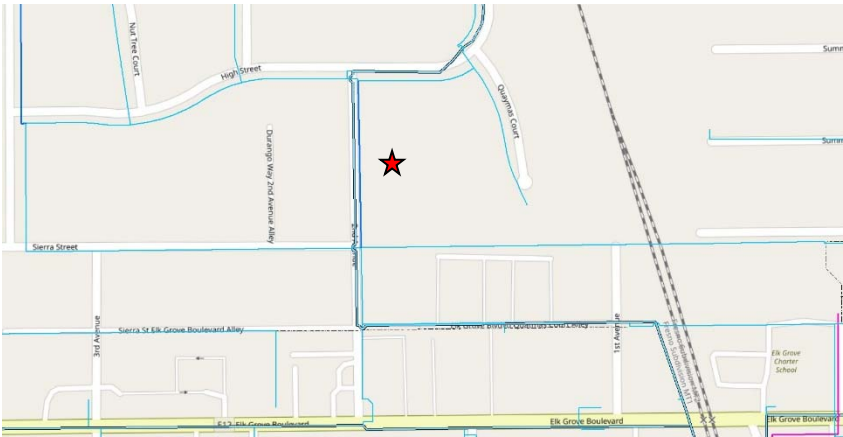
This project installs approximately 360 lineal feet of 8” C900 PVC water main in 2<sup>nd</sup> Avenue.

**JUSTIFICATION**

2<sup>nd</sup> Avenue is currently served by a 6” water main installed in 1965. The material of the water main is asbestos-cement pipe (ACP). When performing water service line replacement work on this water main in January 2019, crews discovered a broken 4” sanitary sewer lateral located 6” above the water main. There is a good possibility that all the sanitary sewer laterals on 2<sup>nd</sup> Avenue are located above EGWD’s water main. EGWD standard construction specifications require a minimum one foot (1’) vertical separation between the water main and the sanitary sewer lateral, with the water main located above the sewer lateral. EGWD will make every attempt to place the new water main above the sewer laterals. If it is not possible to place the water main above the sewer laterals due to lack of cover over the water main, then ductile iron pipe (pressure class 350) will be used for the water main instead of C900 PVC.

**PROJECT LOCATION**

The project is located on 2<sup>nd</sup> Avenue.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 20/21 and construction is scheduled to occur in FY 21/22.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
2 <sup>nd</sup> Ave. Water Main	0	0	81	0	0	0
with inflation (3%)	0	0	86	0	0	0

*Expenditure breakdown: \$3,000 design, \$83,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	86
<b>Total</b>	<b>86</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Plaza Park Dr. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

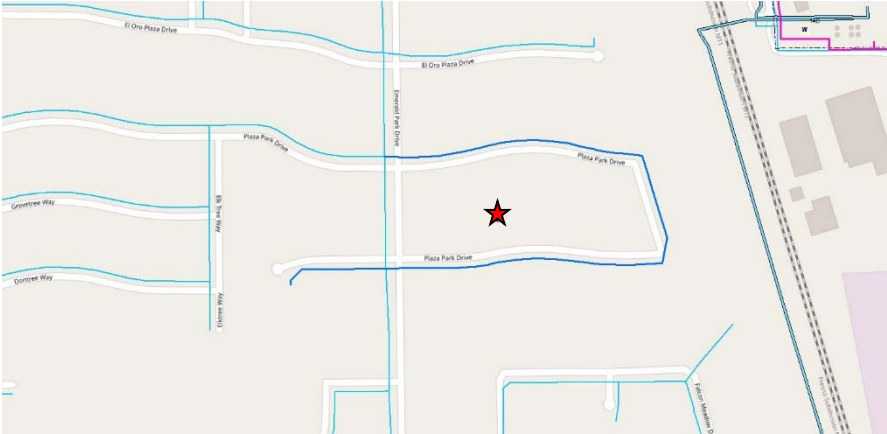
This project installs approximately 2,000 lineal feet of 8” C900 PVC water main in Plaza Park Drive.

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on Plaza Park Drive.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 22/23 and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Plaza Park Dr. Water Main	0	0	0	0	450	450
with inflation (3%)	0	0	0	0	506	506

*Expenditure breakdown: \$6,000 design, \$500,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	506
<b>Total</b>	<b>506</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years



<b>Project</b>	<b>Durango Wy. Water Main</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

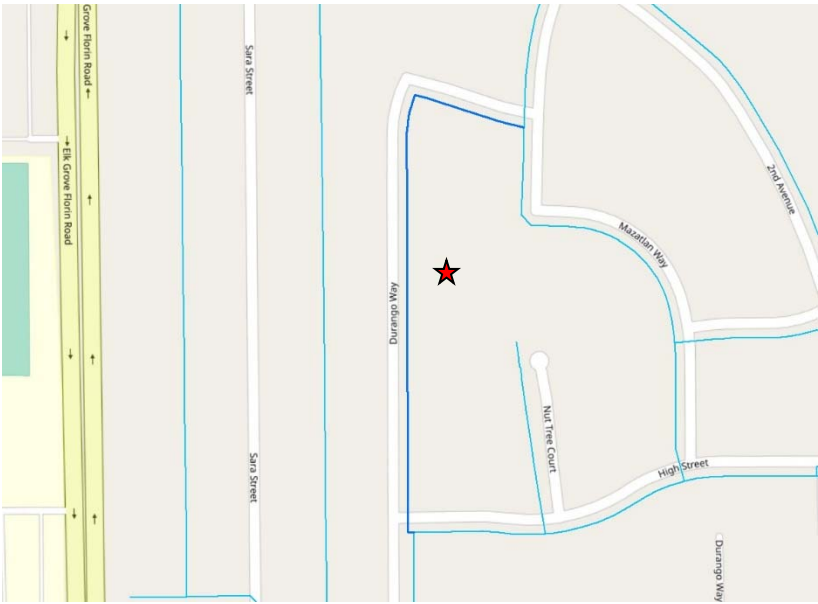
This project installs approximately 965 lineal feet of 8” C900 PVC water main in Durango Way.

**JUSTIFICATION**

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

**PROJECT LOCATION**

The project is located on Durango Way.



★ Project Location

— Proposed Water Main

— Existing Water Main

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 22/23 and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Durango Wy. Water Main	0	0	0	0	217	217
with inflation (3%)	0	0	0	0	244	244

*Expenditure breakdown: \$4,000 design, \$240,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	244
<b>Total</b>	<b>244</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by replacing an old water main, service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is estimated that the elimination of future leaks will result in an annual savings of \$1,200.

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Aizenberg Cir. Water Main Looping</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Supply / Distribution Improvements
<b>Priority</b>	4
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

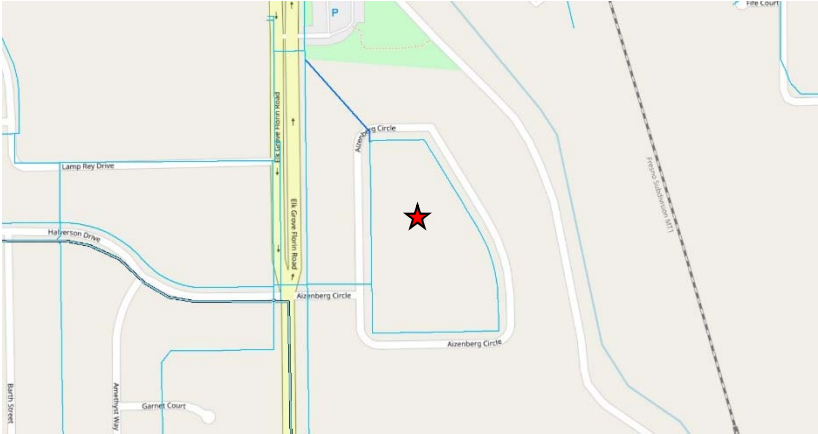
This project provides a second point of connection to a distribution water main that supplies water to seventy-six (76) single-family residences.

**JUSTIFICATION**

Seventy-six (76) single-family residences are located on Aizenberg Circle. EGWD currently serves water to these residences through an 8” water main in Aizenberg Circle. The 8” water main is connected through only one point-of-connection to another 8” water main in Elk Grove-Florin Road. Industry best practice is to provide two points-of-connection when serving water to greater than twenty-five (25) single-family residences. Two points-of-connection allow water service to continue to a large number of residences in the event the other point-of-connection is compromised. This project will require approximately 270 lineal feet of 8” C900 PVC water main and the granting of an easement along the property line of 9326 Aizenberg Circle and 9328 Aizenberg Circle.

**PROJECT LOCATION**

The project is located on Aizenberg Circle.



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

**SCHEDULE & STATUS**

Engineering is scheduled to occur in FY 22/23 and construction is scheduled to occur in FY 23/24.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Aizenberg Cir. Water Main Looping	0	0	75	0	0	75
with inflation (3%)	0	0	79	0	0	79

*Expenditure breakdown: \$4,000 design, \$75,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	79
<b>Total</b>	<b>79</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 125 years

<b>Project</b>	<b>Well 3 Pump Replacement</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	1
<b>Project No.</b>	309



**PROJECT DESCRIPTION**

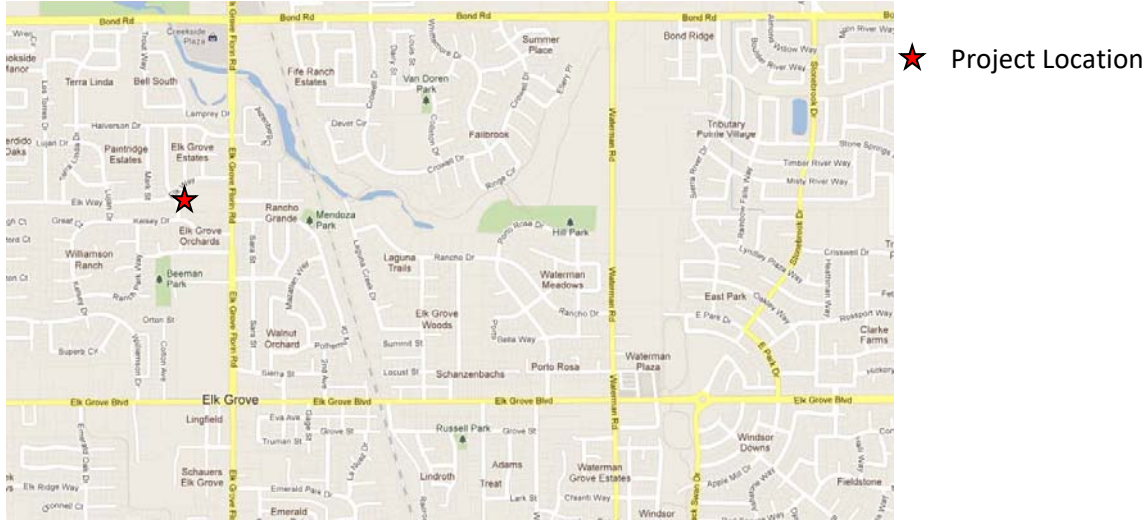
This project replaces the existing vertical turbine pump at Well 3 with a submersible pump and down-hole sand separator, and removes the hydropneumatic tank from the site.

**JUSTIFICATION**

Well 3 is currently equipped with a 75 hp vertical turbine pump with a design rate of 850 gpm at 252 feet of head. At a rated flow of 850 gpm, if demand in the water distribution system isn't high, the existing pump starts and stops frequently resulting in inefficient pump operations. Replacing the pump with a 40 hp submersible pump designed to pump 475 gpm at 268 feet of head will promote continuous, efficient operation of the pump, and eliminate the need for the hydropneumatic tank.

**PROJECT LOCATION**

The address for Well 3 is 9374 Emily Street, Elk Grove, California. The assessor's parcel number is APN 11601340130000.



## SCHEDULE & STATUS

Construction for this project is scheduled to occur in FY 19/20.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Well 3 Pump Replacement	125	0	0	0	0	125
with inflation (3%)	125	0	0	0	0	125

*Expenditure breakdown: \$5,000 engineering, \$120,000 construction*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	125
<b>Total</b>	<b>125</b>

## OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by \$1500 per year due to more efficient operation of the pump.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Chlorine Analyzers Shallow Wells</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	2
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

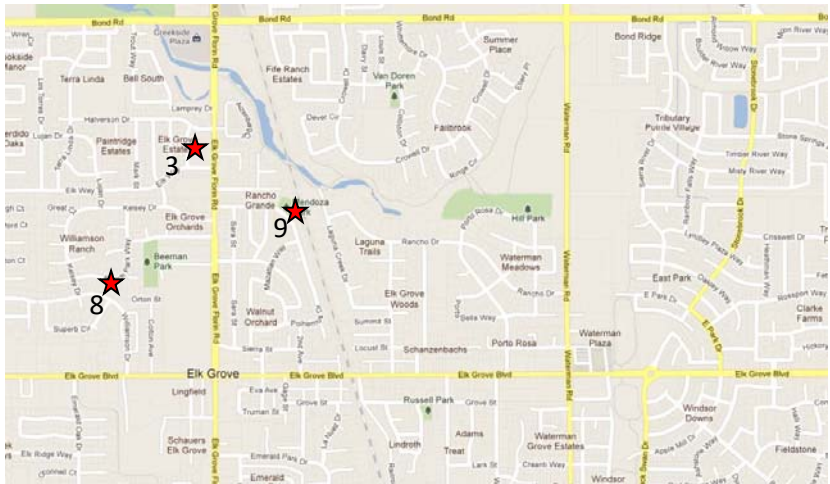
This project installs a chlorine analyzer at each of the three (3) shallow wells and connects the information to the District’s supervisory control and data acquisition (SCADA) system.

**JUSTIFICATION**

The shallow wells consist of Well 3, Well 8 and Well 9. The shallow wells pump directly into the water distribution system. To disinfect the water, sodium hypochlorite is injected into the water stream at these three (3) well sites. On one occasion, the chlorine injection pump at Well 9 stopped working resulting in raw water being pumped into the distribution system. A chlorine analyzer at Well 9 would have alerted operations staff that chlorine residual had fallen to zero at that well site, and enabled staff to take more immediate corrective action.

**PROJECT LOCATION**

The address for Well 3 is 9374 Emily St., Well 8 is 9457 Ranch Park Wy., and Well 9 is 9035 Polhemus Dr., Elk Grove, California. The assessor’s parcel numbers are APN 11601340130000, APN 12504100610000, and APN 12502010160000, respectively.



★ Project Location

**SCHEDULE & STATUS**

Engineering and construction are scheduled for FY 20/21.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Chlorine Analyzers Shallow Wells	0	49	0	0	0	49
with inflation (3%)	0	50	0	0	0	50

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Treatment Improvements	50
<b>Total</b>	<b>50</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 10 years



<b>Project</b>	<b>Well 4D Radio Antenna</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	1
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

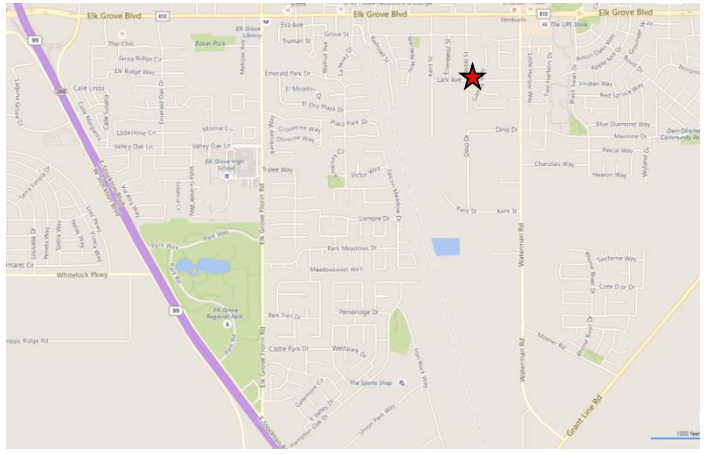
This project installs an antenna mast at Well 4D.

**JUSTIFICATION**

Well 4D is equipped with an antenna mounted to a shed. This provides an antenna elevation height of approximately 12 feet above ground. The antenna is necessary to communicate with the District’s supervisory control and data acquisitions (SCADA) system located at the Railroad Water Treatment Facility. Loss of communications with SCADA are occurring 28% of the time at Well 4D. This is an unacceptable high rate and requires correction. This project installs a radio antenna mast to correct the problem. A line-of-sight/radio survey will be conducted to confirm that installing the antenna mast will correct the problem.

**PROJECT LOCATION**

The address for Well 4D is 9206 Meadow Grove Dr., Elk Grove, California. The assessor’s parcel number is APN 12504100610000.



★ Project Location

**SCHEDULE & STATUS**

Engineering and construction are scheduled for FY 19/20.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Well 4D Radio Antenna	30	0	0	0	0	30
with inflation (3%)	30	0	0	0	0	30

*Expenditure breakdown: \$2,500 engineering, \$27,500 construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Treatment Improvements	30
<b>Total</b>	<b>30</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by \$1,000 per year due to more efficient operations of Well 4D.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>RRWTF Variable Frequency Drives</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Treatment Improvements
<b>Priority</b>	1
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

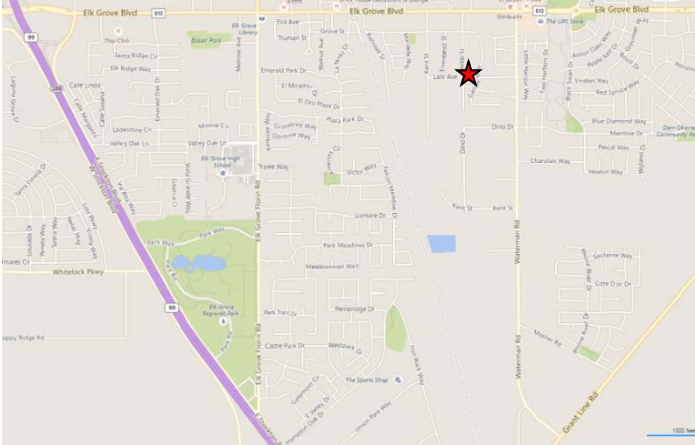
This project adds variable frequency drives (VFDs) to two (2) booster pumps at the Railroad Water Treatment Facility (RRWTF).

**JUSTIFICATION**

The RRWTF is equipped with ten (10) booster pumps that supply water to the water distribution system in Service Area 1. One (1) of the booster pumps is equipped with a VFD. During periods of low water demand, the VFD modulates to provide a constant system pressure of 60 psi, or whatever pressure the controller is set to. During periods of higher water demand, full-speed booster pumps start and water system pressure cycles from high to low pressure. Adding VFDs to two (2) more booster pumps will provide constant system pressure through all ranges of water demand. This will eliminate low pressure complaints from the District’s customers.

