

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

Wednesday, June 21, 2017

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.

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, Board Secretary and Jim Malberg, Treasurer)
- a. Minutes of Regular Board Meeting of May 17, 2017
 - b. Minutes of Special Meeting of May 24, 2017
 - c. FRCD Cash Flow Worksheet – May, 2017
 - d. Warrants Paid – May, 2017
 - e. Active Accounts – May, 2017
 - f. Bond Covenant Status for FY 2016-17 – May, 2017
 - g. Revenues and Expenses – Actual vs Budget FY 2016-17 – May, 2017
 - h. Cash Accounts – May, 2017
 - i. Consultants Expenses – May, 2017
 - j. Major Capital Improvement Projects – May, 2017

Associate Director Comment

Public Comment

Recommended Action: Approve FRCD Consent Calendar

3. Florin Resource Conservation District Associate Director Appointments
(Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action: Consider the appointments of Shahid Chaudhry and Kenneth Strom as Associate Directors to the Florin Resource Conservation District Board of Directors

4. Committee Meetings (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

5. Florin Resource Conservation District Conservation Activities Report
(Sarah Jones, Program Manager)

Associate Director Comment

Public Comment

6. Water Usage and Conservation Report (Sarah Jones, Program Manager)

Associate Director Comment

Public Comment

7. Elk Grove Water District Operations Report – May 2017
(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

8. Florin Resource Conservation District Fiscal Year 2017-18 Budget
(Jim Malberg, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

Recommended Action: Adopt Resolution No. 06.21.17.01 approving the Florin Resource Conservation District Fiscal Year 2017-18 Budget

9. [Elk Grove Water District Fiscal Year 2018-22 Capital Improvement Program](#)

(Bruce Kamilos, Associate Civil Engineer)

Associate Director Comment

Public Comment

Recommended Action: Adopt Resolution 06.21.17.02 approving the Elk Grove Water District Fiscal Year 2018-22 Capital Improvement Program and approving an appropriation of \$1,506,000 from designated reserve funds to the Fiscal Year 2017-18 Capital Improvement Program budget

10. [Elk Grove Water District Fiscal Year 2017-18 Operating Budget](#)

(Jim Malberg, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

Recommended Action: Adopt Resolution No. 06.21.17.03 approving the Elk Grove Water District Fiscal Year 2017-18 Operating Budget

11. [Investment Policy Guidelines Fiscal Year 2017-18](#)

(Jim Malberg, Finance Manager/Treasurer)

Associate Director Comment

Public Comment

Recommended Action: Adopt Resolution No. 06.21.17.04 approving the Fiscal Year 2017-18 Investment Policy Guidelines of the Florin Resource Conservation District

12. [Meeting Room and Information Technology Building Project – Rejection of Bids](#)

(Bruce Kamilos, Assistant General Manager)

Associate Director Comment

Public Comment

Recommended Action: Approve a motion rejecting all bids for the Meeting and Information Technology Building project and directing staff to rebid the project

13. [Association of California Water Agencies Region 4 Board Nominations for the 2018-2019 Term](#)

(Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

Recommended Action: Consider adopting Resolution No. 06.21.17.05 nominating a Director or General Manager as a member of the Association of California Water Agency Region 4 Board

14. [Legislative Update](#) (Sarah Jones, Program Manager)

Associate Director Comment

Public Comment

Recommended Action: Approve the submittal letter of support for the Association of California Water Agency Policy Statement in regards to the 2016 Bay-Delta Plan and Bay-Delta Flow Requirements

15. Directors Comments and Information

Adjourn to Regular Meeting – July 19, 2017.

June 21, 2017

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

RECOMMENDATION

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

Summary

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

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

DISCUSSION

Background

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

Present Situation

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

FINANCIAL SUMMARY

N/A

Respectfully Submitted,

 *Stefani Phillips and Jim Malberg*

STEFANI PHILLIPS, BOARD SECRETARY AND
JIM MALBERG, TREASURER

Attachments

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

Wednesday, May 17, 2017

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, Lisa Medina, Tom Nelson, Sophia Scherman, Jeanne Sabin
Directors Absent: None
Staff Present: Mark J. Madison, General Manager; Bruce Kamilos, Assistant General Manager; Stefani Phillips, Board Secretary; Jim Malberg, Finance Manager; Donella Murillo, Finance Manager; Sarah Jones, Program Manager
Associate Directors Present: None
General Counsel Present: None
Consultants Present: None

Public Comment

None

1. Proclamations and Announcements

None

2. Consent Calendar

- a. Minutes of the Special Board Meeting of April 15, 2017
- b. Minutes of the Regular Board Meeting of April 19, 2017
- c. Minutes of the Special Board Meeting of May 3, 2017
- d. FRCD Cash Flow Worksheet – April, 2017
- e. Warrants Paid – April, 2017
- f. Active Accounts – April, 2017
- g. Bond Covenant Status for FY 2016-17 – April, 2017
- h. Revenues and Expenses – Actual vs Budget FY 2016-17 – April, 2017
- i. Cash Accounts – April, 2017
- j. Consultants Expenses – April, 2017
- k. Major Capital Improvement Projects – April, 2017

Mark Madison, General Manager, commented on page 16 of the board packet, the following correction needs to be made:

Highlights on the Non-Operating Revenue/Expenses category include:

- Overall Non-Operating Revenue/Expenses increased \$519,115
- Debt Service Principal Interest increased \$75,449
- Debt Service Principal increased \$550,000

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

3. Committee Meetings

There was one Infrastructure Committee Meeting held on April 18, 2017, to review the Draft Fiscal Year 2018-2022 Capital Improvement Program.

Bob Gray, Vice-Chairperson, commented that he liked the figures presented and it is a considerable improvement to what the District had scheduled in previous years.

Bruce Kamilos, Assistant General Manager spoke to Mr. Gray's comments.

Sophia Scherman, Director, inquired if Mr. Kamilos could provide further explanation on the abandonment of the two 4" water mains on Locust Street and the replacement of that with an 8" water main. Mr. Kamilos responded explaining that the 4" water mains do not meet the Elk Grove Water District (EGWD) construction standards, as the 4" water mains are undersized, and EGWD's new standard size is an 8" water main.

Jeanne Sabin, Director, inquired when the next Infrastructure Committee Meeting would be. Mr. Kamilos responded stating that the Infrastructure Committee agreed to not hold a second meeting and send by e-mail the revisions from comments made during the first Infrastructure Committee Meeting. The Fiscal Year 2018-2022 Capital Improvement Plan will be ready for final approval by the full board at the Regular Board Meeting scheduled in June.

MSC (Scherman/Sabin to accept Infrastructure Committee Meeting Minutes for April 18, 2017 5/0: Ayes: Gray, Medina, Nelson, Sabin and Scherman.

4. Elk Grove Water District Operations Report – April 2017

Mr. Madison presented the Elk Grove Water District Operations Report – April 2017 to the Board.

Summary Points:

- Door tags and shutoffs remained at normal levels during the month of April.
- The District has continued to do a lot of hydrant maintenance and valve exercising.
- The District had two (2) pressure complaints for the month and they were both unconfirmed.
- The District had four (4) water quality complaints, and two (2) of those may be valid.
- Wells 4D and 11D were the main sources of supply for Service Area 1. The shallow wells were operated a fair amount.
- Well 14d was offline due to the rehab project. Well 13 (Hampton) has been offline but is now being start up.
- Total production for Service Area 1 began to increase but was less than last year. This is likely because of the rain.
- Total customer usage for EGWD (SA1 and SA2) was down by over 40% compare to April 2013.
- The static and pumping water level data still includes the second quarter measurements. The statics levels still have definitely come up in all of the wells except 14D.
- There have been no problems with water quality or regulatory compliance. The District now has to submit quarterly report on raw groundwater coliform monitoring and the first quarterly report included on page 42.
- All preventative maintenance activities have been performed in compliance with the District's Standard Operating Procedures.
- The District's domestic service backflow prevention program is working very well and there are only 15 delinquent customers at the end of April and 13 of

those are carryover from the month of March and the District is now working with those customers and bringing them up into compliance.

- The District have 5 formal safety meetings and it has been 454 days since a reportable injury.
- There were no service line replaced during the month of April and the Utility crew worked on the Fiber Optic Line Project.
- There were no main line leak and five (5) service line leaks.
- Pressures in both Service Areas 1 and 2 have remained sufficient and balanced. The pressure in Sample Station Area 9 remains very high and this is controlled by the Sacramento County Water Agency (SCWA). The District has notified SCWA of this issue.

Mr. Gray inquired if the SCWA is providing surface water. Mr. Madison responded stating that he does not know but he will e-mail Mr. Gray with what he finds out from SCWA.

A brief discussion occurred regarding whether the Elk Grove Water District's Operation Report should be hole punched or bound, when provided to the Board. The consensus of the Board was to 3-hole punch the document.

5. Water Usage and Conservation Report

Sarah Jones, Program Manager, presented the Water Usage and Conservation Report to the Board. In summary, several bills are moving through the legislative process in relation to the final Framework and long term conservation. The Regional Water Authority (RWA) and the Association of California Water Agencies (ACWA) support two bills in relation to long term conservation: AB 968 & 1654 (Rubio) because these bills focus is on long term water efficiency, reliability, and conservation while giving more flexibility at the local level to determine and plan accordingly instead of a one-size fits all approach. RWA and ACWA are opposed to budget trailer bill (810) which represents significant policy change that opponents feel should be heard through the deliberative stakeholder and committee process rather than the state budget process which does not allow for adequate time for stakeholder and public input. Additionally, they are opposed to two Assembly bills that incorporate the Administration's budget trailer bill (810) language, AB 1668 & 1669 (Friedman), because these bills would grant the State Water Resources Control Board permanent, unchecked authority to establish, modify and enforce urban water use targets.

6. Legislative Update

Ms. Jones presented the Legislative Update to the Board. Ms. Jones asked for input from the Board on bills they are interested in tracking.

Mr. Madison spoke on bills he heard at the 2017 Spring Association of California Water Agencies (ACWA) Conference.

The following are bills the District is following:

- SCA 4 – (Hertzberg D) Water Conservation
 - Mr. Madison provided information and background to the Board on this bill. He stated that in the future, the District may ask the Board to adopt a position on this bill.
 - Mr. Madison stated that ACWA appears to be supporting this bill currently.
 - Chairperson Tom Nelson commented as a constitutional amendment this bill would need to go before the people. Mr. Madison agreed with

Chairperson Nelson and stated that it would need a two-thirds vote by the voters to pass but he will confirm and get back to the board on this.

- SB 496 – (Cannella) Requires special districts and other local agencies to defend private engineers and architects against lawsuits related to their work.
 - Mr. Madison sent a letter of opposition to the State
- AB 746 – (Gonzalez Fletcher D) Public Health, Potable Water, Lead Testing at school sites and campuses.

Lisa Medina, Director inquired about bill AB 166 (Salas D) Safe drinking water: household filtration system/rebate program. Ms. Jones responded stating that if consumers have poor water quality than the consumer is provided a filtration device (regarding how it is done in Flint, Michigan). Ms. Jones stated that she can monitor this bill going forward.

7. Directors Comments and Information

Ms. Scherman commented that the thin blue line flags on Elk Grove Boulevard and Elk Grove Florin Road are in support of Law Enforcement for Law Enforcement week and was paid by the Elk Grove Police Explorers.

Chairperson Tom Nelson adjourned from Open Session to Closed Session.

8. Closed Session

- a. PUBLIC EMPLOYEE PERFORMANCE APPOINTMENT (Section 54957)
Title: General Counsel

There was nothing to report out of closed session.

Adjourn to regular meeting on June 21, 2017 at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary

SP/CR

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

Wednesday, May 24, 2017

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, Lisa Medina, Tom Nelson, Sophia Scherman, Jeanne Sabin
Directors Absent: None
Staff Present: Mark J. Madison, General Manager; Bruce Kamilos, Assistant General Manager; Stefani Phillips, Human Resources Administrator; Jim Malberg, Finance Manager; Donella Murillo, Finance Supervisor; Sarah Jones, Program Manager
Associate Directors Present: None
General Counsel Present: Nick Norvell, Meyers Nave
Consultants Present: None

Public Comment

No comments were made.

Sophia Scherman, Director, requested a moment of silence for the Manchester families.

1. Professional Services Agreement for Legal Services

Mark Madison, General Manager, presented the Professional Services Agreement for Legal Services to the Board. In summary, Mr. Madison was directed by the Board to solicit proposals from selected legal firms, which would provide legal services to the Florin Resource Conservation District (FRCD) and the Elk Grove Water District (EGWD). Nine firms were solicited and five firms submitted proposals for this work. The Professional Services Selection Panel (PSSP) reviewed the proposals and interviewed the top two firms.

Mr. Madison commented that Meyers Nave provided the District with two (2) options associated with compensation and reimbursement:

- Option 1 is a flat rate for all attorneys, excluding public finance and complex litigation, of \$265.00 per hour.
- Option 2 provides services at the following hourly rates:

○ General Counsel (Ruthann Ziegler)	\$300.00
○ Assistant General Counsel (Nick Norvell)	\$240.00
○ Paralegals	\$165.00

Mr. Madison recommended the Board go with Option 1.

Director Scherman commented that the first sentence under the Professional Services Agreement (PSA), on page 6, section A, under the Appointment of General Counsel section, is not very clear. It was agreed to add a comma after the word serve and the sentence should read as follows:

Ruthann G. Ziegler is hereby designated and appointed as General Counsel of the District and shall serve, and Meyers Nave be compensated as provided by this Agreement.

MSC (Scherman/Sabin) to approve a motion authorizing the General Manager to execute a Professional Services Agreement (with revisions) between the Florin Resource Conservation District and Meyers Nave, for legal services to be provided to the Florin Resource Conservation District and Elk Grove Water District. 5/0: Ayes: Gray, Medina, Nelson, Sabin and Scherman.

The PSA was signed and executed and Nick Norvell from Meyers Nave took seat at the table as General Counsel.

2. Draft Fiscal Year 2017-18 Elk Grove Water District Operating Budget

Jim Malberg, Finance Manager, presented the Draft Fiscal Year 2017-18 Elk Grove Water District Operating Budget to the Board.

Mr. Malberg presented the changes made to the draft Operating Budget since the May 3rd meeting:

Salaries & Benefits – Increased \$32,500

- FY 2017-18 COLA is 2.73% (increase of \$6,549 from estimate)
- Internship Program increased \$15,000
- EGWD Health Saving Account (HSA) Contribution increased \$15,000
- Other Post-Employment Benefits (OPEB) payment reduced by \$4,049

Office & Operational – Increased \$14,600

- Purchase Water – increased \$17,764
 - Sacramento County Water Agency (SCWA) estimate increase 3.8%
- Contracted Services increased \$25,000
 - Water Shortage Contingency Plan
- Capitalized Labor Increased \$947
- District Revenues in Excess of Expenditures
 - Decreased \$88,917

Mr. Malberg commented with the changes made to the draft Operating Budget, \$11,000 in the red. With that being said, there are two options:

- Option 1, pull from reserves
- Option 2, have a discussion on what line items in the Operating Budget can be reduced

Bob Gray, Vice-chairperson, commented to take it out of reserves.

A discussion regarding the new rate study occurred. Mr. Madison commented that the use of the reserves monies will be discussed throughout the update of the new rate study.

Tom Nelson, Chairperson suggested to change the amounts of the projects within the Capital Improvement Plan (CIP).

Vice-chairperson Gray commented that the District will need to make a profit (operating revenue in excess of operating expenses) in order to meet the bond debt service covenant of 1.15 coverage (which is equivalent to 15 percent).

Mr. Madison suggested to revisit the Reserve Policy at a later date.

Jeanne Sabin, Director, suggested changing the Reserve Policy operational days from 120 to 180 days for 1-3 years to see how the reserves will respond to this strategy.

A discussion continued regarding options to reduce the reserves.

Mr. Madison stated three (3) options for the Board to consider to reduce the District's reserves:

- Spend it
- Pay down the principal
- Refund the customers

Mr. Malberg commented once the rate study is underway, the model can show options for different scenarios.

Vice-chairperson Gray pointed out some typos on page 5, second paragraph, of the document. Staff will revise the document.

Chairperson Nelson inquired what lead to the amount budgeted for travel for the Board members. Mr. Madison responded stating the amount is higher this upcoming fiscal year due to Chairperson Nelson not attending the spring 2017 ACWA Conference.

Chairperson Nelson recommended to put a placeholder into the Operating Budget for the recommended changes from the IT Study. Mr. Madison suggested to follow through with the study and wait for the results and see if the District needs to amend the budget. It was agreed that the District can budget accordingly at a later date.

Director Sabin inquired what types of interns the District is looking for. Mr. Madison responded saying the District does not know the type of intern they are looking for. Mr. Madison stated that staff needs to have more discussions on this topic. Lisa Medina, Director, commented to agendize this item in the future. Mr. Madison suggested to have this item come back to the Board in July.

Director Scherman inquired if the last bullet point on page 4, regarding Grants or Special Funding is accurate. Mr. Madison responded providing background and stating that the comment in the document is a true statement.

Vice-chairperson Gray inquired what is included in billing services on page 3. Mr. Malberg responded stating it is the non-postage portion of the District cost for billing our customers, which includes all supplies provided by the vendor.

A discussion occurred regarding e-billing and how the service will be launched. Mr. Gray commented on a need for a better host server for the e-billing service.

Mr. Madison discussed the nine (9) top key objectives with the Board.

Mr. Madison responded to Vice-chairperson Gray's request to look into paperless billing and electronic payments (ACH) and suggested to add as an objective under the Finance department on page 44.

Director Scherman complimented on how easy the Operating Budget was to read.

The Board agreed that the third Finance Committee meeting is not needed.