**PROJECT LOCATION**

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



★ Project Location

**SCHEDULE & STATUS**

Engineering completed in FY 18/19. Construction scheduled for FY 19/20.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
RRWTF Variable Frequency Drives	75	0	0	0	0	75
with inflation (3%)	75	0	0	0	0	75

*Expenditure breakdown: engineering completed in FY18/19, \$75,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	75
<b>Total</b>	<b>75</b>

**OPERATING COST IMPACTS**

The completion of this project is anticipated to decrease operating costs by an estimated \$1500 per year due to more efficient operation of the pumps being controlled by a VFD.

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>Truck Replacements</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	3
<b>Project No.</b>	401



**PROJECT DESCRIPTION**

This project replaces aging work vehicles with new vehicles.

**JUSTIFICATION**

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

**FY 19/20**

- Truck 102 – 2007 Chevy 3500 (75,542 Miles).....Replace w/Ford F150 w/toolbox - \$45K
- Truck 204 – 2004 Valve Truck (40,295 Miles).....Replace w/valve equip. trailer - \$75K

**FY 20/21**

- Truck 413 – 2014 Ford F250 (97,696 Miles).....Replace w/Ford F150 w/toolbox - \$45K
- Truck 402 – 2008 Ford F250 (77,717 Miles).....Replace w/Ford F250 - \$60K
- Truck 403 – 2007 Chevy Tahoe (44,990 Miles).....Replace w/Ford F150 crew cab - \$45K

**FY 21/22**

- Truck 410 – 2009 Ford F550 (28,145 Miles).....Replace w/Ford F550 - \$120K

**FY 22/23**

- Truck 404 – 2008 Ford Escape, Gray (37,543 Miles).....Replace w/Hybrid - \$30K
- Truck 406 – 2008 Ford Escape, Blue (80,110 Miles).....Replace w/Hybrid - \$30K
- Truck 411 – 2009 Ford F250 Dump Truck (76,005 Miles).....Replace w/Ford F150 - \$45K

**FY 23/24**

- Truck 409 – 2009 Ford F650 Dump Truck (30,639 Miles).....Replace w/Ford F650 - \$100K
- Truck 412 – 2011 Ford F150 (24,459 Miles).....Replace w/Ford F150 - \$45K

**PROJECT LOCATION**

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

**SCHEDULE & STATUS**

Refer to Justification section above for vehicle replacement schedule.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Truck Replacements	120	146	113	96	129	604
with inflation (3%)	120	150	120	105	145	640

*Expenditure breakdown: no design, 100% purchase*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	640
<b>Total</b>	<b>640</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 10 years

<b>Project</b>	<b>HVWTP Roof Replacement</b>
<b>Funding Type</b>	Capital Repair/Replacement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	4
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

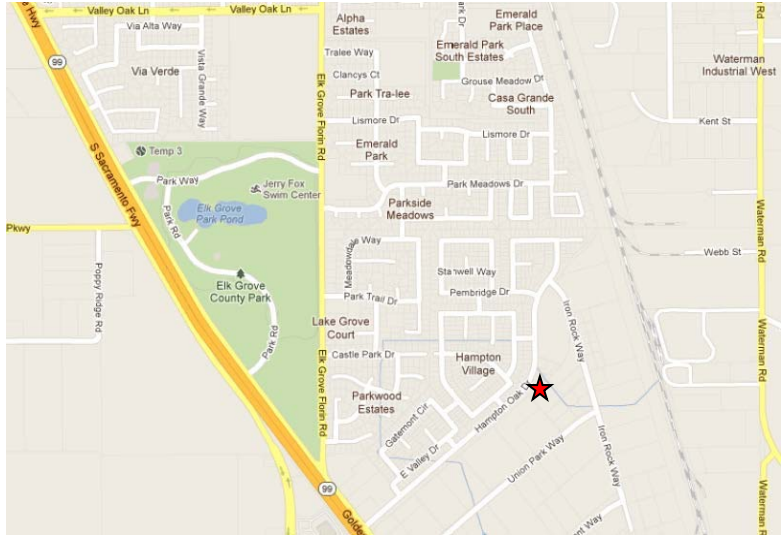
This project replaces the roof of the building housing the control room and water quality treatment equipment at the Hampton Village Water Treatment Plant.

**JUSTIFICATION**

The Hampton Village Water Treatment Plant (HVWTP) was built in 1996. The roof housing the control room and water quality treatment equipment is 20 years old and is nearing the end of its useful life. This project replaces the roof to extend the useful life of the building at the HVWTP.

**PROJECT LOCATION**

The address for Hampton Village Water Treatment Plant is 10113 Hampton Oak Dr., Elk Grove, California. The assessor’s parcel number is APN 13407100390000.



★ Project Location

**SCHEDULE & STATUS**

Construction is scheduled for FY 20/21.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
HVWTP Roof Replacement	20	0	0	0	0	20
with inflation (3%)	20	0	0	0	0	20

*Expenditure breakdown: no design, \$20,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Building & Site Improvements/Vehicles	20
<b>Total</b>	<b>20</b>

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 20 years



<b>Project</b>	<b>Vacuum Excavator</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	2
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

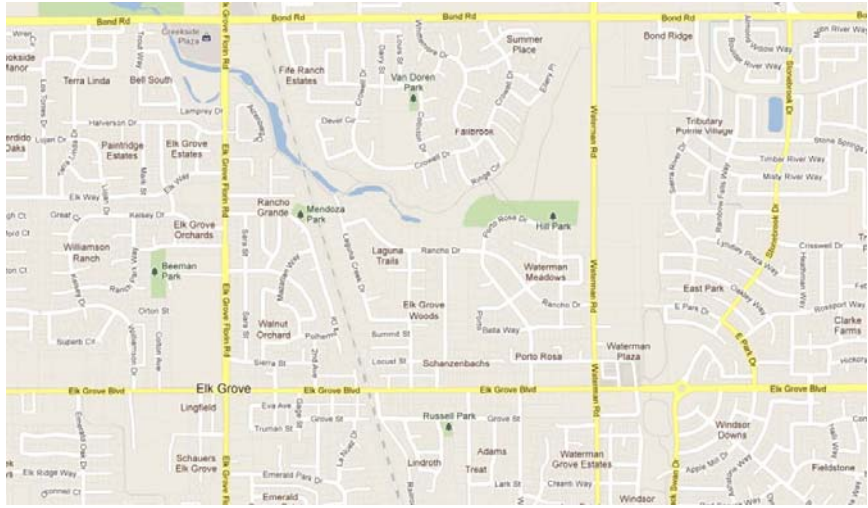
This project replaces the existing trailer vacuum excavator in the District’s fleet.

**JUSTIFICATION**

The District currently has a 2007 McLaughlin V500 vacuum excavator. The vacuum excavator is a critical piece of equipment that the District uses on a daily basis. Field staff use the vacuum excavator to identify the location of underground utilities. The vacuum excavator uses water jetting and vacuum suction to neatly make a pothole for this purpose. The vacuum excavator is also used during water main repair work. Field staff use the vacuum to remove water from the trench while performing the repair work. The District’s asset management plan has identified the useful life of the vacuum excavator as 15 years which occurs in 2022. However, the current condition of the vacuum excavator requires that it be replaced earlier in FY 20/21.

**PROJECT LOCATION**

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



★ Project Location

## SCHEDULE & STATUS

This equipment is scheduled for purchase in FY 20/21.

## EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Vacuum Excavator	0	73	0	0	0	73
with inflation (3%)	0	75	0	0	0	75

*Expenditure breakdown: 100% purchase*

## FUNDING SOURCES

(in thousands \$)

### USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	75
<b>Total</b>	<b>75</b>

## OPERATING COST IMPACTS

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

**USEFUL LIFE:** 15 years

<b>Project</b>	<b>Directional Drilling Machine</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	2
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

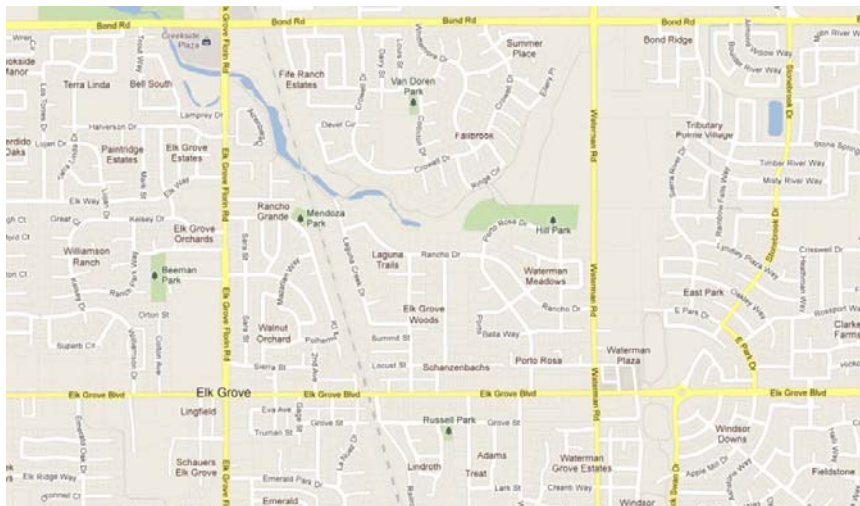
This project replaces the existing directional drilling machine in the District’s fleet.

**JUSTIFICATION**

The District currently has a 1997 Vermeer D7x11A Navigator directional drilling machine. The directional drilling machine is a critical piece of equipment that the District uses to install service lines and other small diameter pipe. The directional drilling machine allows field personnel to install small diameter piping without having to perform open-cut trenching. This saves the District time and money in labor, and also eliminates the need to repair asphalt pavement and landscaping that would be damaged with open-cut trenching. The District’s asset management plan has identified the useful life of the directional drilling machine as 20 years. The directional drilling machine will be 24 years old in 2021 and will be due for replacement.

**PROJECT LOCATION**

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



★ Project Location

**SCHEDULE & STATUS**

This equipment is scheduled for purchase in FY 21/22.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Directional Drilling Machine	0	0	141	0	0	141
with inflation (3%)	0	0	150	0	0	150

*Expenditure breakdown: no design, 100% construction*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

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

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 20 years

<b>Project</b>	<b>I.T. Servers</b>
<b>Funding Type</b>	Capital Improvement Funds
<b>Program</b>	Building & Site Improvements/ Vehicles
<b>Priority</b>	1
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

This project purchases three (3) new servers for the District’s information technology system.

**JUSTIFICATION**

The District recently conducted an independent security audit of the District’s information technology systems. One of the findings from the audit recommended that the District replace its 8-year old servers to stay current with technology for security purposes. This project replaces three (3) servers running the Railroad Water Treatment Plant’s computer programs.

**PROJECT LOCATION**

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



★ Project Location

**SCHEDULE & STATUS**

Three (3) servers are planned for purchase in FY 19/20.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Administration Building	30	0	0	0	0	30
with inflation (3%)	30	0	0	0	0	30

*Expenditure breakdown: 100% Purchase Cost*

**FUNDING SOURCES**

(in thousands \$)

**USER FEES**

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

**OPERATING COST IMPACTS**

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

**USEFUL LIFE:** 5 years

<b>Project</b>	<b>Unforeseen Capital Projects</b>
<b>Funding Type</b>	Unforeseen Capital Projects Funds
<b>Program</b>	Unforeseen Capital Projects
<b>Priority</b>	N/A
<b>Project No.</b>	TBD



**PROJECT DESCRIPTION**

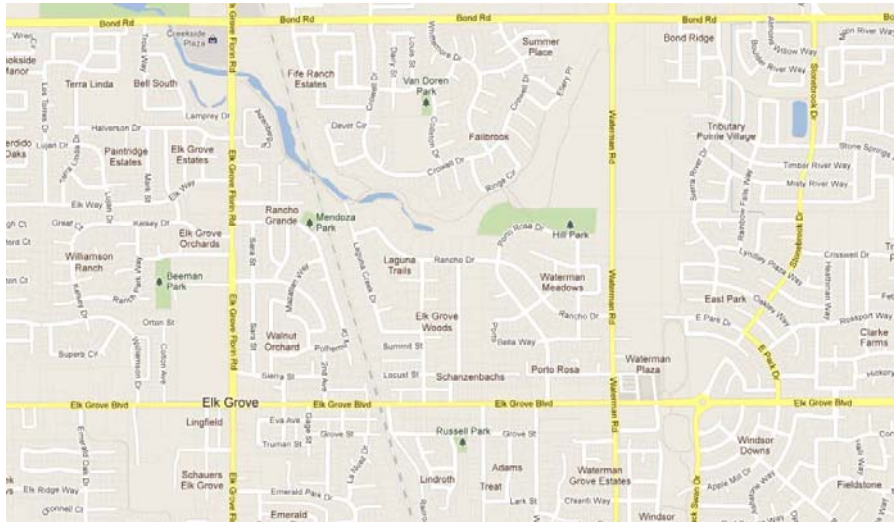
This project provides reserve funds for unforeseen future capital projects.

**JUSTIFICATION**

The purpose of the capital improvement program is to plan and fund capital projects in advance of the projects’ needed design and construction date. The unforeseen capital projects program provides the Elk Grove Water District with a safety net for funding future capital projects that are not included in the CIP planning process. In some cases, these unforeseen capital projects may be the result of emergencies that have occurred in the district.

**PROJECT LOCATION**

Project locations are unknown at this time and therefore not shown.



★ Project Location

**SCHEDULE & STATUS**

Engineering, design, and construction associated with the unforeseen capital projects program are unknown.

**EXPENDITURE SCHEDULE**

(in thousands \$)

Project	Planned Expenditures					Total
	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
Unforeseen Capital Projects	100	100	100	100	100	500
no inflation used	100	100	100	100	100	500

*Expenditure breakdown: \$50,000 design, \$450,000 construction*

**FUNDING SOURCES**

(in thousands \$)

USER FEES

Unforeseen Capital Projects Funds	
▪ Unforeseen Capital Projects	500
<b>Total</b>	<b>500</b>

**OPERATING COST IMPACTS**

It is not known if the completion of projects associated with the unforeseen capital projects program will increase or decrease operating costs.

**USEFUL LIFE:** Unknown



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## APPENDIX A – PROJECT LIST BY PRIORITY

Priority	PROJECT NAME	Priority Score
1	I.T. Servers <i>pg. 60</i>	99
1	Well 4D Radio Antenna <i>pg. 50</i>	97
1	Well Rehabilitation Program <i>pg. 26</i>	91
1	Well 3 Pump Replacement <i>pg. 46</i>	82
2	Water Meter Replacement Program <i>pg. 10</i>	75
2	Vacuum Excavator <i>pg. 56</i>	75
2	Directional Drilling Machine <i>pg. 58</i>	75
2	Lark St. Water Main <i>pg. 22</i>	73
2	Chlorine Analyzers Shallow Wells <i>pg. 48</i>	70
3	Railroad Corridor Water Line <i>pg. 28</i>	66
3	2nd Ave. Water Main <i>pg. 38</i>	64
3	Backyard Water Mains/Services Replacement <i>pg. 30</i>	63
3	Truman St./Adams St. Water Main <i>pg. 12</i>	62
3	School/Locust/Summit Alley Water Main <i>pg. 14</i>	62
3	Elk Grove Blvd Grove St. Alley Water Main <i>pg. 16</i>	62
3	Locust St.-Elk Grove Blvd Alley/Derr St. Water Main <i>pg. 18</i>	62
3	Grove St. Water Main <i>pg. 24</i>	62
3	Truck Replacements <i>pg. 52</i>	60
4	Elk Grove Blvd Water Main <i>pg. 20</i>	56
4	Cadura Circle Water Main Looping <i>pg. 32</i>	54
4	Kilkenny Ct. Water Main <i>pg. 34</i>	54
4	Leo Virgo Ct. Water Main <i>pg. 36</i>	54
4	Plaza Park Dr. Water Main <i>pg. 40</i>	54
4	Durango Wy. Water Main <i>pg. 42</i>	54
4	Aizenberg Cir. Water Main Looping <i>pg. 44</i>	54
4	HVWTP Roof Replacement <i>pg. 55</i>	53

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## APPENDIX B – CIP PRIORITY RANKING CRITERIA SCORE SHEETS

### ▪ **FY 2020-24 WATER SUPPLY / TREATMENT IMPROVEMENT PROJECTS**

- Water Meter Replacement Program
- Truman St./Adams St. Water Main
- School/Locust/Summit Alley Water Main
- Elk Grove Blvd/Grove St. Alley Water Main
- Locust St.-Elk Grove Blvd Alley/Derr St. Water Main
- Elk Grove Blvd. Water Main
- Lark St. Water Main
- Grove St. Water Main
- Well Rehabilitation Program
- Railroad Corridor Water Line
- Backyard Water Mains/Services Replacement
- Cadura Circle Water Main Looping
- Kilkenny Ct. Water Main
- Leo Virgo Ct. Water Main
- 2<sup>nd</sup> Ave. Water Main
- Plaza Park Dr. Water Main
- Durango Wy. Water Main
- Aizenberg Cir. Water Main
- Well 3 Pump Replacement
- Chlorine Analyzers Shallow Wells
- Well 4D Radio Antenna

### ▪ **FY 2020-24 BUILDING & SITE IMPROVEMENT/VEHICLES PROJECTS**

- Truck Replacements
- HVWTP Roof Replacement
- Vacuum Excavator
- Directional Drilling Machine
- I.T. Servers

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 75**  
**RAW SCORE = 60**

Water Meter Replacement Program

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = M</span>		51.75
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		3.75
	<input type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input checked="" type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input checked="" type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		2.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input checked="" type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
<input type="checkbox"/>	Over 50% of project costs available from other agencies		
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

## WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here *Water Meter Replacement*

PRIORITY SCORE =  
RAW SCORE = 100

	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> &lt;-- Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																							
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">WATER SUPPLY OBJECTIVE (75% of Raw Score)  This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">High</th> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Med.</th> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Low</th> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table> <p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> - Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. <i>- District's potential to lose revenue.</i>  <u>Medium</u> - Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> - Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> - Likely to almost certain 65% - 100%  <u>Medium</u> - Possible 35% - 65% <i>est. likelihood.</i>  <u>Low</u> - Unlikely or rare 0% - 35%</p> <p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
			Probability																					
			High	Med.	Low																			
	Impact	High	H+ 55	H- 42	M+ 30																			
Med.		H- 42	M+ 30	M- 17																				
Low		M+ 30	M- 17	L 5.5																				
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> - Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> - Provides benefits for 10,000 to 30,000 customers.  <u>Low (L)</u> - Provides benefits for less than 10,000 customers. <i>4500 meter replacements planned.</i></p> <p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																								
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> - Project is needed to meet current demands or regulations within the next three (3) years. <i>←</i>  <u>Short-Term Need (S)</u> - Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <u>Long-Term Need (L)</u> - Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																								

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 62**  
**RAW SCORE = 49**

Truman St./Adams St. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		41.25
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		5.63
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input checked="" type="checkbox"/>	Promotes water use efficiency	<input checked="" type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
<input type="checkbox"/>	Over 50% of project costs available from other agencies		
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Truman St./Adams St. Water Main*

Impact = ; Probability = 75.00 <-- Totals from

**Water Supply (E 2)**  
Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability			
		High	Med.	Low	
Impact	High	H+ 55	H- 42	M+ 30	<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <b>High</b> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  <b>Medium</b> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup <i>4" mains are undersized for fire protection</i>  <b>Low</b> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p>
	Med.	H- 42	M+ 30	M- 17	
	Low	M+ 30	M- 17	L 5.5	

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Affects Service Area 1 Areas*

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. *←*

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.



## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 62**  
**RAW SCORE = 49**

School/Locust/Summit Alley Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">41.25</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">5.63</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *School/Locust/Summit Alley Water Main*

Water Supply (E 2) Impact = ; Probability = 75.00 ← Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">M+ 30</span>	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *it remains undersized for fire protection*

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65% →

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1 areas*

Low (L) – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. →

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

WATER SUPPLY OBJECTIVE (75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 62**  
**RAW SCORE = 49**

Elk Grove Blvd Grove St. Alley Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">41.25</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">5.63</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Elk Grove Blvd Grove St. Alley Water Main*

Water Supply (E 2) Impact = ; Probability = 75.00 ← Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *if mains are undersized for fire protection*

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65% →

**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1 areas*

**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. →

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

WATER SUPPLY OBJECTIVE (75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Locust St.-Elk Grove Blvd Alley/Derr St. Water Main

**PRIORITY SCORE = 62**  
**RAW SCORE = 49**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right;">41.25</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right;">2.50</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right;">5.63</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

Project Name Here *Locust St. - Elk Grove Blvd Alley / Derr St. Main*

RAW SCORE = 100

Water Supply (E 2) Impact = ; Probability = 75.00 <-- Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">M+ 30</span>	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *if mains are undersized for fire protection*

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65% →

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water, or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers. ← *Affects Service Area 1 areas*

Low (L) – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. →

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Elk Grove Blvd. Water Main

**PRIORITY SCORE = 56**  
**RAW SCORE = 45**

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">34.50</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.63</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

## WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Elk Grove Blvd. Main*

	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> &lt;-- Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																							
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">WATER SUPPLY OBJECTIVE (75% of Raw Score)  This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="vertical-align: middle; text-align: center;">Impact</td> <td style="text-align: center;">High</td> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <td style="text-align: center;">Med.</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table> <p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <i>meters in backyard are inaccessible due diff. to access and fed by an old 4" main.</i>  <u>Medium</u> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65% ←  <u>Low</u> – Unlikely or rare 0% – 35%</p> <p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
			Probability																					
			High	Med.	Low																			
	Impact	High	H+ 55	H- 42	M+ 30																			
Med.		H- 42	M+ 30	M- 17																				
Low		M+ 30	M- 17	L 5.5																				
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> – Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> – Provides benefits for 10,000 to 30,000 customers.  <u>Low (L)</u> – Provides benefits for less than 10,000 customers. ← <i>Customers on south side EG Blvd. between Kent &amp; RR tracks.</i></p> <p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																								
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> – Project is needed to meet current demands or regulations within the next three (3) years.  <u>Short-Term Need (S)</u> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ← <i>Planned for 5 yrs. out.</i>  <u>Long-Term Need (L)</u> – Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																								



**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 73**  
**RAW SCORE = 58**

Lark St. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		50.25
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/>	With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		5.63
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input checked="" type="checkbox"/>	Promotes water use efficiency	<input checked="" type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here Lerk St. Water Main

PRIORITY SCORE =  
RAW SCORE = 100

**Water Supply (E 2)**

Impact = ; Probability = 75.00 <-- Totals from

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	<span style="border: 1px solid red; border-radius: 50%; padding: 2px;">H-</span> 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

*during repairs, inspection showed sections of AC pipe are soft from water saturation of pipe wall.*

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

Low (L) – Provides benefits for less than 10,000 customers.

*← Affects Service Area 1*

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 62**  
**RAW SCORE = 49**

Grove St. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span> <span style="float: right; border: 1px solid black; padding: 2px;">41.25</span> A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input checked="" type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">2.50</span> <input type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4)</b> - Check all that apply <input checked="" type="checkbox"/> With the Community <input type="checkbox"/> With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.63</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply <input checked="" type="checkbox"/> Promotes water use efficiency <input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies</b> - Check One <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Grove St. - Water Main*

75.00 <-- Totals from

**Water Supply (E 2)** Impact = ; Probability = 75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

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**Criterion A: Protecting Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**  
**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  
**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *4" mains are undersized for fire protection*  
**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**  
**High** – Likely to almost certain 65% – 100%  
**Medium** – Possible 35% – 65% *←*  
**Low** – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Improving Existing Assets**  
Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**  
**High (H)** – Provides benefits for more than 30,000 customers.  
**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Affects Service Area ?*  
**Low (L)** – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

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**Criterion C: Project Urgency**  
Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**  
**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.  
**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. *←*  
**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 91**  
**RAW SCORE = 73**

Well Rehabilitation Program

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		68.25
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
<input type="checkbox"/>	Over 50% of project costs available from other agencies		
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

## WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

Project Name Here *Well Rehab Program*

PRIORITY SCORE =  
RAW SCORE = 100

	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> ← Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																																	
<p><b>WATER SUPPLY OBJECTIVE</b> (75% of Raw Score) <i>This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</i></p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="text-align: center;">High</th> <td style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> </table> </td> <td></td> <td></td> </tr> <tr> <th style="text-align: center;">Med.</th> <td style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> </table> </td> <td></td> <td></td> </tr> <tr> <th style="text-align: center;">Low</th> <td style="text-align: center;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </table> </td> <td></td> <td></td> </tr> </tbody> </table>			Probability					High	Med.	Low	Impact	High	<table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> </table>	H+ 55	H- 42	M+ 30			Med.	<table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> </table>	H- 42	M+ 30	M- 17			Low	<table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </table>	M+ 30	M- 17	L 5.5			<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. <i>Well rehabs important to maintain production and water quality compliant w/ DPH req.</i>  <u>Medium</u> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100% <i>Prod. &amp; water quality will decline w/o rehabs.</i>  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%</p> <p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>
			Probability																															
			High	Med.	Low																													
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<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> – Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> – Provides benefits for 10,000 to 30,000 customers. <i>Affects Service Area 1 customers.</i>  <u>Low (L)</u> – Provides benefits for less than 10,000 customers.</p> <p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																																		
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> – Project is needed to meet current demands or regulations within the next three (3) years. <i>←</i>  <u>Short-Term Need (S)</u> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <u>Long-Term Need (L)</u> – Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																																		

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **66**

RAW SCORE = **53**

Railroad Corridor Water Line

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = H</span> <span style="float: right; border: 1px solid black; padding: 2px;">41.25</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">7.50</span></p> <p><input checked="" type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here Railroad Corridor Water Line

75.00 <-- Totals from

**Water Supply (E 2)** Impact = ; Probability = 75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

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**Criterion A: Protecting Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**  
High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  
Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup. *This proj. adds 2 points of connection the transmission main to improve water flow into the distribution system.*  
Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**  
High – Likely to almost certain 65% – 100%  
Medium – Possible 35% – 65% ←  
Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Improving Existing Assets**  
Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**  
High (H) – Provides benefits for more than 30,000 customers.  
Medium (M) – Provides benefits for 10,000 to 30,000 customers. ← *Impacts Service Area 1*  
Low (L) – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

---

**Criterion C: Project Urgency**  
Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**  
Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.  
Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←  
Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.



**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 63**  
**RAW SCORE = 50**

**Backyard Water Mains/Services Replacement**

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		41.25
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input checked="" type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

## WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =

Project Name Here *Backyard Water Mains/Service Replacements* RAW SCORE = 100

	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> ← Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																							
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">WATER SUPPLY OBJECTIVE (75% of Raw Score)  This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">High</th> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Med.</th> <td style="text-align: center;">H- 42</td> <td style="text-align: center; border: 2px solid red;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Low</th> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table> <p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <b>High</b> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  <b>Medium</b> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup ← <i>Backyard mains undersized and difficult to access to repairs leaks. Current configuration has district-owned infrastructure related to front-yard meters on private property</i>  <b>Low</b> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <b>High</b> – Likely to almost certain 65% – 100%  <b>Medium</b> – Possible 35% – 65% ←  <b>Low</b> – Unlikely or rare 0% – 35%</p> <p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
			Probability																					
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<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <b>High (H)</b> – Provides benefits for more than 30,000 customers.  <b>Medium (M)</b> – Provides benefits for 10,000 to 30,000 customers. ← <i>Impacts areas of Service Area 1</i>  <b>Low (L)</b> – Provides benefits for less than 10,000 customers.</p> <p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																								
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <b>Immediate Need (I)</b> – Project is needed to meet current demands or regulations within the next three (3) years.  <b>Short-Term Need (S)</b> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←  <b>Long-Term Need (L)</b> – Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																								

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Cadura Circle Water Main Looping

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">34.50</span> A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span> <input type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4)</b> - Check all that apply <input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply <input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span> <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies</b> - Check One <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here *Cadura Circle Water Main Looping*

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)**

Impact = ; Probability = 75.00 <-- Totals fro

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability			
		High	Med.	Low	
Impact	High	H+ 55	H- 42	M+ 30	<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  <u>Medium</u> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p>
	Med.	H- 42	M+ 30	M- 17	<p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65% <span style="color: red;">←</span>  <u>Low</u> – Unlikely or rare 0% – 35%</p>
	Low	M+ 30	M- 17	L 5.5	

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**  
High (H) – Provides benefits for more than 30,000 customers.  
Medium (M) – Provides benefits for 10,000 to 30,000 customers.  
Low (L) – Provides benefits for less than 10,000 customers. ←

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**  
Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.  
Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←  
Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Kilkenny Ct. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		34.50
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here *Kilkenny Ct. Water Main*

Impact = ; Probability = 75.00 ← Totals from

**Water Supply (E 2)**

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	<span style="border: 2px solid red; border-radius: 50%; padding: 2px;">M+ 30</span>	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65% ←

Low – Unlikely or rare 0% – 35%

**H+** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

Low (L) – Provides benefits for less than 10,000 customers. ←

**H** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

**I** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Leo Virgo Ct. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">34.50</span> A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span> <input type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4)</b> - Check all that apply <input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply <input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span> <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies</b> - Check One <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here *Leo Virgo Ct. Water Main*

Impact = ; Probability = 75.00 ← Totals fro

**Water Supply (E 2)**

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

Low (L) – Provides benefits for less than 10,000 customers.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.



## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 64**  
**RAW SCORE = 52**

2nd Ave. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">42.75</span> A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span> <input type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4)</b> - Check all that apply <input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply <input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span> <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies</b> - Check One <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here *2nd Ave. Water Main*

<-- Totals from

	<b>Water Supply (E 2)</b>	Impact =	Probability =	75.00
	Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure			
	<b>Criterion A: Protecting Existing Assets</b>			
	Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:			
		<b>Probability</b>		
		High	Med.	Low
<b>Impact</b>	<b>High</b>	H+ 55	H- 42	M+ 30
	<b>Med.</b>	H- 42	M+ 30	M- 17
	<b>Low</b>	M+ 30	M- 17	L 5.5
		<b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.		
		<b>Impact:</b>		
		<b>High</b> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.		
		<b>Medium</b> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup		
		<b>Low</b> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.		
		<b>Probability of impact occurring:</b>		
		<b>High</b> – Likely to almost certain 65% – 100%		
		<b>Medium</b> – Possible 35% – 65%		
		<b>Low</b> – Unlikely or rare 0% – 35%		
	<input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.			
	<b>Criterion B: Improving Existing Assets</b>			
	Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".			
	<b>Definition:</b>			
	Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].			
	<b>Effect of Project Impact:</b>			
	<b>High (H)</b> – Provides benefits for more than 30,000 customers.			
	<b>Medium (M)</b> – Provides benefits for 10,000 to 30,000 customers.			
	<b>Low (L)</b> – Provides benefits for less than 10,000 customers.			
	<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.			
	<b>Criterion C: Project Urgency</b>			
	Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".			
	<b>Definition:</b>			
	Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.			
	<b>Project Urgency:</b>			
	<b>Immediate Need (I)</b> – Project is needed to meet current demands or regulations within the next three (3) years.			
	<b>Short-Term Need (S)</b> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.			
	<b>Long-Term Need (L)</b> – Project is needed to meet demands beyond the next five (5) years.			
	<input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.			

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Plaza Park Dr. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">34.50</span></p> <p>A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Plaza Park Dr. Water Main*

75.00 <-- Totals from

**Water Supply (E 2)**

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

**High** – Likely to almost certain 65% – 100%

**Medium** – Possible 35% – 65%

**Low** – Unlikely or rare 0% – 35%

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

**High (H)** – Provides benefits for more than 30,000 customers.

**Medium (M)** – Provides benefits for 10,000 to 30,000 customers.

**Low (L)** – Provides benefits for less than 10,000 customers.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years.

**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Durango Wy. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">34.50</span> A <input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b> B <input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b> C <input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span> <input type="checkbox"/> Promotes Emergency Recovery <b>Positive Interaction (E 4)</b> - Check all that apply <input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">3.75</span> <input checked="" type="checkbox"/> Promotes drinking water quality <b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply <input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span> <input type="checkbox"/> Promotes groundwater basin management
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <input type="checkbox"/> Annual cost savings of more than \$50,000 <input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000 <input type="checkbox"/> Annual cost savings of less than \$10,000 <b>Funding Available from Other Agencies</b> - Check One <input type="checkbox"/> Over 50% of project costs available from other agencies <input type="checkbox"/> 26% to 50% of project costs available from other agencies <input type="checkbox"/> Up to 25% of project costs available from other agencies

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =

RAW SCORE = 100

Project Name Here *Durango Wy. Water Main*

<-- Totals from

Water Supply (E 2)

Impact = ; Probability =

75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

Low (L) – Provides benefits for less than 10,000 customers.

Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years.

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

WATER SUPPLY OBJECTIVE (75% of Raw Score) This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 54**  
**RAW SCORE = 43**

Aizenberg Cir. Water Main

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		34.50
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>L</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>S</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input checked="" type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here Aizenberg Cir. Water Main Looping

<b>WATER SUPPLY OBJECTIVE</b> (75% of Raw Score) <i>This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</i>	<p><b>Water Supply (E 2)</b> Impact = ; Probability = <span style="float: right;">75.00</span> &lt;-- Totals from</p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>																							
	<p><b>Criterion A: Protecting Existing Assets</b> Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th colspan="3" style="text-align: center;">Probability</th> </tr> <tr> <th colspan="2"></th> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> </thead> <tbody> <tr> <td rowspan="3" style="text-align: center; vertical-align: middle;">Impact</td> <td style="text-align: center;">High</td> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <td style="text-align: center;">Med.</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </tbody> </table> <p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  <u>Medium</u> – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65% ←  <u>Low</u> – Unlikely or rare 0% – 35%</p>			Probability					High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5
			Probability																					
			High	Med.	Low																			
Impact	High	H+ 55	H- 42	M+ 30																				
	Med.	H- 42	M+ 30	M- 17																				
	Low	M+ 30	M- 17	L 5.5																				
<p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>																								
<p><b>Criterion B: Improving Existing Assets</b> Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> – Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> – Provides benefits for 10,000 to 30,000 customers.  <u>Low (L)</u> – Provides benefits for less than 10,000 customers. ←</p> <p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																								
<p><b>Criterion C: Project Urgency</b> Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> – Project is needed to meet current demands or regulations within the next three (3) years.  <u>Short-Term Need (S)</u> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years. ←  <u>Long-Term Need (L)</u> – Project is needed to meet demands beyond the next five (5) years.</p> <p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																								



## FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE = 82**  
**RAW SCORE = 65**

Well 3 Pump Replacement

<b>PRIMARY OBJECTIVE</b> (75%)	<p><b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = M</span> <span style="float: right; border: 1px solid black; padding: 2px;">58.50</span></p> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b></p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b></p> <p>C <input checked="" type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b></p>
<b>SOCIAL FACTORS</b> (7.5%)	<p><b>Social Factor</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">5.00</span></p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p><b>Positive Interaction (E 4)</b> - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input checked="" type="checkbox"/> With other agencies</span></p>
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<p><b>Water Quality (E 3.2)</b> - Check if applicable <span style="float: right; border: 1px solid black; padding: 2px;">1.88</span></p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p><b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <span style="margin-left: 100px;"><input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</span></p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
<b>ECONOMIC FACTORS</b> (10%)	<p><b>Lifecycle costs are minimized</b> - Check One <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies</b> - Check One</p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Well 3 Pump Replacement*

75.00 <-- Totals from

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**Water Supply (E 2)** Impact = ; Probability = 75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

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**Criterion A: Protecting Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**  
**High** – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.  
**Medium** – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *This proj. provides redundancy to District's water system.*  
**Low** – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**  
**High** – Likely to almost certain 65% – 100% *←*  
**Medium** – Possible 35% – 65%  
**Low** – Unlikely or rare 0% – 35%

**H+** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Improving Existing Assets**  
Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**  
Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**  
**High (H)** – Provides benefits for more than 30,000 customers.  
**Medium (M)** – Provides benefits for 10,000 to 30,000 customers. *← Service Area 1*  
**Low (L)** – Provides benefits for less than 10,000 customers.

**H** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

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**Criterion C: Project Urgency**  
Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**  
Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**  
**Immediate Need (I)** – Project is needed to meet current demands or regulations within the next three (3) years. *←*  
**Short-Term Need (S)** – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  
**Long-Term Need (L)** – Project is needed to meet demands beyond the next five (5) years.