Adjourn to the Regular Board Meeting on June 21, 2017 at 6:30 p.m.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary

SP/CR



FRCD Cash Flow For the Month Ended May 31, 2017

Cash in Bank – Beginning	\$ 54,202.75
Interest Earned	
Disbursements:	
Check # 1021- SLEWS-Academy Tuition	-\$ 6000.00
Check # 1022-EGWD Salary Allocation for work performed By EGWD Staff	-\$ 186.95
Cash in Bank – Ending	\$ 48,015.80

Check History Report

5/1/2017 to 5/31/2017
Elk Grove Water District

Check Number	Check Date	Vendor Number	Name	Check	Explanation
044377	5/3/2017	ALL STA	ALL STAR RENTS	82.26	
044378	5/3/2017	ARBOR	ARBOR TECH SERVICES	425.00	
044379	5/3/2017	BACKFLO	BACKFLOW DISTRIBUTORS, INC	203.24	
044380	5/3/2017	BAY ALA	BAY ALARM COMPANY	634.45	
044381	5/3/2017	BEST	BEST, BEST & KRIEGER	3,036.63	Legal-April
044382	5/3/2017	BEST	BEST, BEST & KRIEGER	1,226.70	Legal-April
044383	5/3/2017	BRENNTA	BRENNTAG PACIFIC, INC	4,016.04	Materials/Supplies-Treatment
044384	5/3/2017	BSK4	BSK ASSOCIATES	170.00	Sampling-Treatment
044385	5/3/2017	BSK4	BSK ASSOCIATES	210.00	Sampling-Treatment
044386	5/3/2017	BSK4	BSK ASSOCIATES	115.00	Sampling-Treatment
044387	5/3/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044388	5/3/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044389	5/3/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
044390	5/3/2017	CAP RUB	CAPITAL RUBBER	1,292.51	Repairs & Maintenance-Treatment
044391	5/3/2017	CARSON	CARSON UNDERGROUND, INC	2,200.38	Repairs & Maintenance-Bore Rig
044392	5/3/2017	CITY EG	CITY OF ELK GROVE	77.85	
044393	5/3/2017	COUNTY3	COUNTY OF SACRAMENTO	30.98	Void-Reissue
044393	5/3/2017	COUNTY3	COUNTY OF SACRAMENTO	30.98-	
044394	5/3/2017	COUNTY3	COUNTY OF SACRAMENTO	109.70	Void-Reissue
044394	5/3/2017	COUNTY3	COUNTY OF SACRAMENTO	109.70-	Billing-April
044395	5/3/2017	DATAPRO	DATAPROSE LLC	8,180.56	
044396	5/3/2017	DIVIS 5	DIVISION 5-15, INC	15,752.12	Hampton WTP Improvements
044397	5/3/2017	ECO	Eco Landscape California	1,250.00	WaterSmart Workshop-Program Manager
044398	5/3/2017	FASTENA	FASTENAL COMPANY	38.64	
044399	5/3/2017	FASTENA	FASTENAL COMPANY	69.13	
044400	5/3/2017	FASTENA	FASTENAL COMPANY	21.83	
044401	5/3/2017	FED EX	FEDERAL EXPRESS	27.07	
044402	5/3/2017	FRONT C	FRONTIER COMMUNICATIONS	221.25	Well site communications-Alarm and Security
044403	5/3/2017	FRONT C	FRONTIER COMMUNICATIONS	174.91	Well site communications-Alarm and Security
044404	5/3/2017	FRONT C	FRONTIER COMMUNICATIONS	171.25	Well site communications-Alarm and Security
044405	5/3/2017	HALING	CINDY HALING	90.00	
044406	5/3/2017	HERBURG	HERBURGER PUBLICATIONS, INC	598.59	Advertising-Program Manager
044407	5/3/2017	INT STA	INTERSTATE OIL COMPANY	943.43	Fuel
044408	5/3/2017	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	245.00	Janitorial-MOC
044409	5/3/2017	JAN PRO	JAN-PRO CLEANING SYSTEMS OF	255.00	Janitorial-ADMIN
044410	5/3/2017	JAYS	JAY'S TRUCKING SERVICE	1,518.72	Materials/Supplies-Utility Crew

044411	5/3/2017	KIRBY	KIRBY'S PUMP & MECHANICAL, INC	1,275.00	Hampton WTP Improvements
044412	5/3/2017	NTS	NTS MIKEDON, LLC	270.00	
044413	5/3/2017	OCT	OCT WATER QUAILTY ACADEMY	450.00	Training-Disinfection-Distribution
044414	5/3/2017	PACE	PACE SUPPLY CORP	668.07	Materials/Supplies-Distribution
044415	5/3/2017	PAULA M	PAULA MAITA & COMPANY	17.23	
044416	5/3/2017	PAULA M	PAULA MAITA & COMPANY	309.71	Supplies for Western and Harvest Festivals
044417	5/3/2017	RADIAL	RADIAL TIRE OF ELK GROVE	113.05	Repairs & Maintenance-Truck #402
044418	5/3/2017	RADIAL	RADIAL TIRE OF ELK GROVE	510.22	Repairs & Maintenance-Truck #417
044419	5/3/2017	RDO 1	RDO TRUST # 80-5800	7,355.40	Rental Equipment-Locator for Fiber Optic Cable
044420	5/3/2017	REPUBLI	REPUBLIC SERVICES #922	900.82	
044421	5/3/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	447.18	Temporary Customer Service Help
044422	5/3/2017	SMUD	SMUD	755.87	
044423	5/3/2017	SMUD	SMUD	2,285.00	
044424	5/3/2017	SMUD	SMUD	5,745.06	
044425	5/3/2017	SMUD	SMUD	82.41	
044426	5/3/2017	SMUD	SMUD	5,376.69	
044427	5/3/2017	SMUD	SMUD	241.86	
044428	5/3/2017	SMUD	SMUD	1,194.59	
044429	5/3/2017	SMUD	SMUD	514.85	
044430	5/3/2017	SMUD	SMUD	1,794.26	
044431	5/3/2017	SOUTHWE	SOUTHWEST ANSWERING SERVICE,	179.98	
044432	5/3/2017	SUMMIT	AIR WORKS INC	250.00	Copier-Admin Office
044433	5/3/2017	TOSHIBA	TOSHIBA FINANCIAL SERVICES	593.01	
044434	5/3/2017	ZOOM	ZOOM IMAGING SOLUTIONS, INC	19.30	
044435	5/8/2017	BESST	BESST INC	14,450.00	Well 1D Profiling
044436	5/8/2017	BESST	BESST INC	5,500.00	Well 1D Profiling
044437	5/8/2017	COUNTY4	SACRAMENTO COUNTY UTILITIES	30.98	
044438	5/8/2017	COUNTY4	SACRAMENTO COUNTY UTILITIES	109.70	
044439	5/8/2017	HRGA	THE HR GROUP ARCHITECTS	7,511.91	RRWTF-MTG & I.T. BLDG
044440	5/8/2017	PAULA M	PAULA MAITA & COMPANY	1,296.35	Work shirts for field crews
044441	5/8/2017	PAULA M	PAULA MAITA & COMPANY	77.55	
044442	5/8/2017	PAULA M	PAULA MAITA & COMPANY	1,985.83	Supplies for Western and Harvest Festivals
044443	5/8/2017	PEST	PEST CONTROL CENTER INC	80.00	
044444	5/8/2017	RADIAL	RADIAL TIRE OF ELK GROVE	45.99	Repairs & Maintenance-Escape Tech Services
044445	5/8/2017	RDO 1	RDO TRUST # 80-5800	17.88	
044446	5/8/2017	SIERRA	SIERRA OFFICE SUPPLIES	253.28	
044447	5/10/2017	A. TEIC	A. TEICHERT & SON, INC	514.09	Materials/Supplies-Utility Crew
044448	5/10/2017	ACWAJPI	CB&T/ACWA-JPIA	59,093.24	June-Health Benefits
044449	5/10/2017	ATT&T	AT&T MOBILITY	315.26	Daily Tasks/Help Tickets
044450	5/10/2017	BG SOLU	SOLUTIONS BY BG INC.	5,000.90	
044451	5/10/2017	BRINKS	BRINK'S INCORPORATED	289.41	Sampling-Treatment
044452	5/10/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
044453	5/10/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
044454	5/10/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
044455	5/10/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
044456	5/10/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment
044457	5/10/2017	BSK4	BSK ASSOCIATES	120.00	Sampling-Treatment

044458	5/10/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
044459	5/10/2017	BSK4	BSK ASSOCIATES	12.00	Sampling-Treatment
044460	5/10/2017	BSK4	BSK ASSOCIATES	32.00	Sampling-Treatment
044461	5/10/2017	BSK4	BSK ASSOCIATES	32.00	Sampling-Treatment
044462	5/10/2017	CD&POW	CD & POWER	27,839.25	Emergency Generator-ADMIN BLDG
044463	5/10/2017	CHAVEZ	CHAVEZ, SILVA & COMPANY	6,115.70	Accounting Services-Water Audit
044464	5/10/2017	CLARK C	CLARK-CADMAN, INC	4,231.00	Well 1D Gate
044465	5/10/2017	CONSOLI	CONSOLIDATED COMMUNICATIONS	237.44	Ethernet Service
044466	5/10/2017	CONSOLI	CONSOLIDATED COMMUNICATIONS	1,302.34	Phones-MOC/ADMIN
044467	5/10/2017	CS DM	CARD SERVICES	600.57	CMTA Conference-Hotel, Parking, Meals
044468	5/10/2017	CS JC	CARD SERVICES	444.56	Materials/Supplies-Distribution
044469	5/10/2017	CS JM	CARD SERVICES	531.32	CMTA Conference-Hotel, Parking, Meals
044470	5/10/2017	CS RS	CARD SERVICES	108.20	Materials/Supplies-Utility Crew
044471	5/10/2017	CS SJ	CARD SERVICES	36.95	Safety, Parking
044472	5/10/2017	CS SP	CARD SERVICES	11.30	Employee Appreciation
044473	5/10/2017	CS SS	CARD SERVICES	351.99	Materials/Supplies-Treatment
044474	5/10/2017	EATON2	EATON PUMPS SALES & SERVICE	83,677.38	Well 14D Rehab
044475	5/10/2017	FASTENA	FASTENAL COMPANY	9.34	
044476	5/10/2017	FASTENA	FASTENAL COMPANY	21.51	
044477	5/10/2017	GLOBALM	GLOBAL MACHINERY	811.88	Equipment Rental for -Fiber Optic
044478	5/10/2017	HACH	HACH COMPANY	144.58	
044479	5/10/2017	JAYS	JAY'S TRUCKING SERVICE	941.27	Materials/Supplies-Utility Crew
044480	5/10/2017	MONTIEL	MICHAEL MONTIEL	60.27	
044481	5/10/2017	MW MAN	MW MANAGEMENT GROUP	2,111.90	Supplies for Western and Harvest Festivals
044482	5/10/2017	OREILLY	O'REILLY AUTO PARTS	466.00	
044483	5/10/2017	PACE	PACE SUPPLY CORP	161.25	Materials/Supplies-Utility Crew
044484	5/10/2017	PACE	PACE SUPPLY CORP	2,522.67	Materials/Supplies-Utility Crew
044485	5/10/2017	PACE	PACE SUPPLY CORP	184.79	Materials/Supplies-Utility Crew
044486	5/10/2017	PACE	PACE SUPPLY CORP	410.04	Materials/Supplies-Utility Crew
044487	5/10/2017	PACE	PACE SUPPLY CORP	20.72	Materials/Supplies-Utility Crew
044488	5/10/2017	PACE	PACE SUPPLY CORP	5.81	Materials/Supplies-Utility Crew
044489	5/10/2017	PAULA M	PAULA MAITA & COMPANY	3,099.64	Supplies for Western and Harvest Festivals
044490	5/10/2017	PAULA M	PAULA MAITA & COMPANY	2,843.31	Supplies for Western and Harvest Festivals
044491	5/10/2017	PEST	PEST CONTROL CENTER INC	80.00	
044492	5/10/2017	POST MO	POST MODERN MARKETING	3,750.00	New Website Design
044493	5/10/2017	RDO 1	RDO TRUST # 80-5800	11.28	
044494	5/10/2017	RDO 1	RDO TRUST # 80-5800	7,273.13	Rental Equipment-Locator for Fiber Optic Cable
044495	5/10/2017	ROOCO	ROOCO RENTS	108.54	
044496	5/10/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	675.09	Temporary Customer Service Help
044497	5/10/2017	SIERR C	SIERRA CHEMICAL COMPANY	1,464.62	Materials/Supplies-Treatment
044498	5/10/2017	WILL SC	WILLIAM SCOTSMAN, INC.	204.82	
044499	5/11/2017	C CHI	CHICAGO TITLE	44.62	Account Closed- Customer Refund
044500	5/11/2017	C CHI T	CHICAGO TITLE	9.91	Account Closed- Customer Refund
044501	5/11/2017	C CHI T	CHICAGO TITLE	40.87	Account Closed- Customer Refund
044502	5/11/2017	CF THK	THOMAS KWONG	10.44	Account Closed- Customer Refund
044503	5/11/2017	CR MID	MID VALLEY TITLE & ESCROW CO	7.79	Account Closed- Customer Refund