**I** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 70**  
**RAW SCORE = 56**

**Chlorine Analyzers Shallow Wells**

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		49.50
	A	<input checked="" type="checkbox"/> <b>M+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

**PRIORITY SCORE =**  
**RAW SCORE = 100**

Project Name Here *Chlorine Analyzers Shallow Wells*

Water Supply (E 2) Impact = ; Probability = 75.00 <-- Totals fro

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

**Criterion A: Protecting Existing Assets**

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

**Definition:** Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

**Impact:**

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

**Probability of impact occurring:**

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Improving Existing Assets**

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

**Definition:**

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

**Effect of Project Impact:**

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers. *Service Area 1*

Low (L) – Provides benefits for less than 10,000 customers.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Project Urgency**

Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".

**Definition:**

Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.

**Project Urgency:**

Immediate Need (I) – Project is needed to meet current demands or regulations within the next three (3) years. *←*

Short-Term Need (S) – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.

Long-Term Need (L) – Project is needed to meet demands beyond the next five (5) years.

I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**WATER SUPPLY OBJECTIVE**  
(75% of Raw Score)  
This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.

**FY 2020-2024 WATER SUPPLY / TREATMENT PROJECTS  
Priority Ranking Criteria**

**PRIORITY SCORE = 97**  
**RAW SCORE = 78**

Well 4D Radio Antenna

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = H ; Probability = H</span>		68.25
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>M</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
	C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>	
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		7.50
	<input checked="" type="checkbox"/>	Promotes Emergency Recovery	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
	<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

# WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Well 4D Radio Antenna*

← Totals from

	<p><b>Water Supply (E 2)</b></p> <p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>	Impact =	; Probability =	75.00																
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">WATER SUPPLY OBJECTIVE (75% of Raw Score)</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.</p>	<p><b>Criterion A: Protecting Existing Assets</b></p> <p>Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:</p>																			
	<p>Probability</p> <table border="1" style="margin: auto;"> <tr> <td></td> <td style="text-align: center;">High</td> <td style="text-align: center;">Med.</td> <td style="text-align: center;">Low</td> </tr> <tr> <td style="text-align: center;">High</td> <td style="text-align: center;">H+ 55</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> </tr> <tr> <td style="text-align: center;">Med.</td> <td style="text-align: center;">H- 42</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">M+ 30</td> <td style="text-align: center;">M- 17</td> <td style="text-align: center;">L 5.5</td> </tr> </table>			High	Med.	Low	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17	Low	M+ 30	M- 17	L 5.5	<p><b>Definition:</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.</p> <p><b>Impact:</b>  <u>High</u> - Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. <i>← Losing vital communications w/SCADA</i>  <u>Medium</u> - Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup  <u>Low</u> - Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.</p>	
		High	Med.	Low																
	High	H+ 55	H- 42	M+ 30																
Med.	H- 42	M+ 30	M- 17																	
Low	M+ 30	M- 17	L 5.5																	
<p><b>Probability of impact occurring:</b></p> <p><u>High</u> - Likely to almost certain 65% - 100% <i>←</i>  <u>Medium</u> - Possible 35% - 65%  <u>Low</u> - Unlikely or rare 0% - 35%</p>																				
<p><input type="checkbox"/> H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.</p>																				
<p><b>Criterion B: Improving Existing Assets</b></p> <p>Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".</p> <p><b>Definition:</b>  Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].</p> <p><b>Effect of Project Impact:</b>  <u>High (H)</u> - Provides benefits for more than 30,000 customers.  <u>Medium (M)</u> - Provides benefits for 10,000 to 30,000 customers. <i>← Service Area 1</i>  <u>Low (L)</u> - Provides benefits for less than 10,000 customers.</p>																				
<p><input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.</p>																				
<p><b>Criterion C: Project Urgency</b></p> <p>Highest possible points are 25 points, with 25 points for "Immediate", 14 points for "Short-Term" and 2.5 points for "Long-Term".</p> <p><b>Definition:</b>  Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p><b>Project Urgency:</b>  <u>Immediate Need (I)</u> - Project is needed to meet current demands or regulations within the next three (3) years. <i>←</i>  <u>Short-Term Need (S)</u> - Project is needed to meet demands or regulations within the next three to five (3 - 5) years.  <u>Long-Term Need (L)</u> - Project is needed to meet demands beyond the next five (5) years.</p>																				
<p><input type="checkbox"/> I Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.</p>																				

## FY 2020-2024 BUILDING & SITE / VEHICLES PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **60**

Truck Replacements

RAW SCORE = **48**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span> <div style="text-align: right; border: 1px solid black; padding: 2px;">46.20</div> <p>A <input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.</p> <p>B <input checked="" type="checkbox"/> <b>M</b> Project enhances building infrastructure to address treatment of staff or public issues.</p> <p>C <input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.</p>														
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b> <span style="float: right; border: 1px solid black; padding: 2px;">2.00</span> <input checked="" type="checkbox"/> With the Community <span style="margin-left: 100px;"><input type="checkbox"/> With other agencies</span>														
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b> <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span> <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><input type="checkbox"/> Air Quality &amp; Visibility Improvement</td> <td style="border: none;"><input type="checkbox"/> Recycled Water, rain water or gray water utilized</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)</td> <td style="border: none;"><input type="checkbox"/> Construction Site Waste Management</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Renewable Energy Use</td> <td style="border: none;"><input type="checkbox"/> Recycle/Re-use Solid Waste</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Water Efficient Features: Plumbing fixtures, Landscaping, etc.</td> <td style="border: none;"><input type="checkbox"/> Reduce Solid Waste Production</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Use of Recycled or Alternative Building Materials</td> <td></td> </tr> </table> <p><b>Trails &amp; Open Space (E3.3) - Check all that apply</b></p> <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><input type="checkbox"/> Trail friendly features</td> <td style="border: none;"><input type="checkbox"/> Open Space Protection / Preservation</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Provides/Improves Bicycle Commute Route</td> <td></td> </tr> </table>	<input type="checkbox"/> Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized	<input type="checkbox"/> Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management	<input type="checkbox"/> Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste	<input type="checkbox"/> Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production	<input type="checkbox"/> Use of Recycled or Alternative Building Materials		<input type="checkbox"/> Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation	<input type="checkbox"/> Provides/Improves Bicycle Commute Route	
<input type="checkbox"/> Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized														
<input type="checkbox"/> Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management														
<input type="checkbox"/> Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste														
<input type="checkbox"/> Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production														
<input type="checkbox"/> Use of Recycled or Alternative Building Materials															
<input type="checkbox"/> Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation														
<input type="checkbox"/> Provides/Improves Bicycle Commute Route															
<b>LEANER OBJECTIVE (15%)</b>	<p><b>Lifecycle costs are minimized - Check One</b> <span style="float: right; border: 1px solid black; padding: 2px;">0.00</span></p> <p><input type="checkbox"/> Annual cost savings of more than \$50,000</p> <p><input type="checkbox"/> Annual cost savings of \$10,000 to \$50,000</p> <p><input type="checkbox"/> Annual cost savings of less than \$10,000</p> <p><b>Funding Available from Other Agencies - Check One</b></p> <p><input type="checkbox"/> Over 50% of project costs available from other agencies</p> <p><input type="checkbox"/> 26% to 50% of project costs available from other agencies</p> <p><input type="checkbox"/> Up to 25% of project costs available from other agencies</p>														

## BUILDINGS & GROUNDS PROJECTS Priority Ranking Criteria

Project Name Here *Truck Replacements*

PRIORITY SCORE =  
RAW SCORE = 100

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact = ; Probability =	60.0	
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.			
	<b>Criterion A: Protect Existing Assets</b>			
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:			

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards

**Impact:**  
High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.  
Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. *Broken down equipment will result in this.*  
Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**  
High – Likely to almost certain 65% – 100% *Likelihood due to age, mileage and general condition of equipment.*  
Medium – Possible 35% – 65%  
Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Enhancement of Existing Assets**  
 Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
 Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public.  
Medium (M) – Provides benefits for between 10 to all employees. *Impacts Field Crew*  
Low (L) – Provides benefits for below 10 employees.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

---

**Criterion C: Addressing Future Space Needs**  
 Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
 Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future. *←*  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.



**FY 2020-2024 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 53**

**RAW SCORE = 43**

HVWTP Roof Replacement

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		38.58
	A	<input checked="" type="checkbox"/> <b>M-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4)</b> - Check all that apply		4.00
	<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4)</b> - Check all that apply		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input checked="" type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		0.00
	<input type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3)</b> - Check all that apply		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *HVWTP Roof Replacement*

<b>BUILDINGS &amp; GROUNDS OBJECTIVE</b> Clean (60% of Raw Score)	<b>Buildings and Grounds (EL 3.4)</b>	Impact =	; Probability =	60.00	
	Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.				
	<b>Criterion A: Protect Existing Assets</b>				
	Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:				

		<b>Probability</b>			
		High	Med.	Low	
<b>Impact</b>	<b>High</b>	H+ 55	H- 44	M+ 33	<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65% ←  <u>Low</u> – Unlikely or rare 0% – 35%</p>
	<b>Med.</b>	H- 44	M+ 33	M- 19.3	
	<b>Low</b>	M+ 33	M- 19.3	L 5.5	

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

---

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public. ←  
Medium (M) – Provides benefits for between 10 to all employees.  
Low (L) – Provides benefits for below 10 employees.

H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

---

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future. ←  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2020-2024 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 75**

Vacuum Excavator

**RAW SCORE = 60**

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		53.40
	A	<input checked="" type="checkbox"/> <b>H-</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> <b>H</b> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> <b>H</b> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4)</b> - Check all that apply		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4)</b> - Check all that apply		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3)</b> - Check all that apply		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

Project Name Here *Vacuum Excavator*

PRIORITY SCORE =  
RAW SCORE = 100

<b>Buildings and Grounds (EL 3.4)</b>	Impact =	; Probability =	60.00
Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.			

BUILDINGS & GROUNDS OBJECTIVE  
Clean (60% of Raw Score)

**Criterion A: Protect Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

**Definition:** Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.

**Impact:**  
High - Without the project, District staff likely can not perform their normal daily work *Critical piece of equipment used daily in operations.*  
**Medium** - Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  
**Low** - Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.

**Probability of impact occurring:**  
**High** - Likely to almost certain 65% - 100%  
**Medium** - Possible 35% - 65% ←  
**Low** - Unlikely or rare 0% - 35%

**H+** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
**High (H)** - Provides benefits for all employees or the public. ←  
**Medium (M)** - Provides benefits for between 10 to all employees.  
**Low (L)** - Provides benefits for below 10 employees.

**H** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
**High (H)** - Meet projected demand 10 years in the future. ←  
**Medium (M)** - Meet projected demand 10 to 20 years in the future.  
**Low (L)** - Meet projected demand beyond 20 years in the future.

**H** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2020-2024 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 75**

**RAW SCORE = 60**

Directional Drilling Machine

<b>PRIMARY OBJECTIVE (60%)</b>	<b>Buildings and Grounds (EL 3.4)</b> <span style="float: right;">Impact = M ; Probability = H</span>		53.40
	A	<input checked="" type="checkbox"/> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> Project positions the District to meet projected future space needs.	
<b>CLEANER OBJECTIVE (10%)</b>	<b>Positive Interaction (E 4) - Check all that apply</b>		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	<b>Good Neighbor (E 4) - Check all that apply</b>		
	<input type="checkbox"/>	Graffiti removal or Prevention Features	
	<input type="checkbox"/>	Trash removal features (vortex weirs)	
	<input type="checkbox"/>	Improves esthetics of project location	
<b>GREENER OBJECTIVE (15%)</b>	<b>Natural Resources Sustainability (E 3.2) - Check all that apply</b>		2.50
	<input checked="" type="checkbox"/>	Air Quality & Visibility Improvement	<input type="checkbox"/> Recycled Water, rain water or gray water utilized
	<input type="checkbox"/>	Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	<input checked="" type="checkbox"/> Construction Site Waste Management
	<input type="checkbox"/>	Renewable Energy Use	<input type="checkbox"/> Recycle/Re-use Solid Waste
	<input type="checkbox"/>	Water Efficient Features: Plumbing fixtures, Landscaping, etc.	<input type="checkbox"/> Reduce Solid Waste Production
			<input type="checkbox"/> Use of Recycled or Alternative Building Materials
	<b>Trails &amp; Open Space (E3.3) - Check all that apply</b>		
	<input type="checkbox"/>	Trail friendly features	<input type="checkbox"/> Open Space Protection / Preservation
	<input type="checkbox"/>	Provides/Improves Bicycle Commute Route	
<b>LEANER OBJECTIVE (15%)</b>	<b>Lifecycle costs are minimized - Check One</b>		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies - Check One</b>		
	<input type="checkbox"/>	Over 50% of project costs available from other agencies	
	<input type="checkbox"/>	26% to 50% of project costs available from other agencies	
	<input type="checkbox"/>	Up to 25% of project costs available from other agencies	

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *Directional Drilling Machine*

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)

**Buildings and Grounds (EL 3.4)** Impact = ; Probability = 60.00  
Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability			
		High	Med.	Low	
Impact	High	H+ 55	H- 44	M+ 33	<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <u>High</u> – Without the project, District staff likely can not perform their normal daily work. <i>Critical piece of equipment to repair services.</i>  <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.  <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>  <u>High</u> – Likely to almost certain 65% – 100%  <u>Medium</u> – Possible 35% – 65%  <u>Low</u> – Unlikely or rare 0% – 35%</p>
	Med.	H- 44	M+ 33	M- 19.3	
	Low	M+ 33	M- 19.3	L 5.5	

**H+** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
High (H) – Provides benefits for all employees or the public.  
Medium (M) – Provides benefits for between 10 to all employees.  
Low (L) – Provides benefits for below 10 employees.

**H** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
High (H) – Meet projected demand 10 years in the future.  
Medium (M) – Meet projected demand 10 to 20 years in the future.  
Low (L) – Meet projected demand beyond 20 years in the future.

**H** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.

**FY 2020-2024 BUILDING & SITE / VEHICLES PROJECTS**  
**Priority Ranking Criteria**

**PRIORITY SCORE = 99**  
**RAW SCORE = 79**

I.T. Servers

<b>PRIMARY OBJECTIVE</b> (75%)	<b>Water Supply (E 2)</b> <span style="float: right;">Impact = M ; Probability = M</span>		75.00
	A	<input checked="" type="checkbox"/> <b>H+</b> Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety. <b>(H+, H-, M+, M-, L)</b>	
	B	<input type="checkbox"/> <b>H</b> Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post-disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance]. <b>(H, M, L)</b>	
C	<input type="checkbox"/> <b>I</b> Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. <b>(I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</b>		
<b>SOCIAL FACTORS</b> (7.5%)	<b>Social Factor</b> - Check if applicable		2.50
	<input checked="" type="checkbox"/>	Promotes Emergency Recovery	
<b>Positive Interaction (E 4)</b> - Check all that apply			
<input type="checkbox"/>	With the Community	<input type="checkbox"/> With other agencies	
<b>ENVIRONMENTAL FACTORS</b> (7.5%)	<b>Water Quality (E 3.2)</b> - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	<b>Natural Resources Sustainability (E 3.2)</b> - Check all that apply		
<input type="checkbox"/>	Promotes water use efficiency	<input type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features	
<input type="checkbox"/>	Promotes groundwater basin management		
<b>ECONOMIC FACTORS</b> (10%)	<b>Lifecycle costs are minimized</b> - Check One		0.00
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input type="checkbox"/>	Annual cost savings of less than \$10,000	
	<b>Funding Available from Other Agencies</b> - Check One		
<input type="checkbox"/>	Over 50% of project costs available from other agencies		
<input type="checkbox"/>	26% to 50% of project costs available from other agencies		
<input type="checkbox"/>	Up to 25% of project costs available from other agencies		

NOTE: You must type a capital "X" in the check boxes for any of the Social, Environmental, or Economic factors in order for the built-in formulas to recognize and calculate the scores.

\* For this project, the Water Supply / Treatment Project priority ranking criteria was used because security for the well sites is driven by water safety.

# BUILDINGS & SITE / VEHICLES PROJECTS

## Priority Ranking Criteria

PRIORITY SCORE =  
RAW SCORE = 100

Project Name Here *I. T. Servers*

**BUILDINGS & GROUNDS OBJECTIVE**  
Clean (60% of Raw Score)

**Buildings and Grounds (EL 3.4)** Impact = ; Probability = 60.00

Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

**Criterion A: Protect Existing Assets**  
Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability			
		High	Med.	Low	
Impact	High	<div style="border: 1px solid black; padding: 2px; display: inline-block;">H+</div> 55	H- 44	M+ 33	<p><b>Definition:</b> Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p><b>Impact:</b>  <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">High</span> – Without the project, District staff likely can not perform their normal daily work  <i>Critical pieces of equipment for the District.</i>                      Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds.                      Low – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p><b>Probability of impact occurring:</b>                      High – Likely to almost certain 65% – 100% <span style="color: red;">←</span>                      Medium – Possible 35% – 65%                      Low – Unlikely or rare 0% – 35%</p>
	Med.	H- 44	M+ 33	M- 19.3	
	Low	M+ 33	M- 19.3	L 5.5	

**H+** Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

**Criterion B: Enhancement of Existing Assets**  
Highest possible points are 30 points, with 30 points for "high", 18 points for "medium" and 3 points for "low".

**Definition:**  
Project enhances building infrastructure to address treatment of staff issues.

**Effect of Project Impact:**  
 High (H) – Provides benefits for all employees or the public. ←  
 Medium (M) – Provides benefits for between 10 to all employees.  
 Low (L) – Provides benefits for below 10 employees.

**H** Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.

**Criterion C: Addressing Future Space Needs**  
Highest possible points are 15 points, with 15 points for "high", 9 points for "medium" and 1.5 points for "low".

**Definition:**  
Project positions the District to meet projected future space needs.

**Effect of Project Impact:**  
 High (H) – Meet projected demand 10 years in the future. ←  
 Medium (M) – Meet projected demand 10 to 20 years in the future.  
 Low (L) – Meet projected demand beyond 20 years in the future.

**H** Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.



May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **PROPOSED ORDINANCES: PROHIBITION OF WATER THEFT AND TAMPERING WITH DISTRICT FACILITIES, PROVISIONS FOR CLAIMS AND LAWSUITS, AND PROVISIONS OF WATER SERVICE**

### **RECOMMENDATION**

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

1. Ordinance 05.15.19.01 prohibiting the theft of water and tampering with District facilities, and
2. Ordinance 05.15.19.02 prescribing provisions for claims and lawsuits, and
3. Ordinance 05.15.19.03 prescribing provisions of water service, replacing Ordinance 06.22.11.01 and making certain findings and determinations in connection therewith.

### **SUMMARY**

One of the key objectives outlined in the Elk Grove Water District (EGWD) Fiscal Year (FY) 2018-19 Operating Budget is to review and consolidate the EGWD's Water Rate Ordinance into a single document. Pursuant to this review, and in order to implement greater public transparency, it was determined that the master ordinance should be divided and reconstructed into multiple ordinances that more clearly define EGWD's requirements.

Three (3) ordinances are needed to fully complete this objective and these were provided to the Florin Resource Conservation District (FRCD) Board of Directors (Board) for review on March 20 and April 17, 2019. These include a Prohibition of Water Theft and Tampering with District Facilities Ordinance, a Provisions for Claims and Lawsuits Ordinance, and an ordinance governing the Provisions of Water Service.

All comments and requested changes have been incorporated into the revised ordinances and they are now presented to the Board for consideration.

**PROPOSED ORDINANCES: PROHIBITION OF WATER THEFT AND TAMPERING WITH DISTRICT FACILITIES, PROVISIONS FOR CLAIMS AND LAWSUITS, AND PROVISIONS OF WATER SERVICE**

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**DISCUSSION**

Background

On June 20, 2018, the Board adopted the EGWD FY 2018-19 Operating Budget. This budget identifies numerous key objectives. One of these key objectives is to review and consolidate the EGWD's Water Rate Ordinance (Ordinance 06.22.11.01) into a single document.

Staff, with the assistance of Legal Counsel, reviewed what was needed to accomplish this objective and determined it would be better to instead divide Ordinance 06.22.11.01 into multiple ordinances that more clearly define EGWD's requirements. As a result, the sections on water theft, claims and lawsuits, and general provisions of water service have been divided into separate ordinances.

Three (3) new ordinances were drafted and these are entitled Prohibition of Water Theft and Tampering with District Facilities, Provisions for Claims and Lawsuits, and Provisions of Water Service. These ordinances were provided for the Board's review at the March 20, 2019 regular Board meeting and again at the April 17, 2019 regular Board meeting. Comments and requested changes were received at these two (2) meetings and the ordinances were revised accordingly.

Present Situation

The following ordinances are now presented to the Board for consideration:

1. Ordinance 05.15.19.01 prohibiting the theft of water and tampering with District facilities, and
2. Ordinance 05.15.19.02 prescribing provisions for claims and lawsuits, and
3. Ordinance 05.15.19.03 prescribing provisions of water service, replacing Ordinance 06.22.11.01 and making certain findings and determinations in connection therewith.

**ENVIRONMENTAL CONSIDERATIONS**

EGWD's Board finds, pursuant to Title 14 of the California Code of Regulations, Section 15061(b)(3), that these Ordinances are exempt from the requirements of the California Environmental Quality Act (CEQA) in that it is not a Project which has the potential for causing a significant effect on the environment.

May 15, 2019

**PROPOSED ORDINANCES: PROHIBITION OF WATER THEFT AND TAMPERING WITH DISTRICT FACILITIES, PROVISIONS FOR CLAIMS AND LAWSUITS, AND PROVISIONS OF WATER SERVICE**

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Page 3

**STRATEGIC PLAN CONFORMITY**

The proposed ordinances conform to the FRCD/EGWD's 2012-2017 Strategic Plan. The Mission of the EGWD is stated as: "Committed to supplying our customers with high quality, safe water along with outstanding customer service for current and future generations." These ordinances conform to that Mission statement and also conform to EGWD's goals of Financial Stability, excellent Customer Service, and good Business Practices.

**FINANCIAL SUMMARY**

Aside from the re-establishment of fines and penalties for water theft, there are no financial impacts associated with these proposed ordinances.

Respectfully submitted,



MARK J. MADISON  
GENERAL MANAGER

Attachments

**ORDINANCE NO. 05.15.19.01**

**AN ORDINANCE OF THE FLORIN RESOURCE  
CONSERVATION DISTRICT BOARD OF DIRECTORS PROHIBITING  
THE THEFT OF WATER AND  
TAMPERING WITH DISTRICT FACILITIES**

WHEREAS, the Florin Resource Conservation District (District) is a resource conservation district duly organized and existing under and pursuant to Division 9 of the Public Resources Code of California; and

WHEREAS, the District is authorized and empowered to acquire, own, operate, maintain, construct, finance, improve and extend a public water system; and

WHEREAS, The District owns and operates the Elk Grove Water District as a public water utility system; and

WHEREAS, California Penal Code Section 498 prohibits the theft of utility services, including water; and

WHEREAS, California Penal Code Section 624 prohibits every person from willfully damaging, tampering with, or digging up water pipes or waterworks; and

WHEREAS, California Penal Code Section 625 prohibits every person who, with intent to defraud or injure, opens or causes to be opened, or draws water from any disconnected utility connection after having been notified that the same has been closed or shut for specific cause, by order of competent authority; and

WHEREAS, any person who violates Penal Code Sections 498, 624 or 625 is guilty of a misdemeanor; and

WHEREAS, in the event that a suspected water theft is discovered, the District may contact law enforcement personnel, which can result in the District pressing criminal charges; and

WHEREAS, California Civil Code Section 1882, et seq. authorizes the District to bring a civil action for damages against any person who commits, authorizes, solicits, aids, abets, or attempts any of the following acts:

- a. Diverts, or causes to be diverted, utility services by any means whatsoever;
- b. Makes, or causes to be made, any connection or reconnection with property owned or used by the utility to provide utility service without the authorization or consent of the utility;
- c. Prevents any utility meter, or other device used in determining the charge for utility services, from accurately performing its measuring function by tampering or by any other means;
- d. Tampers with any property owned or used by the utility to provide utility services; or

e. Uses or receives the direct benefit of all, or a portion, of the utility service with knowledge of, or reason to believe that, the diversion, tampering, or unauthorized connection existed at the time of the use, or that the use or receipt, was without the authorization or consent of the utility; and

WHEREAS, pursuant to California Government Code section 53069.4, the District may, by ordinance, make the violation of any ordinance enacted by its Board of Directors subject to a civil administrative fine or penalty; and

WHEREAS, because water is a vital resource, the District has determined that it is appropriate to impose a civil penalty for the theft of water to protect this vital resource; and

WHEREAS, the District Board of Directors finds that this Ordinance is in the best interests of the District to protect the health, safety and welfare of its customers and the community; and

WHEREAS, the District Board of Directors finds that this Ordinance is consistent with state law and the policies of the District.

**NOW, THEREFORE, THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS HEREBY DETERMINES AND ORDAINS AS FOLLOWS:**

Section 1. Recitals. The District hereby finds and determines that the above recitals are true and correct and are incorporated herein.

Section 2. Approval of Ordinance. The Florin Resource Conservation District/Elk Grove Water District Ordinance Prohibiting the Theft of Water and Tampering with District Facilities, as described in Exhibit A, attached hereto and incorporated by reference, is hereby approved.

Section 3. California Environmental Quality Act Compliance. The District Board of Directors find, pursuant to Title 14 of the California Code of Regulations, Section 15061(b)(3), that this Ordinance is exempt from the requirements of the California Environmental Quality Act (CEQA) in that it is not a Project which has the potential for causing a significant effect on the environment.

Section 4. Severability. If any provision, section, subsection, sentence, clause or phrase or sections of this Ordinance, or the application of same to any person or set of circumstances, is for any reason held to be unconstitutional, void or invalid, the validity of the remaining portions, provisions or regulations contained herein shall become inoperative, or fail by reason of unconstitutionality of any other provision hereof, and all provisions of this Ordinance are declared to be severable for that purpose.

Section 5. Ordinance Effective Date. This Ordinance shall be in full force and effect thirty (30) days from and after the date of its adoption.

**PASSED AND ADOPTED** by the Florin Resource Conservation District Board of Directors on this 15<sup>th</sup> day of May, 2019 by the following vote:

**AYES:**  
**NOES:**  
**ABSENT:**  
**ABSTAIN:**

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Tom Nelson  
Chairman of the Board of Directors

ATTEST:

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Stefani Phillips  
Secretary to the Board of Directors

**EXHIBIT “A”**

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

**“PROHIBITION OF THEFT OF WATER AND TAMPERING WITH DISTRICT  
FACILITIES”**

[Attached behind this cover page]

## **PROHIBITION OF THEFT OF WATER AND TAMPERING WITH DISTRICT FACILITIES**

### **SECTION 1. WATER THEFT PROHIBITED**

**1.1 Water Theft.** For purposes of this Ordinance, “water theft” means and includes all of the following:

1. The use, diversion, receipt or taking of District water by any means from any public fire hydrant, blow-off valve, water main, water service lateral or other District facility or connection to a District facility, to which a District authorized metering device has not been installed or has been removed by the District; and
2. The use, diversion, receipt or taking of District water by any means without paying the full and lawful District charges for such water, or by tampering with District property or facilities, such as by removing a lock or plug that has been placed on a customer’s service or meter, or unauthorized use, or by tampering with a service connection to any District facilities and any public fire hydrant.

**1.2 Unauthorized Use.** For the purposes of this Ordinance, “unauthorized use” includes the use of water from a stationary service connection where lawful water service has been discontinued or from a public fire hydrant to supply water outside of the District service area, regardless of whether payment is provided to the District for the water drawn from the public fire hydrant, or any use of the hydrant meter in violation of the terms and conditions of the hydrant meter permit.

**1.3 Tampering.** Tampering with District equipment or facilities is considered grounds for discontinuance of utility service. “Tampering” shall include, but not be limited to:

1. Opening valves at the curb or meters that have been turned off by District personnel;
2. Breaking, picking or damaging cut-off locks;
3. Bypassing meters in any manner;
4. Taking unmetered water from hydrants by anyone other than authorized officials of a fire department, fire insurance company or District employee for any purpose other than firefighting, testing or flushing of hydrants;
5. Use of sprinkler system water for any purpose other than fire protection;
6. Removing, disabling or adjusting meter registers;
7. Connecting to or intentionally damaging water lines, valves or other appurtenances;
8. Moving meters or extending service without written permission of the District;
9. Any intentional act of defacement, destruction or vandalism to District property;



10. Any intentional blockage or obstruction of District property.

**1.4 Misdemeanor.** Water theft and tampering are prohibited. Each act of water theft or tampering constitutes a misdemeanor under state law.

**1.5 Reportable Offense.** If any person takes water from a fire hydrant without authorization or otherwise tampers with District property, the District shall submit a record of the vehicle license plate number, available photographs and any other applicable information to the County of Sacramento Sheriff's Department or City of Elk Grove Police Department for investigation, where applicable.

**1.6 Prosecution.** The District may report any water theft to the appropriate prosecuting criminal agency and request prosecution of said activity pursuant to the Penal Code.

## **SECTION 2. ADMINISTRATIVE PENALTIES**

**2.1 Remedies.** In addition to pursuing criminal penalties, the District, upon discovering water theft or tampering with District property, may also pursue the following remedies available at law or equity:

1. Require the immediate removal of any equipment, connections or tools used to accomplish the water theft of District property;
2. Charge the customer or perpetrator an administrative penalty of:
  - I. \$100 for the first violation;
  - II. \$200 for the second violation within a 12-month period; and
  - III. \$500 for each violation thereafter within a 12-month period.
3. The customer or perpetrator shall be charged all costs incurred by the District associated with reporting the violation including, but not limited to, labor, materials and equipment used to report the incident and all costs incurred by the District to replace or repair any District facilities or other items that were tampered with, damaged or removed for the purpose of receiving water without paying the full lawful charge. These costs are subject to an overhead and administrative charge of fifteen percent (15%). No further service shall be allowed at the address until all fees and charges are paid in full.

## **SECTION 3. OTHER REMEDIES**

**3.1 Enforcement Action.** In addition to any other remedies provided in this Ordinance or available under applicable law, the District may alternatively seek injunctive relief in the County of Sacramento Superior Court or take enforcement action. All remedies provided herein shall be cumulative and not exclusive. If a customer or any other person turns on water service without District authorization; tampers with any locked water meter; tampers with a service connection or

District facilities; bypasses a meter; makes an unauthorized connection to District facilities without District permission; or commits water theft, the District may:

1. Turn off the water service and install a lock;
2. Estimate, if necessary, the water taken and charge the customer, offender or water recipient for the water taken from the District facility, plus any other amount reflective of the District's costs for such estimate and related activities;
3. Charge the customer, offender, or water recipient for the damage to the District lock, meter or other property;
4. Remove the meter and plug service;
5. Terminate and remove the service from its connection to the water main;
6. Charge a deposit reflective of the District's cost to reestablish service;
7. Require the return of any District hydrant meter;
8. Prohibit any person who has committed three violations of this Ordinance within a twelve-month period from obtaining a District hydrant meter permit for a period of three (3) years from the date of the third violation.

**3.2 Other Costs.** Any violation that causes the District to repair, restore, replace, or relocate a District-owned facility will be billed on a time and material basis plus an overhead and administrative charge of fifteen percent (15%). Nonpayment of such amounts may result in termination of service.

#### **SECTION 4. NOTICE**

**4.1 Notice of Violation.** A "Notice of Violation" shall be mailed or delivered to the customer, offender or water recipient when evidence suggests the possibility of theft of service at the customer's property.

**4.2 Order to Cease.** If the violation does not constitute an immediate threat to public safety or the integrity of the District's water system, the customer, offender or water recipient shall be ordered to immediately cease the unlawful practice.

**4.3 Delivery of Notice of Violation.** A "Notice of Violation" shall be mailed or delivered to the customer, offender or water recipient after water service is cut off for the following:

1. In the opinion of the District's General Manager, theft of service is clearly evident on the customer's property or property where the offense occurred and immediate action is necessary;
2. In the opinion of the District's General Manager, there is an immediate threat to public health or safety.

## **SECTION 5. PAYMENT AND APPEAL PROCEDURES**

**5.1 Invoicing.** The District shall calculate the amount of damages and penalty(ies) to be imposed, and shall send a bill to the customer, or if the offender is not a customer of record, an invoice for payment of the damages and penalty(ies) may be sent to the offender or water user or recipient.

**5.2 Fees and Charges.** All costs relating to the District's processing and handling of the water theft, investigation and enforcement thereof and potential charges for reestablishment of service, shall be borne by the party having responsibility for the water account at the time of the water theft, or if there is no customer of record, by the offender, water user or recipient. These charges include, but are not limited to, investigation and enforcement costs, service call charges, water charges, turnoff of service, charges for damage to District facilities and equipment, and plug and/or termination fees. Before the meter will be replaced and service reestablished, the party requesting service, if in any way involved or related to, or associated with parties involved in the water theft, shall deposit an amount reflective of the District's costs, plus the standard meter reinstallation fee, in addition to all service call charges, and an amount representing any damage to District property.

**5.3 Other Costs.** All charges relating to the District's processing and handling of the water theft involving the taking of water from a public fire hydrant shall be borne by the offender or water user recipient, including, but not limited to, the cost of any water, charges for any damage to District facilities and equipment, and costs of investigation and enforcement.

**5.4 Appeals Process.** Any person (an "appellant") who wishes to appeal the imposition of an administrative penalty imposed by the District pursuant to this Ordinance, or who wishes to appeal the imposition of a three-year prohibition on a hydrant meter permit pursuant to Section 3.1(8) herein, shall comply with the following procedures:

1. The appellant shall submit an appeal request to the District General Manager no later than fifteen (15) calendar days from the date of the bill or invoice sent to the customer or offender.
2. A response to the appeal request shall be provided by the District General Manager, or his or her designee, within thirty (30) calendar days from the receipt of the appeal request form.
3. If an appeal request is denied, the appellant may resubmit the appeal request to the District Board of Directors no later than fifteen (15) calendar days from the date of the denial. The appellant may request to provide evidence in writing or in person in support of his or her appeal.
4. The decision by the District General Manager, or his or her designee, shall be final unless appealed to the Board of Directors. In such event, the decision of the Board of Directors shall be final.
5. Within ten (10) business days after the denial of the appeal is deemed final, the appellant shall pay any disputed penalties imposed by the District.

6. The provisions of Section 1094.6 of the Code of Civil Procedure of the State of California shall be applicable to judicial review of the decision.

**ORDINANCE NO. 05.15.19.02**

**AN ORDINANCE OF THE FLORIN RESOURCE  
CONSERVATION DISTRICT BOARD OF DIRECTORS PRESCRIBING  
PROVISIONS FOR CLAIMS AND LAWSUITS**

WHEREAS, the Florin Resource Conservation District (District) is a resource conservation district duly organized and existing under and pursuant to Division 9 of the Public Resources Code of California; and

WHEREAS, the general claim procedures applicable to local public agencies are governed by the provisions of the California Government Code, Chapters 1 and 2 of Division 3.6, commencing with Section 900 and following; and

WHEREAS, the District is authorized by the provisions of Section 935 of the California Government Code to establish procedures for all claims against the District for money or damages, provided that such claims are not governed by any other statute or regulation; and

WHEREAS, the District wishes to adopt such procedures governing claims and lawsuits in order to process such claims and lawsuits more efficiently and expeditiously; and

WHEREAS, the District Board of Directors finds that this Ordinance is in the best interests of the District to protect the financial health of the District and to preserve the services provided to the community; and

WHEREAS, the District Board of Directors finds that this Ordinance is consistent with state law and the policies of the District.

**NOW, THEREFORE, THE FLORIN RESOURCE CONSERVATION DISTRICT  
BOARD OF DIRECTORS HEREBY DETERMINES AND ORDAINS AS FOLLOWS:**

Section 1. Recitals. The District hereby finds and determines that the above recitals are true and correct and are incorporated herein.

Section 2. Approval of Ordinance. The Florin Resource Conservation District/Elk Grove Water District Ordinance Prescribing Provisions for Claims and Lawsuits, as described in Exhibit A, attached hereto and incorporated by reference, is hereby approved.

Section 3. California Environmental Quality Act Compliance. The District Board of Directors find, pursuant to Title 14 of the California Code of Regulations, Section 15061(b)(3), that this Ordinance is exempt from the requirements of the California Environmental Quality Act (CEQA) in that it is not a Project which has the potential for causing a significant effect on the environment.

Section 4. Severability. If any provision, section, subsection, sentence, clause or phrase or sections of this Ordinance, or the application of same to any person or set of

circumstances, is for any reason held to be unconstitutional, void or invalid, the validity of the remaining portions, provisions or regulations contained herein shall become inoperative, or fail by reason of unconstitutionality of any other provision hereof, and all provisions of this Ordinance are declared to be severable for that purpose.

Section 5. Ordinance Effective Date. This Ordinance shall be in full force and effect thirty (30) days from and after the date of its adoption.