044504	5/11/2017	CR MID	MID VALLEY TITLE & ESCROW CO	3.65	Account Closed- Customer Refund
044505	5/11/2017	CR RCI	RIVER CITY INVESTORS LLC	39.56	Account Closed- Customer Refund
044506	5/11/2017	CRF DYS	DENNIS & YANG SMITH	41.79	Account Closed- Customer Refund
044507	5/11/2017	CRF EDA	EDWIN AUSTIN	69.17	Account Closed- Customer Refund
044508	5/11/2017	CRF EEG	EAST ELK GROVE INDUSTRIAL PARK	39.17	Account Closed- Customer Refund
044509	5/11/2017	CRF EEG	EAST ELK GROVE INDUSTRIAL PARK	45.55	Account Closed- Customer Refund
044510	5/11/2017	CRF FBI	FERGUSON & BREWER	141.13	Account Closed- Customer Refund
044511	5/11/2017	CRF FBI	FERGUSON & BREWER	227.97	Account Closed- Customer Refund
044512	5/11/2017	CRF FN	FIDELITY NATIONAL TITLE	301.94	Account Closed- Customer Refund
044513	5/11/2017	CRF FN	FIDELITY NATIONAL TITLE	66.55	Account Closed- Customer Refund
044514	5/11/2017	CRF FN	FIDELITY NATIONAL TITLE	49.44	Account Closed- Customer Refund
044515	5/11/2017	CRF GRM	GRACE MENDOZA	16.70	Account Closed- Customer Refund
044516	5/11/2017	CRF GRS	GRANT SIMPSON	39.13	Account Closed- Customer Refund
044517	5/11/2017	CRF LIN	LINDA NORMAN	5.65	Account Closed- Customer Refund
044518	5/11/2017	CRF LKR	LANE & KRISTI RUDDICK	24.95	Account Closed- Customer Refund
044519	5/11/2017	CRF LOW	LORENDA WALLACE	58.30	Account Closed- Customer Refund
044520	5/11/2017	CRF NT	NORTH AMERICAN TITLE COMPANY	390.82	Account Closed- Customer Refund
044521	5/11/2017	CRF RUD	RUNIE DUCHSCHERER	31.70	Account Closed- Customer Refund
044522	5/11/2017	CRF SMD	SALLY MARIE DAVIS	29.23	Account Closed- Customer Refund
044523	5/11/2017	CRF TES	TEJA SINGH	49.14	Account Closed- Customer Refund
044524	5/11/2017	CRF TIM	TIMOTHY JONES	13.08	Account Closed- Customer Refund
044525	5/11/2017	CRF TUL	TUAN LE	23.83	Account Closed- Customer Refund
044526	5/11/2017	CRF WAF	WARREN FANG	16.70	Account Closed- Customer Refund
044527	5/11/2017	CRF YJC	YURIY & JENNIFER CHERNYY	9.10	Account Closed- Customer Refund
044528	5/11/2017	CRFEOB	EARLE & OLIVE BLAIR	23.66	Account Closed- Customer Refund
044529	5/11/2017	CRFEVG	EVONNE GILMAN	7.40	Account Closed- Customer Refund
044530	5/11/2017	CRFID	FIDELITY NATIONAL TITLE CO	31.52	Account Closed- Customer Refund
044531	5/11/2017	CRFKEC	KELNKE CORP	98.36	Account Closed- Customer Refund
044532	5/11/2017	CRFKTTB	KAITLYNN TURNER & TYLER	18.04	Account Closed- Customer Refund
044533	5/11/2017	CRFNA	NORTH AMERICAN TITLE COMPANY	49.40	Account Closed- Customer Refund
044534	5/11/2017	CRFNAC	NORTH AMERICAN TITLE COMPANY	246.47	Account Closed- Customer Refund
044535	5/11/2017	CRFROS	ROMAN SOLORZANO	10.66	Account Closed- Customer Refund
044536	5/11/2017	CRFWWH	WAYNE & WENDY HUTSON	13.87	Account Closed- Customer Refund
044537	5/11/2017	CRJAYW	JAYSON J WATSON	70.24	Account Closed- Customer Refund
044538	5/11/2017	CRMAF	MARK FRIEDMAN	10.68	Account Closed- Customer Refund
044539	5/11/2017	CRNATI	NORTH AMERICAN TITLE	64.05	Account Closed- Customer Refund
044540	5/11/2017	CRSTOS	STORAGE SOLUTIONS	47.52	Account Closed- Customer Refund
044541	5/11/2017	TRUEPOI	TRUEPOINT SOLUTIONS	10,500.00	Annual Renewal-Truepoint Support
044542	5/17/2017	AFLAC	AFLAC	1,779.86	
044543	5/17/2017	ARC	ARC	50.52	
044544	5/17/2017	BADAWI	BADAWI & ASSOCIATES	11,880.00	
044545	5/17/2017	BRENNTA	BRENNTAG PACIFIC, INC	2,148.24	
044546	5/17/2017	BRENNTA	BRENNTAG PACIFIC, INC	1,157.72	
044547	5/17/2017	BSK4	BSK ASSOCIATES	120.00	
044548	5/17/2017	BSK4	BSK ASSOCIATES	164.00	
044549	5/17/2017	BSK4	BSK ASSOCIATES	795.00	
044550	5/17/2017	BSK4	BSK ASSOCIATES	180.00	
044551	5/17/2017	BSK4	BSK ASSOCIATES	90.00	

FY 2017 Audit-Interim
Materials/Supplies-Treatment
Materials/Supplies-Treatment
Sampling-Treatment
Sampling-Treatment
Sampling-Treatment
Sampling-Treatment