**PASSED AND ADOPTED** by the Florin Resource Conservation District Board of Directors on this 15<sup>th</sup> day of May, 2019 by the following vote:

**AYES:**  
**NOES:**  
**ABSENT:**  
**ABSTAIN:**

---

Tom Nelson  
Chairman of the Board of Directors

ATTEST:

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Stefani Phillips  
Secretary to the Board of Directors

**EXHIBIT “A”**

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

**“PROVISIONS FOR CLAIMS AND LAWSUITS”**

[Attached behind this cover page]

## **PROVISIONS FOR CLAIMS AND LAWSUITS**

### **SECTION 1. CLAIMS AND LAWSUITS.**

**1.1 Claims Governed by This Ordinance.** Claims against the District for money or damages that are not governed either by the Claims Act or other state law shall be governed by this Ordinance. The claims governed by this Ordinance are:

1. Claims under the Revenue and Taxation Code or other statute prescribing procedures for the refund, rebate, exemption, cancellation, amendment, modification, or adjustment of any tax, assessment, fee, or charge or any portion thereof, or of any penalties, cost or charges related thereto;
2. Claims by public employees for fees, salaries, wages, or other expenses and allowances;
3. Claims for which workers' compensation authorized by Division 4 (commencing with Section 3200) of the Labor Code is the exclusive remedy;
4. Applications or claims for any form of public assistance under any provision of law relating to public assistance programs, and claims for goods, services, provisions, or other assistance rendered for or on behalf of any recipient of any form of public assistance;
5. Applications or claims for money or benefits under any public retirement or pension system;
6. Claims for principal or interest upon any bonds, notes, warrants, or other evidences of indebtedness;
7. Claims by the state or by a state department or agency or by another local public entity or by a judicial branch entity;
8. Claims arising under any provision of the Unemployment Insurance Code, including, but not limited to, claims for money or benefits, or for refunds or credits of employer or worker contributions, penalties, or interest, or for refunds to workers of deductions from wages in excess of the amount prescribed; and
9. Claims for the recovery of penalties or forfeitures made pursuant to Article I (commencing with Section 1720) of Chapter 1 of Part 7 of Division 2 of the Labor Code.

**1.2 Claim Presentation Requirements.** The claims listed in Section 1.1 must comply with the claim presentation requirements of the Claims Act and shall be presented within the time and manner



prescribed by Part 3 of Division 3.6 of Title 1 of the California Government Code (commencing with Section 900 thereof), as those provisions now exist or may be hereafter amended.

**1.3 Prerequisite to a Legal Action.** Prior to filing a legal action on a claim in Section 1.1, the claim must be presented as required under this Ordinance and acted upon by the District according to law, including the Claims Act. No legal action may be maintained by a person or entity who has not complied with the requirements of this Ordinance.

**1.4 Requirements to Bringing a Legal Action.** Any legal action brought against the District on a claim in Section 1.1 must conform to the requirements in Government Code Sections 940-949. Any legal action brought against any employee of the District on a claim in Section 1.1 must conform to the requirements in Sections 940-944 and 950-951 of the Government Code.

**1.5 Delegation to General Manager of Certain Board Authority.**

1. Pursuant to Government Code Section 935.4, the District's General Manager is authorized and directed to perform all functions of the Board of Directors under the Claims Act to allow, compromise or settle any claim, including but not limited to the claims in Section 1.1, against the District up to fifty thousand dollars (\$50,000).
2. After the claim is resolved and the agreement memorializing the settlement is fully executed by all parties to the claim, the General Manager shall report resolution of the claim to the Board during an open session of a District Board meeting.
3. Except as expressly delegated to the General Manager herein, the Board of Directors shall retain and exercise all authority under the Claims Act.

**ORDINANCE NO. 05.15.19.03**

**AN ORDINANCE OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS PRESCRIBING PROVISIONS OF WATER SERVICE; REPLACING ORDINANCE NO. 06.22.11.01 AND MAKING CERTAIN FINDINGS AND DETERMINATIONS IN CONNECTION THEREWITH**

WHEREAS, the Florin Resource Conservation District (District) is a resource conservation district duly organized and existing under and pursuant to Division 9 of the Public Resources Code of California; and

WHEREAS, the District is authorized and empowered to own, operate, maintain, acquire, construct, finance, improve and extend a public water system; and

WHEREAS, the District owns and operates the Elk Grove Water District, a public water system; and

WHEREAS, the District is authorized to impose, adopt, revise, amend, and rescind provisions of water service for its system; and

WHEREAS, the District's current provisions of water service were prescribed in Ordinance 06.22.11.01 Prescribing Rates for Water Service, and

WHEREAS, the Board of Directors wishes to replace Ordinance No. 06.22.11.01.

**NOW THEREFORE, THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS HEREBY DETERMINES AND ORDAINS AS FOLLOWS:**

Section 1. Recitals. The above recitals are true and correct and incorporated herein.

Section 2. Approval of Ordinance. Ordinance 06.22.11.01 is hereby replaced and with Ordinance No. 05.15.19.03 including the attached Exhibit A.

Section 3. California Environmental Quality Act Compliance. The District Board of Directors find, pursuant to Title 14 of the California Code of Regulations, Section 15061(b)(3), that this Ordinance is exempt from the requirements of the California Environmental Quality Act (CEQA) in that it is not a Project which has the potential for causing a significant effect on the environment.

Section 4. Severability. If any provision, section, subsection, sentence, clause or phrase of this Ordinance, or the application of same to any person or set of circumstances, is for any reason held to be unconstitutional, void or invalid, the validity of the remaining portions, provisions or regulations contained herein shall become inoperative, or fail by reason of unconstitutionality of any other provisions hereof, and all provisions of this Ordinance are declared to be severable for that purpose.

Section 3. Ordinance Effective Date. This ordinance shall be in full force and effect thirty (30) days from and after the date of its adoption.

**PASSED AND ADOPTED** by the Florin Resource Conservation District Board of Directors on this 15<sup>th</sup> day of May 2019 by the following vote:

**AYES:**  
**NOES:**  
**ABSENT:**  
**ABSTAIN:**

---

Tom Nelson  
Chairperson of the Board of Directors

ATTEST:

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Stefani Phillips  
Secretary to the Board of Directors

**EXHIBIT “A”**

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

**“PROVISIONS OF WATER SERVICE”**

[Attached behind this cover page]

**SECTION 1. SHORT TITLE, DEFINITIONS AND GENERAL PROVISIONS.**

**1.1 Short Title.** This ordinance may be cited as the Provisions of Water Service Ordinance (Ordinance).

**1.2 Severability.** If a section, subsection, sentence, clause or phrase of this Ordinance is held to be unconstitutional, or contrary to the general or special laws of the United States or the State of California, the invalidity of such section, subsection, sentence, clause or phrase shall not affect the remaining portions of this Ordinance.

**1.3 Applicability.** This Ordinance shall apply to all water facilities owned by the District, known as the Public Water System, and to all persons who use or perform work on the Public Water System.

**1.4 Definitions.** Unless the context specifically indicates otherwise, the following terms shall for purposes of this Ordinance have the meanings indicated as follows:

Board	Florin Resource Conservation District/Elk Grove Water District Board of Directors
City	City of Elk Grove
Construction Water	Water used in construction operation, and for testing and flushing water mains. A Construction Water Permit is required for the use of Construction Water.
Construction Water Permit	A written authorization by the District required pursuant to this Ordinance for the use of Construction Water.
Customer	The owner, or owner’s agent/tenant who receives Water Service from the District.
Customer Service Line	The Customer-owned facilities consisting of the Water Service piping, valves, and other appurtenances between the discharge of the meter and the point of use.
District	The Florin Resource Conservation District/Elk Grove Water District, Sacramento County, California.
District Office	The administration office of the Florin Resource Conservation District/Elk Grove Water District.
Fire Protection Service	A class of Water Service provided by the District for the use of fire protection.
Irrigation Water Service	A class of Water Service provided by the District for the use of irrigation.

Non-Residential Water Service	A class of Water Service provided by the District for the use in non-residential establishments. Non-residential includes commercial, industrial, and institutional establishments.
Premise	A property which is determined by the District to be eligible to receive Water Service.
Public Water System	The District's water system consisting of all supply and water treatment facilities, and the water distribution system up to and including each meter and meter box, or where the Customer's fire protection water main ties into the Public Water System distribution main.
Residential Water Service	A class of Water Service provided by the District for the use in single-family homes, multi-family residential structures or mobile home parks.
Standard Construction Specifications	The most current version of the District's Standard Construction Specifications and Standard Detail Drawings.
Water Service	The delivery and/or receipt of water.
Water Service Demand	The amount of water required for use by any Premise.

**1.5 Violation of Ordinance.** Any person found to be violating any provision of this Ordinance shall be served by the General Manager with written notice stating the nature of the violation and providing a reasonable time for the satisfactory correction thereof. The said time limit shall not be less than one (1) nor more than ten (10) working days. The offenders shall within the period of time stated cease all violations and correct the conditions causing violation of this Ordinance. Violation of this Ordinance will be penalized according to Government Code § 53069.4. Fines of \$100 for a first violation; \$200 for a second violation of the same provision of this Ordinance within one (1) year; and \$500 for each additional violation of the same provision of this Ordinance within one (1) year will be assigned to the account if satisfactory correction is not made within the time stated. Each and every connection or occupancy in violation of this Ordinance shall be deemed a separate violation. Each and every day or part of a day a violation of this Ordinance continues will be deemed a separate offense hereunder, and shall be punishable as such. Repeated offenses can result in the termination of Water Service.

**1.6 Damage to Public Water System.** Any person damaging any of the Public Water System property or violating any of the provisions of this Ordinance shall become liable to the District for any expense, loss or damage occasioned by reason of such damage or such violation.

**1.7 Administration of Ordinance.** It shall be the responsibility of the General Manager to conduct the operation of the Public Water System in accordance with provisions of this Ordinance and to enforce all its provisions. The General Manager shall take all actions necessary to carry out the

specific requirements and intent of this Ordinance. Failure on the part of the Board, General Manager or any other District personnel to enforce this Ordinance or any provision thereof shall create no liability on the part of the District, or any personnel of the District, to any third persons.

## **SECTION 2. DESCRIPTION OF GENERAL WATER SERVICE**

**2.1 Ownership of Water Facilities.** Water facilities fall into two (2) categories of ownership, District-owned facilities and Customer-owned facilities. Water facilities owned by the District are what are known as the Public Water System. The Public Water System consists of all water supply and treatment facilities, and the water distribution system up to, and including, each meter and meter box. The Customer-owned facilities consist of the Water Service piping, valves, and other appurtenances between the discharge of the meter and the point of use, collectively called the Customer Service Line. The District is responsible for operating and maintaining the Public Water System. Each Customer is responsible for operating and maintaining their Customer Service Line. Construction to extend the Public Water System is funded by developers as part of the development process through the City. After construction to extend the Public Water System is completed and accepted by the District, and the developer has paid all capacity and meter charges owed the District, the developer shall transfer ownership of the extended Public Water System to the District.

**2.2 Water Supply.** The District is divided into two (2) service areas, Service Area 1 and Service Area 2. The District serves Service Area 1 with water from various groundwater wells located within Service Area 1. Water in Service Area 1 is non-fluoridated. For Service Area 2, the District, as required through a Master Water Agreement, serves purchased water from the Sacramento County Water Agency (SCWA). The purchased water from SCWA is either groundwater, or a combination of groundwater and surface water, and is fluoridated. A map showing the District's two (2) service areas can be found as Attachment 1.

**2.3 Water Pressure.** The District specifies the pressure range for Water Service in the District's Standard Construction Specifications.

**2.4 Continuity of Water Service.** The District is committed to providing each Customer with a continuous supply of water. However, due to planned maintenance or construction activities, or unplanned emergency events, Customers may experience interruptions in Water Service from time to time. For planned maintenance or construction activities causing interruptions in Water Service, the District shall notify Customers 24-hours prior to the scheduled shutdown. For unplanned emergency events, Customers will not receive any prior notifications for interruptions in Water Service. The District shall not be liable for any losses, inconveniences or damages sustained by Customers as a result of interruptions in Water Service.

**2.5 Types of Water Service.** Types of Water Service provided by the District include Residential Water Service, Non-Residential Water Service, Irrigation Water Service and Private Fire Protection Water Service. Residential, Non-Residential and Irrigation Water Services are metered. Private Fire Protection Water Service is unmetered. At minimum, each single parcel shall be served by a dedicated, individual Water Service. Under no circumstances shall multiple parcels be served by one Water Service. A single parcel may be served by more than one Water Service.

**2.6 Resale of Water.** Water purchased from the District shall not, without specific authorization, be resold or re-metered for purposes of sale or proration outside the boundaries of the customer's premise.

**2.7 Refusal and Limitation of Service.** The General Manager may refuse to furnish water or may discontinue Water Service to any Premises for the following reasons:

1. To protect the District or the Public Water System or both from fraud and abuse.
2. The requested Water Service Demand may be detrimental or injurious to the Water Service of other Customers.
3. The distribution facilities are inadequate to supply the requested Water Service Demand.
4. The Premise uses a private well and the Customer does not pay for fire service offered through basic water charges.
5. To protect District Customers from a threat to public health and safety in the case of tampered water, natural disasters or emergencies.
6. Delinquency of Customer accounts. Refer to Section 4, Discontinuance and Restoration of Service.

The General Manager may limit the total quantity of water furnished to Premises or may establish the times and the Water Service Demand rates at which water may be taken or will be furnished to Premises, even though a limit or maximum use may or may not appear on the application or Permit for the Water Service.

**2.8 Water Used Without Application.** A person who takes possession of a Premise and uses water without applying for Water Service is liable for all the costs of the water delivered from the date of the last recorded meter reading and will be assessed a violation fine as set forth by the Districts most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits. If proper application for service is not made within five (5) calendar days after notification to do so by the General Manager or if accumulated bills for Water Service are not paid upon presentation, Water Service shall be discontinued without further notice.

**2.9 Application for Service.** An applicant wanting to establish Water Service shall:

1. Submit an application on a form as approved by the District. The District may accept applications made via fax, mail or in person; or
2. Upon taking possession as an owner of any Premise located within the District service area, and upon verification from escrow settlement statements or any other document of record with the Sacramento County Recorder's Office, the District shall establish an account for Water Service for the named owner of such Premise, the effective date to be the date of closing of escrow.



3. An applicant who is a lessee of any Premise within the District's service area may request to become a Customer of the District pursuant to Section 3.4 of this Provision.

**2.10 Account Set-Up Fee.** Each account, which requires that a monthly bill be sent, will be considered as a new account and will be charged an account set-up fee as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

**2.11 Access to Property.** By applying for or receiving Water Service from the District, each Customer irrevocably licenses the District and its authorized employees and representatives to enter upon the Customer's property at reasonable times for the purpose of reading, inspecting, testing, checking, repairing, maintaining, or replacing the District's meters and other facilities. The District may terminate Water Service without notice to any customer who refuses to permit the District and its authorized employees and representatives to enter upon the Customer's property in violation of this Section.

### **SECTION 3 BILLS FOR WATER SERVICE**

**3.1 Monthly Fixed Charge.** Billing for Water Service includes a monthly fixed charge that funds maintenance, operations and other expenses to the District necessary to maintain the Public Water System. It also covers the delivery of water to the public fire hydrants. The monthly fixed charge, as set forth in the Districts most current Water Rate Study, is due regardless of whether any water is actually used. Customers whose service has been discontinued in accordance with section 4.2, or who have requested that their service be discontinued in accordance with section 4.13, will not be assessed the monthly fixed charge for months subsequent to discontinuance.

**3.2 Monthly Consumption Charge.** Billing for Water Service includes a monthly consumption charge that funds expenses to the District necessary for the production, treatment and distribution of water to Customers. The monthly consumption charge, as set forth in the Districts most current Water Rate Study, is assessed for each one-hundred cubic feet (CCF) of water actually consumed.

**3.3 Billing Periods.** Bills for general Water Service will be rendered monthly at the option of the District. Bills for special Water Service may be rendered monthly or at any lesser frequency, which the District may choose. Meters will be read at approximately equal intervals as specified in Section 6.4, with meter reading frequency the same as billing frequency. Special meter readings will be made for opening or closing billing purposes.

**3.4 Billing of Non-Owner-Occupied Residences.** California Government Code § 54347 authorizes public agencies to collect charges from property owners for services to tenants on those properties. Therefore, with the property owner's permission, which would require a notarized Landlord Consent to Tenant Billing application, the District will bill tenants directly for Water Service, but the final responsibility for those charges lies with the property owner. Should the tenant fail to pay, the property owner will be held liable. The District shall not share any account information with tenant, other than the outstanding balance, in the absence of the completed and notarized Landlord Consent to Tenant Billing application.

**3.5 Billing of Separate Meters.** Each meter on a Customer's Premises shall be billed separately and the readings of two (2) or more meters will not be combined unless the District shall, for operating convenience or necessity, install two (2) or more meters in place of one (1).

**3.6 Back Billing.** If a Customer uses water for which no bills have been issued, the District shall determine an average bill using the billings for the previous 12 consecutive months prior to no bills being issued. This amount, not to be less than the fixed cost if no billing history is available, will be billed to the Customer based on the number of months the Customer has been occupying or in possession of the Premises without paying bills.

**3.7 Refunds.** If a Customer is erroneously overcharged for services, the District may refund charges paid by the Customer in excess of the amount that should have been paid for over a period as much as the past three (3) years that the Customer was overcharged.

**3.8 Opening and Closing Bills.** If the total period of service is less than 30 days, a prorated charge of the fixed and consumptive cost for the actual use shall be applied to the account.

**3.9 Payment.** Acceptable forms of payment are cash, check, money order, credit card and automated clearing house (ACH). Payments can be made in person at the District Office or placed in the drop box located outside the District Office. Payments can also be mailed to the District post office box or such other places as designated by the District.

**3.10 Delinquent Accounts.** Bills for Water Service are generally billed at the beginning of the month and are due upon receipt. Accounts become delinquent if bills are not paid on or before the due date as listed on the bill. Delinquent accounts will receive a Notice of Pending Service Interruption, commonly referred to as a door tag, ten (10) days before scheduled shut off, at which time a door tag fee, in the amount as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits, will be applied to the account.