044552	5/17/2017	BSK4	BSK ASSOCIATES	75.00	Sampling-Treatment
044553	5/17/2017	BSK4	BSK ASSOCIATES	75.00	Sampling-Treatment
044554	5/17/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044555	5/17/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044556	5/17/2017	CAL CUT	CALIFORNIA CUT & CORE, INC	650.00	Install Bollards-Admin Office
044557	5/17/2017	CAP RUB	CAPITAL RUBBER	212.17	
044558	5/17/2017	CR EGC	ELK GROVE CARE &	1,816.91	Account Audit-Credit Refund
044559	5/17/2017	CR EPC	EMERALD PARK COMPANY	1,781.54	Account Audit-Credit Refund
044560	5/17/2017	CR EPC	EMERALD PARK COMPANY	1,781.54	Account Audit-Credit Refund
044561	5/17/2017	CS MJM	CARD SERVICES	450.95	
044562	5/17/2017	ELK LOC	ELK GROVE LOCK AND SAFE CO	96.81	
044563	5/17/2017	GOLDEN	GOLDEN STATE FLOW	316.93	
044564	5/17/2017	GRAINGE	GRAINGER	88.83	
044565	5/17/2017	HACH	HACH COMPANY	308.32	
044566	5/17/2017	HANFORD	HANFORD SAND & GRAVEL, INC	225.03	Materials & Supplies-Distribution
044567	5/17/2017	HANFORD	HANFORD SAND & GRAVEL, INC	591.60	Materials & Supplies-Distribution
044568	5/17/2017	INT STA	INTERSTATE OIL COMPANY	2,171.69	Fuel
044569	5/17/2017	MAXWELL	DENISE MAXWELL	4,747.00	Education Reimbursement
044570	5/17/2017	PACE	PACE SUPPLY CORP	80.21	
044571	5/17/2017	PAULA M	PAULA MAITA & COMPANY	1,082.70	Work shirts for field crews
044572	5/17/2017	PETTY	PETTY CASH	142.64	
044573	5/17/2017	PG&E	PACIFIC GAS & ELECTRIC COMPANY	14.10	
044574	5/17/2017	PURCH	PURCHASE POWER	16.16	
044575	5/17/2017	RADIAL	RADIAL TIRE OF ELK GROVE	347.02	
044576	5/17/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	899.54	Repairs & Maintenance- Vermeer Vactor
044577	5/17/2017	SIERRA	SIERRA OFFICE SUPPLIES	29.22	Temporary Customer Service Help
044578	5/17/2017	SIERRA	SIERRA OFFICE SUPPLIES	74.00	
044579	5/17/2017	SIERRA	SIERRA OFFICE SUPPLIES	172.05	
044580	5/17/2017	SIERRA	SIERRA OFFICE SUPPLIES	102.10	
044581	5/17/2017	ULTRA	ULTRA TRUCK WORKS, INC	7.49	
044582	5/17/2017	ULTRA	ULTRA TRUCK WORKS, INC	3.77	
044583	5/17/2017	ULTRA	ULTRA TRUCK WORKS, INC	14.98	
044584	5/17/2017	ULTRA	ULTRA TRUCK WORKS, INC	21.55	
044585	5/17/2017	ULTRA	ULTRA TRUCK WORKS, INC	2.14	
044586	5/17/2017	VERIZON	VERIZON WIRELESS	502.57	Well 1D Video
044587	5/17/2017	WEST	WEST COAST WELL LOGGING SERV	775.00	
044588	5/17/2017	WILL SC	WILLIAM SCOTSMAN, INC.	202.86	
044589	5/17/2017	ZOOM	ZOOM IMAGING SOLUTIONS, INC	204.40	
044590	5/24/2017	A. TEIC	A. TEICHERT & SON, INC	350.52	
044591	5/24/2017	A. TEIC	A. TEICHERT & SON, INC	312.90	
044592	5/24/2017	A. TEIC	A. TEICHERT & SON, INC	247.89	
044593	5/24/2017	A. TEIC	A. TEICHERT & SON, INC	178.79	
044594	5/24/2017	ARC	ARC	112.51	
044595	5/24/2017	BAY ALA	BAY ALARM COMPANY	774.28	
044596	5/24/2017	BAY ALA	BAY ALARM COMPANY	20.77	
044597	5/24/2017	BAY ALA	BAY ALARM COMPANY	431.55	
044598	5/24/2017	BEN RES	BENEFIT RESOURCE, INC	100.00	
044599	5/24/2017	BERLINE	BERLINER COHEN LLP	1,944.00	Draft-RFP For Legal Counsel

044600	5/24/2017	BEST	BEST, BEST & KRIEGER	1,635.20	Legal-May
044601	5/24/2017	BG SOLU	SOLUTIONS BY BG INC.	5,000.90	Daily Tasks/Help Tickets
044602	5/24/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044603	5/24/2017	BSK4	BSK ASSOCIATES	85.00	Sampling-Treatment
044604	5/24/2017	CCPPM	CCPPM	44.05	
044605	5/24/2017	DITCH	DITCH WITCH EQUIPMENT CO., INC	1,371.22	Materials/Supplies-Utility Crew
044606	5/24/2017	DMV	DMV	3.00	
044607	5/24/2017	DOWNEY	DOWNEY BRAND, LLP	54.45	Legal-April
044608	5/24/2017	DOWNEY	DOWNEY BRAND, LLP	4,484.00	Legal-April
044609	5/24/2017	E&M	E&M ELECTRIC & MACHINERY, INC	11,214.00	Software Programs & Updates- Invensys Customer First-Treatment
044610	5/24/2017	EGPOWER	ELK GROVE POWER EQUIPMENT	131.11	
044611	5/24/2017	FASTENA	FASTENAL COMPANY	36.87	
044612	5/24/2017	FERRELL	FERRELLGAS	318.94	
044613	5/24/2017	FRONT C	FRONTIER COMMUNICATIONS	222.78	
044614	5/24/2017	HACH	HACH COMPANY	300.08	
044615	5/24/2017	HACH	HACH COMPANY	106.69	
044616	5/24/2017	OFF RE	OFFICE RELIEF, INC	49.71	
044617	5/24/2017	OFF RE	OFFICE RELIEF, INC	125.67	
044618	5/24/2017	OFF RE	OFFICE RELIEF, INC	326.32	
044619	5/24/2017	OFF RE	OFFICE RELIEF, INC	128.75	
044620	5/24/2017	PACE	PACE SUPPLY CORP	890.38	Materials/Supplies-Distribution
044621	5/24/2017	PACE	PACE SUPPLY CORP	834.21	Materials/Supplies-Distribution
044622	5/24/2017	PAULA M	PAULA MAITA & COMPANY	162.80	
044623	5/24/2017	PAULA M	PAULA MAITA & COMPANY	26.93	
044624	5/24/2017	RADIAL	RADIAL TIRE OF ELK GROVE	107.78	
044625	5/24/2017	RADIAL	RADIAL TIRE OF ELK GROVE	640.27	Repairs & Maintenance-Truck #413
044626	5/24/2017	ROTH	ROTH STAFFING COMPANIES, L.P.	1,041.49	Repairs & Maintenance-Golf Cart
044627	5/24/2017	RWA	REGIONAL WATER AUTHORITY	7,800.00	Temporary Customer Service Help
044628	5/24/2017	SIERRA	SIERRA OFFICE SUPPLIES	79.28	RWA Reliability Plan-Phase 1 Assessment
044629	5/24/2017	SIERRA	SIERRA OFFICE SUPPLIES	358.62	
044630	5/24/2017	SWRCB	SWRCB	34,522.00	
044631	5/24/2017	UNITED	UNITED SITE SERVICES	275.52	
044632	5/25/2017	ACWAJPI	CB&T/ ACWA-JPIA	20,654.82	Water System Fees July 1, 2017-June 30, 2017
044633	5/25/2017	INT STA	INTERSTATE OIL COMPANY	1,524.72	Workers' Comp Program-Jan 1, 2017-03 31, 2017
044634	5/25/2017	SAC 5	SACRAMENTO COUNTY	19.00	Fuel
044635	5/25/2017	SAC 5	SACRAMENTO COUNTY	19.00	Lien Release
044636	5/25/2017	SAC 5	SACRAMENTO COUNTY	19.00	Lien Release
044637	5/25/2017	SAC 5	SACRAMENTO COUNTY	19.00	Lien Release
044638	5/25/2017	SIERRA	SIERRA OFFICE SUPPLIES	57.86	
044639	5/25/2017	SIERRA	SIERRA OFFICE SUPPLIES	276.83	
044640	5/25/2017	SIERRA	SIERRA OFFICE SUPPLIES	16.15	
044641	5/25/2017	SIERRA	SIERRA OFFICE SUPPLIES	161.40	
044642	5/25/2017	SWRCB2	SWRCB-DWOCB	60.00	
044643	5/25/2017	SWRCB2	SWRCB-DWOCB	90.00	
044644	5/25/2017	ULTRA	ULTRA TRUCKWORKS, INC	60.72	
044645	5/31/2017	BATTER	BATTERIES PLUS	23.17	
044646	5/31/2017	BATTER	BATTERIES PLUS	23.17	

044647	5/31/2017	BSK4	BSK ASSOCIATES	50.00	
044648	5/31/2017	COUNTY4	SACRAMENTO COUNTY UTILITIES	70.64	
044649	5/31/2017	CSI	CSI SERVICES, INC	10,516.25	RRWTF Tanks & Recoating
044650	5/31/2017	EGPOWER	ELK GROVE POWER EQUIPMENT	46.81	
044651	5/31/2017	EGPOWER	ELK GROVE POWER EQUIPMENT	4.30	
044652	5/31/2017	EGPOWER	ELK GROVE POWER EQUIPMENT	22.68	
044653	5/31/2017	EGPOWER	ELK GROVE POWER EQUIPMENT	28.40	
044654	5/31/2017	FASTENA	FASTENAL COMPANY	2.78	
044655	5/31/2017	PAULA M	PAULA MAITA & COMPANY	234.68	
044656	5/31/2017	PAULA M	PAULA MAITA & COMPANY	45.84	
044657	5/31/2017	RYAN	RYAN HERCO PRODUCTS CORP	105.94	
044658	5/31/2017	RYAN	RYAN HERCO PRODUCTS CORP	104.58	
044659	5/31/2017	SAC 5	SACRAMENTO COUNTY	19.00	Lien Release
044660	5/31/2017	SAC 5	SACRAMENTO COUNTY	19.00	Lien Release
			Total:	487,812.83	

**Elk Grove Water District
Active Account Information
5/31/2017**

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,670	11,674	11,671	11,800	11,784	11,779	11,780	11,782	11,792	11,801	11,805	
Commercial	520	521	523	525	524	525	524	526	528	524	525	
Fire Service	174	174	175	175	175	175	175	175	176	175	175	
Total Accounts	12,364	12,369	12,369	12,500	12,483	12,479	12,479	12,483	12,496	12,500	12,505	-

**Elk Grove Water District
Active Account Information
FY 2015/2016**

	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
Water Accounts:												
Metered												
Residential	11,669	11,658	11,647	11,637	11,643	11,656	11,649	11,632	11,654	11,666	11,659	11,665
Commercial	513	517	518	521	519	519	521	522	521	521	521	519
Fire Service	121	122	122	124	122	122	122	122	122	123	122	174
Total Accounts	12,303	12,297	12,287	12,282	12,284	12,297	12,292	12,276	12,297	12,310	12,302	12,358

Elk Grove Water District

Bond Covenant Status

For Fiscal Year 2016-17

As of May 31, 2017

Operating Revenues:	
Charges for Services	\$ 12,793,014
 Operating Expenses:	
Salaries & Benefits	3,203,207
Seminars, Conventions and Travel	26,158
Office & Operational	838,896
Purchased Water	2,464,017
Outside Services	521,889
Equipment Rent, Taxes, an Utilities	290,186
Total Operating Expenses	7,344,353
Income From Operations	\$ 5,448,661
Interest & Principal Payments	
1,757,900+1,440,000	2,931,408 *
Debt Service Coverage Ratio:	
Actual	1.86
Required	1.15

* Note: The calculation for the period = the percentage of the year completed.

Elk Grove Water District
Revenues and Expenses Actual to Budget
May 31, 2017

General Ledger Reference	May Activity	May Budget	Variance	%	YTD Activity	Annual Budget	Variance	%
Revenues	1,117,881	1,142,789	(24,908)	-2.18%	\$12,793,014	\$13,713,464	(\$920,450)	93.29%
Salaries & Benefits (1)	169,366	299,617	(130,251)	-43.47%	\$3,203,207	\$3,595,403	(\$392,196)	89.09%
Seminars, Conventions and Travel	1,715	3,714	(1,999)	-53.81%	\$26,158	\$44,570	(\$18,412)	58.69%
Office & Operational	103,224	87,132	16,092	18.47%	838,896	\$1,045,589	(\$206,693)	80.23%
Purchased Water (2)	224,978	243,561	(18,583)	-7.63%	\$2,464,017	\$2,922,734	(\$458,717)	84.31%
Outside Services	83,743	71,150	12,593	17.70%	521,889	\$853,800	(\$331,911)	61.13%
Equipment Rent, Taxes, Utilities	21,295	32,068	(10,773)	-33.59%	290,186	\$384,813	(\$94,627)	75.41%
Total Operational Expenses	604,322	737,242	(132,921)	-18.03%	\$7,344,353	\$8,846,909	(\$1,502,556)	83.02%
Net Operations	513,560				\$5,448,660	\$4,866,555	\$582,105	111.96%
Non-Operating Revenue	0	8,333	(8,333)		97,384	100,000	(2,616)	97.38%
Interest Earned	1,528	2,214	(686)		52,634	26,566	26,068	198.13%
Other Income					150,018	126,566	23,452	118.53%
Non-Operating Expenses					126,527	108,000	18,527	117.15%
Electricity Costs		9,000	9,000		1,558,333	1,700,000	(141,667)	91.67%
Capital Equipment & Expenditures	141,667	141,667	0		1,611,408	1,757,900	(146,492)	91.67%
Bond Interest Accrued	146,492	146,492	0		3,169,742	3,457,900	(288,158)	91.67%
Revenues in Excess of Expenditures (Net Revenues)	226,929				2,428,937	1,535,221	893,716	
Capital Contributions					1,558,333	1,700,000	(141,667)	91.67%
Capital Expenses					700,013	1,384,000	(683,987)	50.58%
Capital Improvements					198,568	1,044,000	(845,432)	19.02%
Capital Replacements					91,908	120,000	(28,092)	76.59%
Equipment					1,320,000	1,440,000	(120,000)	91.67%
Bond Retirement:					2,310,489	3,988,000	(1,677,511)	57.94%
Total Capital And Debt Retirement Expenditures					1,676,781	(752,779)	2,429,560	
Net Position after Capital and Debt Retirement Expenditures								

(1) Approximately \$197,105 of the budgeted \$528,352 of salary & benefit expenses has been capitalized to various capital projects.

(2) Estimated Expenditures: Purchased Water \$199,202 in April 2017 and \$224,978 in May 2017

Consultant Expenses
May 31, 2017

Fiscal Retainer Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of year (92%)
Best Best, & Krieger	Task orders	5,899	47,056	130,000	36.20%
Solutions by BG, Inc.	Task orders	10,002	115,893	130,100	89.08%

Project Specific Contracts

Consultant	Description	Current Month	Paid to date	Budget/Contract Amount	Percent of Contract Amount
Downey Brand LLP	Task orders		35,392	75,000	47.19%

**Elk Grove Water District
Major Capital Improvement Project
Budget vs Actuals
May 31, 2017**

Capital Project	Total Project Budget	Expenditures to Date *	Percent Spent
Service Line Replacements	\$500,000	\$312,852	62.57%
Railroad Corridor Water Line	304,000	397,426	130.73%
Business Center/CSD Bldg. Water Main Looping	175,000	143,147	81.80%
Hampton WTP Improvements	272,515	247,312	90.75%
Well 1D Profiling/Modifications	100,000	19,950	19.95%
Truck Replacements	120,000	91,908	76.59%
Security Infrastructure	84,000	9,200	10.95%
RRWTF Modular Meeting Room & IT Center	125,000	40,004	32.00%
Well 1D Site Improvements	10,000	4,231	42.31%
Fiber Optic Cable	135,000	117,472	87.02%
Emergency Generator Admin Bldg.	50,000	57,440	114.88%
Well Rehabilitation Program (one-per year)	90,000	90,039	100.04%
Well 1D Pump Replacement	64,000	1,200	1.88%
Media Replacement Filter Vessels	100,000	55,106	55.11%
RRWTF Tanks and Vessels Recoating	277,485	28,086	10.12%
Sub-Total	\$2,407,000	\$1,615,375	67.11%

*Includes \$197,105 of capitalized labor in FY 2016-17

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT ASSOCIATE
DIRECTOR APPOINTMENTS**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors consider the appointments of Shahid Chaudhry and Kenneth Strom as Associate Directors to the Florin Resource Conservation District Board of Directors.

Summary

In May of each year, an ad for Associate Directors is posted in a newspaper of general circulation within the boundaries of the Florin Resource Conservation District (FRCD). We have received two (2) applications with the required applicant documents. Applications and associated documentation were received from Shahid Chaudhry (Attachment 1) and Kenneth Strom (Attachment 2), who both have a background of depth in areas applicable for serving the FRCD and Elk Grove Water District (EGWD).

By this action, the Board will consider the appointment of Shahid Chaudhry and Kenneth Strom as Associate Directors to the Board.

DISCUSSION

Background

On March 25, 2009, the Board adopted Resolution No. 03.25.09.01 adopting Policy No. 12, Associate Directors Policy, which details the appointment and qualifications, term and responsibilities, and the application process. At the Regular Board Meeting held on August 26, 2015, the Board adopted Resolution No. 08.26.15.01 revising the policy to permit the Board to fill Associate Director vacancies throughout the year.

June 21, 2017

**FLORIN RESOURCE CONSERVATION DISTRICT ASSOCIATE DIRECTOR
APPOINTMENTS**

Page 2

Present Situation

In May 2017, an ad was posted for the Associate Board Director in the Sacramento Bee, a newspaper of general circulation. Two (2) individuals, Shahid Chaudhry and Kenneth Strom, applied to become Associate Directors of the FRCD. Both applicants submitted the required documents as identified in the Associate Director Policy.

Staff recommends that the Board consider the appointment of Shahid Chaudhry and Kenneth Strom as Associate Directors to the FRCD.

STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. The appointment of Associate Board Directors is fundamentally important to the mission of the FRCD, which states "The FRCD assists, manages, and/or produces beneficial resource conservation programs within the FRCD service area by building alliances, generating community interest and input, and organizing activities and projects".

FINANCIAL SUMMARY

There is no financial impact associated with this agenda item.

Respectfully submitted,



STEFANI PHILLIPS
BOARD SECRETARY

Attachments

May 30, 2017

Ms. Stefani Phillips
Board Secretary
Florin Resource Conservation District
Elk Grove, CA

Subject: Associate Board Director Volunteers

Dear Ms. Phillips,

Reference to the Florin Resource Conservation District's (FRCD) search for five volunteers to become Associate Board Directors; I am excited to submit my candidacy for one of the positions.

With two Master level degrees in Environmental Engineering from Canada and Environmental Pollution Control from U.K., my professional career spans over three decades. In addition to teaching Water & Wastewater Engineering at the university level for nine years; I have 17 years of experience specifically assisting water and wastewater utilities to become energy efficient, cost effective, environmentally friendly, and socially responsible by providing technical assistance and managing grants and loans to implement energy projects. Currently working as Senior Mechanical Engineer / Water-Energy Sustainability Specialist, I am with the California Energy Commission since 1991. An example of assignments completed at the Energy Commission is managing a program which resulted in reducing about 50 MW of electrical load from California's water sector.

Besides working at the Energy Commission, I have a long history of professional and community involvement. I just completed my three years terms as member of the Board of Scientific Counselors' Executive Committee and Vice-Chair of the Safe and Sustainable Water Resources Subcommittee. In this capacity, I reviewed, advised, and provided recommendations to the U.S. EPA's Office of Water on its RD&D Roadmap and Strategic Research Action Plan.

I am member of the Engineering Advisory Board, University of California (Merced); assisting UNHCR in replacing diesel powered generators and diesel powered water pumping systems with renewable energy systems at refugee camps in Africa; and advising three teams on their efforts to make water systems cost effective and environmentally friendly.

In the past, in addition to many other volunteer assignments, I served as Member, Board of Directors and Director of Administration, Muslim Mosque Association, Sacramento; President of Michener Park – a residential complex of about 400 housing units for the University of Alberta married students; and Member, University Professorships Selection and Undergraduate Teaching Awards Committees, University of Alberta. It is worth mentioning that I also graduated from the City of Sacramento's City Academy.