**3.11 Delinquency Shut-Off.** When Water Service is discontinued because of delinquency in payment of a bill, the Water Service shall not be restored until the Customer has paid the amounts as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

**3.12 Unauthorized Turn On.** If, after a Water Service is discontinued for delinquency in payment, Water Service is resumed without authorization, the meter may be removed, and a violation fine equal to the amount as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits, will be assessed. This charge is in addition to all other charges.

**3.13 Disputed Charges.** In case of dispute as to payment of a bill previously delivered, the Customer shall present the receipted bill, canceled check or other satisfactory evidence of payment before the District may make an adjustment or correction.

When a Customer disputes the amount of a bill for any reason, the Customer should contact the District Office. If the bill is disputed, to avoid discontinuance of Water Service, the Customer must deposit at the District Office, before the disconnect date, the full amount of the disputed bill with a letter setting forth the basis for the dispute and requesting a review by the Finance Manager or

General Manager. The Finance Manager's or General Manager's findings and decisions will be final and binding. If the Customer's complaint concerns the meter, he or she may request that his or her meter be tested pursuant to the Testing of Meters and Fire Flow provisions of the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

**3.14 Disputed Debts.** Per the State of California Commercial Code 3311(c)(1), communications concerning disputed debts, including an instrument tendered as full satisfaction of a debt, are to be sent to the attention of the Finance Manager at the District Office. The Finance Manager will review the communication and make a determination as to the satisfaction of the instrument tendered as full payment. All decisions made by the Finance Manager regarding disputed debts are final and binding.

**3.15 Inspection at the Request of Customer.** The District may make an inspection of a Customer's meter upon the request of the Customer in accordance with the Meter Re-Read costs and provisions as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

#### **SECTION 4. DISCONTINUANCE AND RESTORATION OF SERVICE**

##### **4.1 Form of Notice of Termination; Time and Method of Giving Notice; Form of Termination Order.**

1. In the event of nonpayment of a delinquent account, the District shall first give notice to the Customer of the delinquency and impending termination at least ten (10) days prior to the date of the proposed termination by means of a notice to be placed on the Customer's Premise in a conspicuous place, such notice to comply with the requirements of subsection (3) hereof. The ten (10) day notice period shall not commence until the delivery and placement of the Notice of Pending Service Interruption, commonly referred to as a door tag, on Customer's Premise.
2. When a bill becomes delinquent, a Notice of Pending Service Interruption will be placed on the Customer's Premises and a door tag fee in the amount set forth by the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits will be added to the Customer's account.
3. The Notice of Pending Service Interruption pursuant to subparagraph (2) shall include the following:
  - a. Name and address of the delinquent Customer;
  - b. The amount of delinquency;
  - c. The date by which payment or arrangements for payment is required to avoid termination;
  - d. The telephone number of a representative of the District who can provide additional information or institute arrangements for payment.

##### **4.2 Termination and Restoration of Services.**

1. If the account remains delinquent after the due date listed on the Notice of Pending Service Interruption, a late payment penalty, as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits, will be added to the Customer's account and the District shall commence termination of Water Service to the property on the shut-off date as stated on the notice.
2. When Water Service is discontinued because of delinquency in payment of a bill, the service shall not be restored until the door tag fee, late payment penalty and delinquent balance are paid in full.
3. The District shall not, by reason of delinquency in payment for Water Service, cause cessation of service on any Saturday, Sunday, legal holiday, or any time when the District's business office is not open to the public.
4. Cessation of Water Service shall not commence prior to 7:30 a.m.
5. Restoration of Water Service is only available during work hours from 7:30 a.m. to 5:00 p.m. Monday through Thursday and 7:30 a.m. to 4:00 p.m. every alternate Friday. Operations staff is not authorized to accept payment at any time, or to restore service until satisfactory arrangements have been made with the billing department of the District.
6. No termination of Water Service may be affected without compliance with Sections 4.1 and 4.2, and any Water Service wrongfully terminated shall be restored without charge for the restoration of Water Service.

**4.3 Termination of Service to Multi-family Residential Structures or Mobile Home Parks as to Residential Units on a Master Meter.** Water Service provided through a master meter, through individually metered services in a multi-family residential structure or mobile home park when the owner or manager is listed by the District as the Customer, shall not be discontinued until the District has made a good faith effort to inform the actual users of the Water Service that the account is in arrears, and that Water Service will be terminated in no less than ten (10) days. The means by which the District informs such users shall be by notice delivered to or posted at the place of residence of the users in a conspicuous location, prominently displayed. The notice shall also inform such users that they have the right to become Customers of the District without being required to pay the amount due on the delinquent account.

The District is not required to make Water Service available to the actual users unless each actual user agrees to the terms and conditions of Water Service as set forth in this Ordinance, and meets the requirements hereof. However, if one (1) or more actual users are willing and able to assume responsibility for the entire account to the satisfaction of the District, or if there is a physical means, legally available to the District, of selectively terminating Water Service to those actual users who have not met the requirements of this Ordinance, the District shall make Water Service available to the actual users who have met those requirements.

The District may require the establishment of credit of an actual user prior to establishing Water Service, including obtaining evidence of prompt payment of rent at actual users place of residence for a period of time equal to the time required for the establishment of credit for other District Customers.

**4.4 Termination of Service to Single-family Residential Structures Occupied by Lessee.** Water Service provided through individually metered services in a single-family residential structure when the owner or manager is listed by the District as the Customer and the Premise is occupied by a lessee, shall not be discontinued until such time as the District has followed the procedures set forth below:

1. The District shall make a good faith effort to inform the actual users of the Water Service that the account is in arrears, and that Water Service will be terminated in no less than ten (10) days. The means by which the District informs such users shall be by notice delivered to or posted at the place of residence of the users in a conspicuous location, prominently displayed. The notice shall also inform such users that they have the right to become Customers of the District without being required to pay the amount due on the delinquent account; and
2. The property owner has authorized the District to bill the lessee directly for Water Service by completing and having notarized a Landlord Consent to Tenant Billing application, as set forth in section 3.4. This shall be treated as a request for new Water Service, and shall require all such deposits and payments as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits. Should the lessee fail to pay any charges, the property owner will be held liable.

**4.5 Conditions and Restrictions on Termination of Water Service.** The District shall not terminate Water Service for non-payment of a delinquent account unless it first gives notice of delinquency and pending termination in the manner provided for in Section 4.1. The District will not terminate Water Service for non-payment of bills for Water Service in any of the following situations:

1. During the pendency of an investigation by the District of a Customer dispute or complaint; or
2. When a Customer has been granted an extension of the period for payment of a bill; or
3. When the Customer/facility has been identified as a Critical Facility, defined as hospitals, fire stations, police stations or storage of critical records; or
4. On the certification of a licensed physician or surgeon that termination of Water Service will be life threatening to the Customer or to a person living in the residence of the Customer on a permanent basis and the Customer is financially unable to pay for service within the normal payment period and is willing to enter into an amortization agreement with the District, pursuant to Public Utility Code § 16482(e), by the terms of which the Customer will be permitted to amortize, over a period of not to exceed 12 months, the

unpaid balance of any bill asserted to be beyond the means of the Customer to pay within the normal period for payment.

**4.6 Payment Arrangements.** The District may allow, at its discretion, payment arrangements, not to exceed a 12-month term and may set the parameters of that payment arrangement for Customers with a delinquent account. Payment arrangement must be signed by Customers and can be made at the District office during normal operating hours.

**4.7 Noncompliance with Payment Arrangements.** For a period of 12 months, commencing on the date the first payment arrangement is entered into, Customers who have agreed to but fail to comply with set payment arrangements will not be eligible to establish future payment arrangements based on the provision below:

1. 1<sup>st</sup> broken arrangement – no payment arrangements for 90 days
2. 2<sup>nd</sup> broken arrangement – no payment arrangements for 180 days
3. 3<sup>rd</sup> broken arrangement – no payment arrangements for 12 months

**4.8 Customer Complaints.** Any Customer who has initiated a complaint or requested an investigation within five (5) days of receiving the disputed bill, or who has, within nine (9) days of the receipt of the notice described in Section 4.1 hereof, made a request for extension of the payment period of a bill asserted to be beyond the means of the Customer to pay in full during the normal period of payment, shall be given an opportunity for review of the complaint, investigation or request by the General Manager. The review shall include consideration of whether the Customer shall be permitted to amortize the unpaid balance of the account over a reasonable period of time, not to exceed 12 months. No termination of Water Service shall be affected for any Customer complying with a payment arrangement, if the Customer also keeps the account current as charges accrue in each subsequent billing period. Any Customer whose complaint or request for an investigation has resulted in an adverse determination by the General Manager may appeal such determination by written appeal to the Board.

**4.9 Discontinuance of Water Service of Any Type as a Result of Tampering, Misuse of the Public Water System, or Obtaining Service through Fraudulent Means: Restoration of Service.** Water Service of any type may be discontinued without notice to any Premises where evidence of tampering, misuse of the Public Water System, or obtaining water through fraudulent means is found and where apparatus, appliances, or conditions are, in the opinion of the General Manager or public health agencies, found to be dangerous or injurious to the Customer or others. Such Water Service that has been discontinued may be restored upon correction, to the satisfaction of the General Manager, of the condition causing discontinuance of Water Service, and upon compliance with all terms and conditions and payment of all applicable costs as set forth by the Districts most current Ordinance Prohibiting the Theft of Water and Tampering with District Facilities.

**4.10 Enforcement of Lien.** When a Customer's water bill becomes delinquent and/or when the District terminates Water Service as provided in Section 4.2 above, or when the District has determined that the recovery of the amount due may be uncertain due to abandonment of a premise and/or Water Service connection, then the District shall cause to be filed with the Sacramento

County Recorder's Office a Notice of Lien, setting forth the legal description of the property, the amount of the obligation owed, specifying that the same is owed to the District, and that all delinquent service charges, together with late fees, penalties and interest, are a lien against the premise to which the service was provided.

**4.11 Release of Lien.** A Notice of Lien, filed with the Sacramento County Recorder's Office, shall be released only after all past due obligations have been paid to the District. Once all past due balances have been settled with the District, the District will submit a Release of Lien to the Sacramento County Recorder's Office, with any associated filing fees to be paid for by the Customer.

**4.12 Abatement.** During the period in which Water Service is discontinued, the dwelling shall be considered substandard and uninhabitable and habitation of the Premise by human beings or continued operations of any commercial or industrial facility shall constitute a public health threat. The District shall notify the City of Elk Grove of any service that remains discontinued after three (3) days of the shut-off date.

**4.13 Discontinuance of Water Service of any Type at the Request of the Customer: Restoration of Service.** Water Service of any type may be discontinued at the request of the Customer in writing. The effective date shall be the date Water Service is actually discontinued and shall not be more than three (3) business days after receipt by the District of the Customer's request for discontinuance. Restoration of such Water Service shall be treated as a request for a new service, and shall require all such deposits and payments as set forth in the Districts most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

## **SECTION 5. SPECIAL WATER SERVICE AND PUBLIC FIRE HYDRANTS**

**5.1 Temporary Water Service.** Requests for temporary Water Service may be made in writing to the General Manager of the District. If, in the opinion of the General Manager, the Water Service will not result in any undue hardship to existing Customers, and the Water Service is feasible to construct, temporary service will be granted after the requestor has:

1. Advanced to the District the estimated net cost of installing the facilities necessary to furnish the temporary Water Service; and
2. Deposited a sum of money equal to the estimated bill when the duration of Water Service is to be for a period of one (1) month or less, subject to adjustment and refund or repayment in accordance with the actual bill due upon discontinuance of Water Service; or
3. Established credit in the same manner as is prescribed for general Water Service when the duration of Water Service is to exceed one (1) month.

Adjustment of any difference between the estimated net cost advanced and the actual cost of installing and removing the facilities necessary to furnish the temporary Water Service will be made within ten (10) days after the District has ascertained such actual cost.

Rates and charges for temporary Water Service shall be the same as those prescribed in the District's current Ordinance governing Water Rates. For example, if the temporary Water service is for Residential Water Service, the rates and charges for temporary Water Service shall be the same as the rates and charges for Residential Water Service. If the temporary Water Service is for Non-Residential Water Service, or Irrigation Water Service, or Fire Protection Service, the rates and charges for temporary Water Service shall be the same as the rates and charges for Non-Residential Water Service, Irrigation Water Service or Fire Protection Service respectively. The provisions for temporary Water Service shall be the same as those prescribed for general Water Service.

**5.2 Construction Water.** The District shall permit authorized applicants to take water for construction use from designated public fire hydrants in accordance with the requirements set forth below.

1. Applicants wishing to use District water for construction purposes shall complete a Construction Water Permit. A Construction Water Permit may be obtained from the District Office. Payment details and terms and conditions for Construction Water are identified on the Construction Water Permit.
2. The Construction Water Permit shall identify the designated hydrant(s) from which to obtain Construction Water.
3. Construction Water obtained from the District shall be metered and the Public Water System protected against potential backflow. The District shall be responsible for installing a water meter and an approved backflow prevention device on the designated hydrant(s).
4. Prior to Construction Water being taken, the District shall document the initial meter reading and the meter serial number. At the closing of the Construction Water Permit, the District shall document the final meter reading.
5. The applicant of the Construction Water Permit shall be billed based on the total consumption of water as determined between the initial and final meter readings.
6. The rates and charges for Construction Water shall be set forth in the most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.
7. The provisions set forth in the District's most current Ordinance prohibiting the Theft of Water and Tampering with District Facilities shall be in full force for the taking of Construction Water.

In the event that there is an order by the Board or the State of California restricting water usage, the District reserves the right to disallow Construction Water usage until such restrictions are lifted.

**5.3 Public Fire Hydrants.** Public fire hydrants are part of the Public Water System, and are the property of the District. Except for the provision governing Construction Water defined in Section 5.2, only the District and the Fire Department are permitted to operate public fire hydrants. Tampering with any public fire hydrant for the unauthorized use of water, or any other reason, is



a misdemeanor as provided by California Penal Code § 148.4 and 498, and the provisions set forth in the District's most current Ordinance prohibiting the Theft of Water and Tampering with District Facilities shall be in full force.

**5.4 Private Fire Hydrants.** The District serves private fire protection water mains through points of connection to the Public Water System. Fire hydrants located on private fire protection water mains are private fire hydrants and are not the responsibility of the District.

## **SECTION 6. METER INSTALLATION AND METERING**

**6.1 Meter Sizing, Location, and Maintenance.** All meters shall be provided and installed by the District. The Customer may request the size and layout of metering installation, subject to the General Manager's approval. The standard minimum size meter is one (1) inch, which will normally be used for single-family residences. Separate multi-family residential structures shall be served with separate meters; however, exceptions may be permitted where approved by the General Manager.

Wherever possible, meters will be located in the public right-of-way adjacent to the boundary of the Premises being served. Where this is not feasible, the meter will be located within the parcel being served with approval by the General Manager and a water easement granted which provides for uninterrupted access, 24 hours per day, seven (7) days per week, 365 days per year. The Customer shall, as a condition of service, keep the metering installation uncovered and reasonably accessible for reading and maintenance. It is the responsibility of the Customer to keep the meter free from vandalism, damage or unauthorized use or tampering. For any damage to the Public Water System property or violating any of the provisions of this Ordinance, the Customer shall become liable to the District for any expense, loss or damage occasioned by reason of such damage or such violation.

**6.2 Change of Meter Size.** A Customer receiving Water Service may request a change of meter size. If the request for the meter change is granted by the General Manager, the change will be made at the Customer's expense based on the incremental cost difference for meter connection sizes as set forth in the District's most current Connection Fee Study, and subject to installation in accordance with the District Standard Construction Specifications.

**6.3 Change of Meter Location.** When a Customer requests relocation of an existing meter or service connection for the Customer's convenience, the relocation is at the Customer's expense and shall be subject to approval by the General Manager. Relocation and installation of the meter shall be in accordance with the District Standard Construction Specifications and this Ordinance.

**6.4 Meter Reading.** Meters will be read at regular intervals for preparation of monthly bills and as needed for opening or closing accounts, or any special bills. Normal reading intervals will be not less than 28 days or more than 32 days, unless other circumstances prevent meter reading in that time frame. All meter readings will be recorded in units of CCF.

**6.5 Meter Testing.** Meters will be tested by the District upon request of the Customer and payment of a fee, as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits. Meters will be removed for testing within ten (10) working days after receipt

of request, and payment of the testing fee. In the event it is determined that the meter was over-reading (reading greater than the actual quantity of water consumed), the testing fee shall be refunded to the Customer. No portion of the fee shall be refunded in the event it is determined that the meter was reading accurately or under-reading.

**6.6 Erroneous Meter.** If the District finds a meter to be faulty, the Customer shall be charged at minimum, the fixed charge and any water consumption registered during that time. If there is no registered water consumption, the Customer shall be charged only the fixed charge and the faulty meter will be changed out.

**6.7 Electrical Discontinuity.** No electric circuit shall be grounded to the District's facilities or to any plumbing or metal in contiguity therewith. For any damage to the Public Water System property or violating any of the provisions of this Ordinance, the Customer shall become liable to the District for any expense, loss or damage occasioned by reason of such damage or such violation.

## **SECTION 7. PUBLIC WATER SYSTEM CONSTRUCTION**

**7.1 Supervision.** All construction work performed on the Public Water System shall be the responsibility of the District, and under the general supervision of the General Manager.

**7.2 Standard Construction Specifications.** The General Manager shall cause the preparation of appropriate Standard Construction Specifications to govern construction improvements to the Public Water System. All construction improvements to the Public Water System shall comply with the Standard Construction Specifications. Any changes to the Standard Construction Specifications shall be approved by the Board.

**7.3 Plan Check.** The District shall check all plans for construction improvements to the Public Water System in accordance with the Standard Construction Specifications described in Section 7.2. Prior to the commencement of plan checks, the District shall be in receipt of the Plan Check Fees as set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits.

**7.4 Inspection and Approval: Payment of Inspection Fees.** The General Manager shall provide for the adequate inspection and control of construction work performed on the Public Water System. Construction improvements to the Public Water System must comply with the District's Standard Construction Specifications, and meet all applicable local, state and federal regulations. All inspections shall be performed only after receipt of inspection fees included as part of the Plan Check Fees set forth in the District's most current Water Ordinance – Schedule of Charges, Rates, Fees and Deposits. For construction improvements to be accepted by the District, the General Manager shall give written approval and acceptance of the work.