I was awarded Superior Accomplishment Award twice at the Energy Commission. CA-NV Section of the American Water Works Association recognized my services to the water community with George Elliott Memorial Award; and State of Lagos (Nigeria) awarded me with

Ms. Stefani Phillips

Page 2

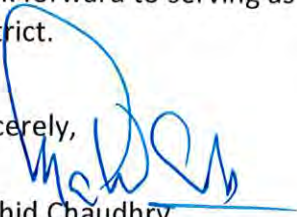
the State Statue in recognition of my contribution toward state's new initiative on wastewater treatment and disposal.

My interest in this position is a continuation of long history of my outside work involvement in professional development and community welfare which has brought me immense opportunities over the years in terms of connecting with like-minded people, having real world experiences, spending quality time away from work and routine life, and most importantly, a sense of returning something good back to the profession and community.

For details on my education, qualifications, professional experience, and outside work activities, I have attached a copy of my *curriculum vitae* for your consideration. Please let me know if you have any questions or need additional information.

Look forward to serving as an Associate Board Director of the Florin Resource Conservation District.

Sincerely,



Shahid Chaudhry
Water & Energy Resources
Sustainability Specialist

10183 Nick Way
Elk Grove, CA 95757
U.S.A.

Phone: +1-916-267-7968

E-mail: SFC95823@yahoo.com

Attachments: i. *Curriculum Vitae*
ii. 3 Reference Letters

Curriculum Vitae

Associate Board Director's Candidate for the Florin Resource Conservation District

Name	Shahid Chaudhry 10183 Nick Way, Elk Grove, CA 95757, U.S.A. Phone: +1-916-267-7968; E-mail: sfc95823@yahoo.com
Nationality	U.S.A.
Qualifications	<ul style="list-style-type: none">• M.Sc. Environmental Engineering (Water Supply and Wastewater Disposal), University of Alberta, Edmonton, Canada• M.Sc. Environmental Pollution Control (Air, Wastewater, Noise, and Solid Waste Mgmt.), Leeds University, Leeds, U.K.• B.Sc. Chemical Engineering, Engineering University, Lahore, Pakistan
Working and/or Consulting Experience	U.S.A., Pakistan, Brazil, Kenya, Chad, Ethiopia, Nigeria, the Netherlands, Spain, South Africa, Seychelles, Mauritius, Sierra Leone, and Peru
Present Position	Senior Mechanical Engineer, California Energy Commission, Sacramento, U.S.A.
Speciality	Sustainable Management of Energy and Water Resources in a Changing Climate
Languages	English, Urdu, Punjabi, Hindi

1. Statement of Motivation

Coming from a well-educated, middle class family; my parents taught me the importance, need, and benefits of volunteering which included not only connecting with like-minded people, having real world experiences, spending quality time away from work and routine life; but most importantly, it gives a sense of returning something good back to the profession and community we are part of and live in. With this strong support and encouragement of my parents, I got involved with my neighborhood social welfare society and eventually was appointed to the senior vice-president position. This was just a humble beginning and then over the years I have an impressive record of involvement in professional and community affairs outside of regular work.

2. International Advisory, Consulting, Volunteering, and Pro-Bono¹

- a. **Kenya:** Assessed energy needs and completed Pre-Feasibility Study for Design of an Infrastructure Management Contract in a refugee camp setting.
Reviewed and provided comments on UNHCR's Global Strategy for Safe Access to Fuel and Energy (SAFE) as well as SAFE strategy specifically for Kenya.

¹ Assignments completed while on leave or before joining state service.

- b. **Chad & Ethiopia**: Assisting UNHCR in replacing diesel powered generator with battery backed-up stand-alone PV electricity generation systems and in replacing diesel powered water pumping systems with Solar (PV) water pumping systems at refugee camps.
- c. **Sierra Leone**: Developed an MS Excel based financial model to estimate Levelized Cost of Electricity (LCOE) to compare financial viability of proposed PPA tariffs for PV projects vs conventional sources.
- d. As Deputy Chief of Party on a USAID \$23 million Energy Efficiency and Capacity Project in **Pakistan**; substituted for COP in designing and implementing performance monitoring approaches with definitive targets, indicators and strategies to track, measure, document, and report progress on the project.
- e. As Senior Energy Sector Specialist identified, evaluated and recommended Four EE/RE projects in Pakistan's industrial sector for USTDA funding consideration. The recommended projects will help promoting U.S. private sector objectives as well as the development of sustainable energy infrastructure in **Pakistan**.
- f. Developed Business case analysis for installing and operating anaerobic digester & seawater reverse osmosis (SWRO) desalination system at an industrial facility, **Seychelles**.
- g. Identified and prioritized water and energy issues for the Republics of **Seychelles and Mauritius**.
- h. Evaluated potential of using small scale emerging membrane distillation (MD) technology in the **Netherlands** for island nations seriously lacking water and energy resources. Also visited and reviewed the performance of the pilot scale SW MD system at the Plataforma Solar de Almería (PSA), **Spain** – the largest concentrating solar technology R&D and test center in Europe.
- i. Provided sustainable water supply and wastewater disposal solutions to a new upscale residential subdivision in **Brazil**.
- j. Educated and shared U.S. experience on Energy Management in Wastewater Treatment with the Lagos (**Nigeria**) State officials at the inaugural summit of the new initiative on Wastewater Management in Lagos State - Chartering a New Course. Further, visited many wastewater treatment facilities to identifying and recommending energy efficiency measures.
- k. Reviewed small scale water recycling applications in Lima (**Peru**) and advised measures in improving their performance.
- l. Attended, educated and shared the U.S. experience on inextricable link between Water & Energy at the Mayoral Climate Change Summit in Johannesburg (**South Africa**).
- m. Identified, evaluated, and recommended wastewater treatment and water recycling options for the City of Karachi (**Pakistan**).
- n. Assisted **World Bank** in identifying and reviewing business models and energy management practices in municipal water and wastewater utilities; and

- o. Completed filed projects for **UNDP** and **UNEP** on Ground Water Quality Monitoring and Air Pollution Monitoring, respectively.

3. Employment Record

<p>04/2014 - 04/2017 Special Government Employee, U.S. Environmental Protection Agency; Office of Research & Development (Home based)</p>	<ul style="list-style-type: none"> • As Vice Chair of the Safe and Sustainable Water Resources (SSWR) Subcommittee reviewed and advised on 2016-2019 RD&D Roadmap and Strategic Research Action Plan in the water and wastewater sector. • As Member of the Board of Scientific Counsellors' (BOSC) Executive Committee advised and provided recommendations on technical and management issues on research programs.
<p>10/2014 - to date Senior Mechanical Engineer, California Energy Commission, Sacramento, California (U.S.A.)</p>	<ul style="list-style-type: none"> • Strategic energy planning and program development; providing technical assistance and supervising energy projects feasibility studies; reviewing and approving funding requests for energy projects; energy efficiency and renewable energy projects management; capacity building, knowledge transfer, and outreaching and programs marketing. • Managing / managed multi-million dollar grants and loans to public sector entities (schools, colleges, cities, counties, hospitals, water and wastewater facilities, etc.) across California implementing EE&RE (solar PV, biomass, small hydro, etc.) projects; and conducting R&D efforts.
<p>09/1998 – 12/2002 Absentee Business Owner (Davis & Woodland)</p>	<p>Owned, operated, and managed two gasoline retail operations with auto-repair and convenience stores. In this capacity:</p> <ul style="list-style-type: none"> • Hired, trained, and supervised staff. • Monitored, supervised, and directed business operations in consultation with managers and supervisors. • Coached and monitored staff in performing their duties e.g. ordering supplies, operating cash registers, punching and maintaining time cards, preparing payroll, performing accounting work, providing customer service, taking phone calls, and other everyday tasks necessary for the efficient running and smooth operation of all three profit centers at each location. • Identified, negotiated, contracted, and ensured quality services and supplies from oil companies, auto parts suppliers, vendors.

<p>05/1991 - 09/2014 Associate Mechanical Engineer / Elec. Generating System Specialist / Assoc. Energy Spec., California Energy Commission, Sacramento, California (U.S.A.)</p>	<ul style="list-style-type: none"> • Managed energy efficiency and renewable energy technologies R&D grants and implemented energy projects; monitored contracts and projects progress, estimated and verified market penetration potential of developed technologies, and quantified energy and environmental benefits of new technologies. • Modeled environmental impacts of power plants emissions and their economic impacts on various receptors,
<p>01/1977 - 12/1985 Assistant Professor / Scientific Officer, University of Engineering & Technology, Lahore, Pakistan</p>	<ul style="list-style-type: none"> • Taught Unit Operations and Unit Processes in Water and Wastewater Treatment to the undergraduate students. • Represented department at various meetings with administration, faculty, vendors, external agencies, professional organizations, and Academic Council and University Senate meetings. • Hired, trained, and supervised a group of 10 employees comprising of laboratory supervisors, technicians, and administrative staff. • Supervised procurement of laboratory chemicals, equipment, and other supplies through bidding process, and set up an inventory control system. • Implemented field projects for UNDP & UNEP.

4. Volunteering Experience in Professional / Community Arenas

Manuscripts Reviewed for Referenced Journals

- Dynamic modeling of water demand and adaptation strategies for power stations to global change (Manuscript ID: ECOLEC-D-08-00181); Ecological Economics.
- Energy and Air Emissions Effects of Water Supply (Manuscript ID: es-2008-01802h); Environmental Science & Technology.
- Energy and Water Quality Management Systems for Water Utility's Operational Cost Reduction: A Review (Manuscript ID: 2013WR015146); Water Resources Research.