## **SECTION 8. ANNEXATION FOR WATER SERVICE.**

**8.1 Conditions of Annexation.** When, for the purpose of receiving Water Service from the District, the owner of property located adjacent to, but outside the District, desires the annexation of that property into the District, that person shall submit a letter of request to initiate the annexation

action. That letter shall state the reason for requesting annexation. It shall include the legal description of the property and shall be signed by the legal owner of the property. Such a letter, when received by the District, will be placed on the agenda as an action item for the Board. If the request is approved, the District will initiate a response letter to the owner setting forth step-by-step the procedures required to complete the annexation. The required steps are as follows:

1. Feasibility Study - A feasibility study will be conducted by the District at the cost of the owner of the property to be annexed and is a requirement for every annexation unless the Board, by special action, approves a variance to the procedure. The feasibility study must be comprehensive enough to pinpoint any problems that might occur as a result of the annexation. It must specify the location, size, and length of any lines required to serve the area and it must provide the estimated cost of providing any required facilities.
2. Terms and Conditions - A set of terms and conditions will be prepared by the District using information from the feasibility study. These terms and conditions will set forth the actions required to provide adequate service in the areas being annexed and will state the amount of the fees to be paid by the owner of the property, either by acreage, parcel or frontage, when agreement has been reached on the terms and conditions for annexation. The fees may vary depending upon the nature of the development plan for the area being annexed and the cost of providing facilities for the area.
3. Conformance with the First Amended and Restated Master Water Agreement – The annexation of property must conform to all terms and conditions stated in the First Amended and Restated Master Water Agreement between Sacramento County Water Agency and the District, dated June 28, 2002.
4. Processing Through the Sacramento Local Agency Formation Commission (LAFCO) - When agreement on terms and conditions has been reached and the acreage fees are paid or arrangements for payment of acreage fees had been reached and included in terms and conditions, the attorney for the District prepares all other necessary documents for the submission to, and consideration of the annexation by LAFCO. This service is provided at the expense of the property owner.

Should a request for the annexation of a particular property be disapproved, a letter shall be sent to the property owner notifying him of the Board's action and setting forth the reason for disapproval.

## **SECTION 9. WATER CONSERVATION AND EFFICIENCY**

**9.1 General.** The water supply of the District is a limited resource subject to ever increasing demands. The District will institute demand management measures, those water conservation measures, programs and incentives that prevent the waste of water and promote the reasonable and efficient use of available water supply, when necessary to conserve water in times of high demand due to external or internal circumstances. External circumstances could include drought, while internal circumstances could include infrastructure or main line leaks, well repair or water quality/treatment concerns.

**9.2 Demand Management Measures and Water Waste Prohibitions.** Refer to the most recent Urban Water Management Plan (UWMP) to review the current demand management measures and water waste prohibitions. The UWMP is updated every 5 years; this plan describes and evaluates sources of supply, reasonable and practical efficient uses, and reclamation and demand management activities. The components of the UWMP are specific to local characteristics and its capabilities to efficiently use and conserve water. The plan addresses measures for residential, commercial, governmental, and industrial water demand management as set forth in California Water Code Article 2 (commencing with Section 10630) of Chapter 3. At all times the District encourages efficient use, described as the management measures that result in the most effective use of water so as to prevent its waste or unreasonable use/unreasonable method of use, and prohibits water waste.

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Mark J. Madison, General Manager  
SUBJECT: **OUTSIDE AGENCY MEETINGS REPORT**

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## **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 Outside Agency Meetings Report is a standing item on the regular board meeting agenda.

Staff and Florin Resource Conservation District (FRCD) Board of Directors (Board) members attended numerous outside agency meetings since the last regular Board meeting. This report is intended to inform the Board of any substantive content included in those meetings that potentially affects the Elk Grove Water District (EGWD).

## **DISCUSSION**

### **Background**

Per the Board's direction during the February 21, 2018 Board meeting, staff will report on the outside agency meetings that occurred since the previous Board meeting. This report has been designed to list the notable meetings attended, by either staff or Board members, and the report will be given orally by the staff or Board members in attendance.

### **Present Situation**

The notable outside agency meetings attended since April 17 were as follows:

4/24	SCGA Budget Subcommittee Meeting	(Kamilos)
4/26	ACWA State Legislative Committee Meeting	(Jones)
5/2	SB 998 Working Group Meeting	(Lee)
5/6-5/7	ACWA-JPIA 2019 Spring Conference	(Nelson, Madison)
5/7-5/9	ACWA 2019 Spring Conference	(Nelson, Madison, Kamilos, Jones)
5/14	RWEPAC Meeting (RWA)	(Jones)
5/15	4x4 Meeting with Cosumnes CSD	(Nelson, Mulberg, Madison, Kamilos)

**OUTSIDE AGENCY MEETINGS REPORT**

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Staff will orally present the major content items addressed in these meetings during the regular Board meeting.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

The District's Strategic Plan addresses responsible business practices and the importance of providing the community with safe drinking water. Specifically, the Plan recommends an ongoing goal of partnering with Regional Water Authority (RWA) and other regional organizations. Attendance at these meetings, and this monthly report, assists EGWD in maintaining sound business practices, delivering safe drinking water, and meeting all regulatory and legal requirements.

**FINANCIAL SUMMARY**

There is no financial impact associated with this report.

Respectfully submitted,



MARK J. MADISON  
GENERAL MANAGER

MJM/bk

May 15, 2019

TO: Chairperson and Directors of the Florin Resource Conservation District  
FROM: Sarah Jones, Program Manager  
SUBJECT: **LEGISLATIVE UPDATE**

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### **RECOMMENDATION**

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

### **SUMMARY**

Governor Newsom recently signed an executive order that directs the secretaries of the California Natural Resources Agency (CNRA), California Environmental Protection Agency (CalEPA) and the California Department of Food and Agriculture (CDFA) to identify and assess a suite of complementary actions to ensure safe and resilient water supplies, flood protection and healthy waterways for the state's communities, economy and environment.

The Legislative Analyst's Office prepared a report for the Assembly Water, Parks, and Wildlife Committee titled *Funding Water-Related Activities*. The report analyzes existing funding, recent bond funding, legislative options to increase funding, and important considerations around those funding options.

Several bills are discussed which may impact Elk Grove Water District (EGWD) including Senate Bill (SB) 669, Assembly Bill (AB) 217, SB 414, AB 1204, and AB 576. In addition several important legislative deadlines are discussed.

### **DISCUSSION**

#### **Background**

The Florin Resource Conservation District (FRCD) Board of Directors (Board) is periodically updated on legislative and regulatory issues.

#### **Present Situation**

Governor Newsom signed Executive Order (Order) N-10-19 on April 29, 2019 that directs state agencies to collaborate on developing a water plan that identifies priorities for

**LEGISLATIVE UPDATE**

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building a water resilient portfolio and creating a water system that will meet the water needs of California's communities, economy, and the environment into the future.

The plan will include assessments of existing demands and supplies, current water quality conditions of groundwater and surface waters, projected future water needs, climate change impacts, contaminated drinking water, and existing water programs and policies. The Order has been well received in the water community by environmental organizations and water agencies such as Association of California Water Agencies (ACWA). A website has been launched at <http://resources.ca.gov/initiatives/water-resilience/> to track progress and collect public input.

The Legislative Analyst's Office prepared a report for the Assembly Water, Parks, and Wildlife Committee titled *Funding Water-Related Activities* (Attachment). The report analyzes existing funding, recent bond funding, legislative options to increase funding, and important considerations around those funding options. The report indicates the majority (85%) of water-related funding in the state is generated at the local level, while 12% is generated at the state level and 3% at the federal level. This report is a tool for legislators in considering funding mechanisms to address safe and affordable drinking water issues in the state.

**SB 669 (Caballero) Safe Drinking Water Trust.** The bill passed the Senate Governmental Organization Committee (15-0) and the Senate Appropriations Committee (7-0). The bill will be taken up again in the Senate Appropriations Committee May 17, 2019. ACWA and the California Municipal Utilities Association (CMUA) are sponsoring the bill which would help community water systems in disadvantaged communities provide access to safe drinking water. SB 669 would create The Safe Drinking Water Trust to be funded with an infusion of General Fund dollars during a budget surplus year. The state would invest the principal, and the net income would provide the needed ongoing revenue stream for drinking water solutions in disadvantaged communities. This is a better approach than a statewide water tax that would tax a resource that is essential to life and work against water affordability throughout the state.

**AB 217 (Garcia) Safe Drinking Water for All Act.** This bill would enact the Safe Drinking Water for All Act and would establish the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are available, upon appropriation by the Legislature, continuously appropriated to the Board to provide a stable source of funding to secure access to safe drinking water for all Californians, while also ensuring the long-term sustainability of drinking water service and infrastructure. ACWA's and Regional Water Authority's (RWA) position on this bill is "oppose unless amended," because it includes a water tax. The March 28, 2019 amendments were



**LEGISLATIVE UPDATE**

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suggestions from the Assembly Environmental Safety and Toxic Materials Committee. These amendments improved the bill because community water systems would no longer need to hire staff to implement the tax. However, AB 217 still proposes a water tax. The latest proposal for a Safe and Affordable Drinking Water “Fee” is still a tax under the California Constitution. Each public water system would send a check to the State Water Resources Control Board (SWRCB) for the system’s tax based on its number of connections.

If passed, the water tax in AB 217 would be the precedent for a state water tax in California. For other programs, the SWRCB staff and other state agency staff have expressed interest in (and floated documents regarding) a water tax as a mechanism funding (e.g., for the AB 401 low-income water rate assistance program). For these reasons, ACWA sent an opposition letter to the Assembly Appropriations Committee.

**SB 414 (Caballero) Small System Water Authority Act of 2019.** This bill would create the Small System Water Authority Act of 2019 and state legislative findings and declarations relating to authorizing the creation of small system water authorities that will have powers to absorb, improve, and competently operate noncompliant public water systems. On April 22, 2019 the Senate Appropriations Committee placed the bill in the suspense file. The suspense file is a holding placing for bills with significant fiscal impacts. Bills are generally held on the suspense file before each fiscal deadline so that each House can evaluate the total impacts to the state. Bills which are moved out of suspense then go to the floor while bills held in suspense die.

**AB 1204 (Rubio): Public water systems: primary drinking water standards: implementation date.** This is an ACWA sponsored bill that would provide for a three (3) year compliance timeline for new maximum contaminant level (MCL) standards with the possibility for an additional two (2)-year extension. This is an ACWA sponsored bill. This bill has been designated as a 2-year bill and will not be taken up this year.

**AB 756 (Garcia) Public Water Systems: Contaminants.** This bill would require public water systems (PWS) to monitor perfluoroalkyl and polyfluoroalkyl substances (PFOS/PFOA). The language of the bill has been amended and was re-referred to the Appropriations Committee on April 25, 2019. The concerning language requiring water agency notifications has been removed.

**Assembly Bill 1184 (Gloria): Requirement to maintain emails for two years.** This bill would require all public agencies, including special districts, to maintain all emails related to the business of the agencies for a minimum of two (2) years. Unlike all other record retention requirements in current law, AB 1184 places new retention requirements directly

**LEGISLATIVE UPDATE**

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into the California Public Records Act (CPRA), purposely circumventing the reimbursement process and placing the costs of this unfunded mandate squarely on local agencies. This bill does not require any new disclosures or provide any new exemptions to CPRA, it is simply a data storage requirement that will result in increased costs on agencies for purchasing servers to store the emails. The California Special Districts Association is opposed to this bill.

Upcoming legislative deadlines include:

- May 17- Last day for fiscal committees to hear and report to the Floor bills introduced in their house. Last day for fiscal committees to meet prior to June 3.
- May 28-31-Floor Session Only. No committees, other than conference or Rules committees, may meet for any purpose
- May 31- Last day for bills to be passed out of the house of origin.
- Jun. 3- Committee meetings may resume.
- Jun. 15- Budget Bill must be passed by midnight.

**ENVIRONMENTAL CONSIDERATIONS**

There are no direct environmental considerations associated with this report.

**STRATEGIC PLAN CONFORMITY**

Tracking active legislation complies with EGWD's Regulatory Compliance goals of the 2012-2017 Strategic Plan.

**FINANCIAL SUMMARY**

There is no direct financial impact associated with this report.

Respectfully submitted,



SARAH JONES  
PROGRAM MANAGER

Attachment

APRIL 30, 2019

# Funding Water-Related Activities

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PRESENTED TO:

Assembly Water, Parks, and Wildlife Committee  
Hon. Eduardo Garcia, Chair



LEGISLATIVE ANALYST'S OFFICE

## Existing Funding for Water-Related Activities

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***Most Water-Related Funding Generated at Local Level.*** According to the Public Policy Institute of California (PPIC), cumulative spending on water-related projects and activities is about \$33 billion annually. Of this, about \$28 billion, or 85 percent of the statewide total, is from local sources.

- Typical local funding sources include (1) fees for water and sewer services, (2) property taxes and assessments, (3) developer fees, (4) other local tax and fee revenues dedicated to water-related activities, and (5) local government general fund.

***State and Federal Governments Also Provide Some Funding.*** PPIC estimates that annual spending is about \$4 billion from state sources (12 percent of total) and \$1 billion from federal sources (3 percent of total). This includes state-level expenditures and local assistance grants from state and federal sources.

- Most state expenditures are from—or for paying back—general obligation (GO) bonds.



## Recent Bond Funding for Natural Resources

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### Natural Resources General Obligation Bonds Approved by Voters Since 2000

*(Dollars in Millions)*

Proposition	Date	Primary Purposes	Amount <sup>a</sup>
12	March 2000	Parks and habitat protection	\$2,100
13	March 2000	Water supply and flood protection	1,884
40	March 2002	Habitat protection, water quality, and parks	2,597
50	November 2002	Coastal protection, Delta, water supply and quality	3,345
1E	November 2006	Flood protection	3,990
84	November 2006	Water quality, habitat protection, flood protection, and parks	5,266
1	November 2014	Water supply, habitat protection, and water quality	7,465
68	June 2018	Habitat protection, parks, and flood protection	4,100
<b>Total</b>			<b>\$30,747</b>

<sup>a</sup> Reflects amounts authorized by voters as adjusted by Proposition 1 and Proposition 68.

### ***\$31 Billion in General Obligation Bonds Approved in Prior Two Decades.***

Since 2000, voters have approved about \$31 billion in GO bonds in statewide elections to pay for different types of water, natural resources, and environmental protection-related projects.

### ***GO Bond Debt Service Is a Large General Fund Expense in the***

***Resources Area.*** In general, the state pays more in the long run when it relies on bond debt because of the added interest costs. For each \$1 borrowed, the state generally pays about \$1.30 in debt service (when adjusted for inflation). The Governor's 2019-20 budget includes roughly \$1 billion from the General Fund to repay resources-related GO bond debt.



## Recent Bond Funding for Water

<b>Recent Bond Funding for Water-Related Activities</b>		
<i>(In Millions)</i>		
	<b>Proposition 1 (2014)</b>	<b>Proposition 68 (2018)</b>
Water storage	\$2,700	—
Watershed and ecosystem protection and restoration	1,496	\$1,497
Sustainable groundwater management	900	400
Water recycling and desalination	645	80
Drinking water quality	520	220
Integrated Regional Water Management	510	—
Flood management	395	460
Stormwater management	200	100
Water use efficiency	100	20
<b>Totals</b>	<b>\$7,465</b>	<b>\$2,777</b>

***Two Most Recent Bonds Included Total of Over \$10 Billion for Water-Related Activities.*** Proposition 1 and Proposition 68 provided funding for several categories of activities.

***Most Funding Has Been Committed or Appropriated for Projects.*** Almost 90 percent of Proposition 1 funding has been appropriated, with most of that committed to specific projects. If the Governor’s 2019-20 proposed budget is approved, over half of Proposition 68 funds will have been appropriated in the first two fiscal years since its passage.

***Bonds Typically Used for Larger Projects That Provide Long-Term Benefits.*** Bonds typically fund larger infrastructure projects. Since infrastructure typically provides services over many years, it is reasonable for both current and future taxpayers to help pay for it. Additionally, the large costs of major projects can be difficult to pay for all at once. Bond funds are not typically used for ongoing activities like operations and maintenance.



# Key Legislative Options to Increase Funding for Water-Related Activities

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Despite existing funding from local sources and state GO bonds, the state and local agencies face increasing costs and funding challenges for water-related activities. The Legislature has considered various options for increasing such funding, including from:

## State-Level Funding Sources

The Legislature could pursue options to generate new state-level revenues, including:

- **Regulatory Fee.** Impose fee on pollutants (for example, on fertilizer) specifically to cover state costs associated with addressing environmental damage caused by those pollutants.
- **Polluter Charge.** Impose charge based on potential contaminant, such as chemicals (for example, on pesticides).
- **Water Use Tax.** Impose tax on consumers, for example based on amount of water used. Revenues could be allocated by state or maintained at local level where generated.
- **Broad Special Tax.** Impose tax, such as new sales tax increment, to be dedicated for specific water-related activities.
- **General Fund.** Increase existing spending levels, potentially including new GO bond.

## Local-Level Funding Sources

The Legislature could pursue options that would provide local agencies the authority to potentially generate new local-level revenues, including:

- **Water-Related Fees.** Amend State Constitution to modify approval process for fees for certain activities (such as stormwater or flood protection).
- **Differential Water Rates.** Amend State Constitution to modify cost-of-service requirements and allow agencies to charge different rates for different types of water users.



# Important Considerations Around Water Funding Options

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Determining how to fund various water-related activities can depend on many factors. Key questions in considering the most appropriate funding option—such as state-level funds, locally generated revenues, or a mix of funding sources—include:

## Problem and Activities

- What is the cause of the problem to be addressed? Who are the responsible parties?
- What types of activities or projects would address the problem?

## Beneficiaries

- How broadly would benefits of activities accrue (at the state, regional, or local level)?
- Would activities result in broad public benefits or more limited regional or private benefits?

## Nexus Between Activities and Funding Sources

- What entities would pay and at what rates?
- How closely linked are the sources of new funding with the activities the funds would support? How closely aligned are the potential payers with the responsible parties or potential beneficiaries?

## Revenues

- How much revenue is needed to support intended activities?
- How stable or variable would annual revenues be?





# Important Considerations Around Water Funding Options

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*(Continued)*

## **Enactment and Implementation**

- Which entities (for example, the Legislature, voters, or ratepayers) would have to approve the new option? What are the vote requirements for passage?
- What data would be necessary for implementation (for example, water use data or impacts of particular contaminants)? Are such data currently available? How complicated would the option be to implement?
- How much latitude would exist over how funds could be used? Would funds be limited to certain types of activities?
- How will the Legislature and public be able to monitor and assess effective implementation of the new funding option? What oversight and evaluation opportunities will be available?