Currently

- Member, Engineering Advisory Board, University of California, Merced
- Member, Board of Directors, Pakistan Solar Institute
- Member, Board of Directors and Energy Specialist, Pakistan Straw Bale and Appropriate Building, and
- Member, Three Project Advisory Committees for various energy projects in the water and wastewater sector for Water Research Foundation.

Formerly

- Director, Affordable Desalination Collaboration.
- Chair, Energy & Desalination Committees of the CA-NV Section of the American Water Works Association.
- Instructor, Energy Management in Water and Wastewater Systems, Dept. of Engineering Professional Development, University of Wisconsin, Madison, Wisconsin.
- Member, 12 PACs for various energy projects in the water and wastewater sector for Water Research Foundation, Water Environment Research Foundation, and Water Reuse Association.
- Member: Planning Committee for the Multi-State Collation's Annual Conferences.
- Coordinator: Four One-Day Workshops on the Design & Operations Considerations for Seawater Reverse Osmosis Desalination Facilities (2010, 2015).
- Advised American Society of Mechanical Engineers on Industrial Wastewater Demineralization / Desalination and Hydraulic Fracking WW Treatment Initiatives.
- Member: Technical Working Group on Energy and Environment for the City of Santa Cruz's 9,500 m³/day (2.5 MGD) SWRO Desalination Project.
- Provided technical guidance to the Consortium for Energy Efficiency (CEE) and American Council for an Energy Efficient Economy (ACEEE) in developing Water & Wastewater – Energy Initiative and Development of an Energy Roadmap in the Water and Wastewater Industry, respectively.
- Member: Working Group to Direct the Development of Water Supply Solutions Roadmap (Sandia National Laboratories) and Implementation of the National Desalination and Water Purification Technology Roadmap.
- Member: Advisory Panel of the U.S. Bureau of Reclamation's Salton Sea Vertical Tube Evaporator (VTE) Pilot Test Project, and Proposals evaluation panel for internal RD&D funding for desalination projects for 2012 & 2013 fiscal years.
- Member: Proposals evaluation and funding allocation committees for the California Department of Water Resources to award \$50 million for desalination projects in four categories (feasibility studies, R&D, pilot projects, & construction);
- President: Michener Park – a residential complex consisting of about 400 housing units for University of Alberta married students.
- Member: Board of Directors; and Director of Administration, Pakistani Community Association, Sacramento.
- Member: University Professorships Selection Committee, University of Alberta, Canada.
- Member: Undergraduate Teaching Awards Committee, University of Alberta, Canada.
- Member: University Senate, University of Engineering & Technology, Pakistan.
- Member: Academic Council, University of Engineering & Technology, Pakistan.

TO: Stefani Phillips, Board Secretary, Florin Resources Conservation District

SUBJECT: Recommendation for Shahid Chaudhry, Candidate
Associate Board Directors

I am more than pleased to have the opportunity to recommend Shahid Chaudhry for a volunteer member of the Associate Board Directors of your important organization. My recommendation, which you will see is quite strong, stems from my work with him over the past two years during our joint membership on the US Environmental Protection Agency's Board of Scientific Counselors (BOSC) Executive Committee and, in particular, the BOSC Subcommittee on Safe and Sustainable Water Resources (SSWR). I did not know Shahid before the time of our appointments to the SSWR, because we come from different professional backgrounds. But I came to know and respect Shahid's considerable skills and invaluable practical experience in understanding and managing water resources. The experience set forth in his impressive CV was clearly revealed during his service on the SSWR.

The BOSC advises the EPA on its wide ranging research programs that cover a full range of the agency's responsibilities. Our subcommittee (SSWR) was specifically tasked with reviewing both the agency's Strategic long-term objectives for research on the methods and tools necessary to deliver safe and sustainable water throughout the nation, and also on the large number of research projects the agency both undertakes and otherwise supports to meet those objectives. During the past two years, our multidisciplinary subcommittee, during which time Shahid served as the subcommittee's Vice Chair, produced two major reports detailing our collective views on the overall direction of the SSWR program, the quality and timeliness of research efforts underway, and our recommendations for improvement and new directions. The EPA depends heavily on these reports and is generally required to adopt key recommendations from this independent advisory body. The reports from all of the several BOSC Subcommittees are reviewed by the BOSC Executive Committee, on which Shahid also served, before formal submission to the EPA's chief scientist.

I can assure you that Shahid played a central and guiding role in the SSWR's efforts. He was at ease in dealing with a wide range of technical issues, and was particularly adept at translating our subcommittee's deliberations into terms useful to EPA's decision-making. I was quite astonished at the wide range of Shahid's knowledge regarding water resources, their recovery, and the requirements to achieve drinking water safety. His questions to EPA research staff were almost always penetrating, and were helpful to moving our deliberations ahead. He was quite balanced in his views, while keeping in mind the many practical questions that arise in dealing with water resources. He kept the subcommittee's focus on our task, and usually spoke up when some of us were not doing so, always in a most polite way. He was not only immensely useful for the subcommittee's efforts, but also was very easy to work with --- I am quite sure that all our members hold this view.

The EPA invites experts to serve on BOSC, after careful review of credentials and references, and then internal deliberations. The agency invited Shahid to serve on BOSC and the SSWR subcommittee for very good reasons, and those reasons were shown to be well justified.

I am confident that your Board will be equally well served by Shahid Chaudhry.

Please call me if you have questions

JOSEPH V. RODRICKS, Ph.D.
Founding Principal, Ramboll Environ Corporation, Arlington, VA
Chair, BOSC SSWR
Member of BOSC Executive Committee

540-967-1252

May 26, 2017

Florin Resource Conservation District
9257 Elk Grove Boulevard
Elk Grove, California 95624

RE: Shahid Chaudhry

To Whom It May Concern:

It is my pleasure to provide a letter of recommendation for Shahid Chaudhry for consideration for a volunteer position as an Associate Board Director with the Florin Resource Conservation District. I have worked closely with Shahid at the California Energy Commission (Commission) since 2006, first as a supervisor and currently as a peer.

I have read the areas of expertise the Board of Directors is seeking in candidates and feel strongly Shahid has the education, expertise, and experience to prove an invaluable asset. He is articulate, has excellent technical writing skills, but is able to present complex issue, both orally and in writing, at a level easily understood by laypersons. His duties as a Senior Mechanical Engineer at the Commission require him to work daily with multiple local jurisdictions to identify issues, work cooperatively toward resolution, develop studies to address feasibility, funding, CEQA and legal concerns, and administer projects from initiation to completion. Shahid as an impressive turn-around time on any project, large or small, especially those convoluted by politics, multiple stake holder needs, logistics and resource limitations. He is a proven, well respected expert, both within and outside the Commission, and acts as a staff resource and technical lead. He is also tasked with governmental policy development in areas such as engineering, conservation, environmental health, and especially water and waste water. His education, expertise, and most importantly, experience, are second to none. Even a quick perusal of his CV clearly supports and demonstrates his many accomplishments and abilities.

On a personal level, Shahid is approachable, always willing to do more, acts as a mentor to staff, and is personable, supportive and positive.

I am confident Shahid will surpass your expectations. Again, it is both my pleasure and an honor to recommend him; I do so without reservation. Please feel free to contact me at (916) 654-4044 (work), (916) 628-1981 (cell phone), or godfreez@aol.com with any questions.

Sincerely,



Deborah Godfrey
Energy Commission Supervisor II

May 30, 2017

Florin Resource Conservation District
9257 Elk Grove Blvd.
Elk Grove, CA 95624

I have worked with Shahid Chaudhry over a period of fifteen years in his capacity as a volunteer for the Water Research Foundation (formerly American Water Works Association Research Foundation), a not-for-profit research cooperative governed by water utilities. The Foundation advances the science of water to protect public health and the environment.

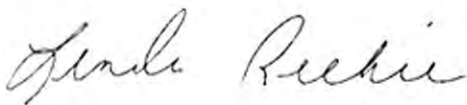
Shahid has provided valuable technical input to the Foundation particularly in the area of optimizing energy management for water utilities. Since 2012, he has served on the Foundation's Energy Technical Advisory Committee, whose purpose is to develop a research agenda for the Foundation to address high priority research needs by investigating energy sustainability and reducing environmental footprint opportunities for the water community.

Shahid has also served on numerous Project Advisory Committees to provide technical input to the projects research teams, reviewing scopes of work and project deliverables to assure they are technically accurate and clearly presented. The two most recent projects for which he has been on PACs include "Public Private Partnership Opportunities for Water and Water Resource Recovery Energy Projects" and "Opportunities and Barriers for Distributed Energy Resource Development at Water and Wastewater Utilities."

Shahid is a pleasure to work with. He fully participates to fulfill the work of the committees on which he participates, including attending meetings and conference calls, providing input during discussions, and providing critical input on written documents. Over the years, he has also demonstrated integrity, professionalism, creativity, and congeniality in his interactions with others.

In my opinion, he will be a valuable addition to the pool of Associate Board Directors and I strongly recommend his nomination.

If you have questions, feel free to contact me at 303.734.3423.



Linda Reekie
Research Manager

Attachment 2

May 31, 2017

Florin Resource Conservation District
9257 Elk Grove Blvd
Elk Grove, CA 95624

Attention: FRCD Board Secretary

I am applying for the position of Associate Director. I live in the District and am a registered voter and landowner within the FRCD boundaries. I believe that because of my experience and expertise I could be of service to the District.

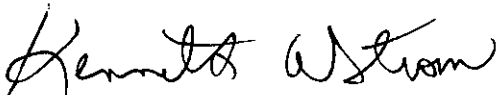
My experience includes working as an engineer, chemist and principal investigator in the fields of environmental science and engineering for 28 years. I worked for well-known engineering and consulting firms, including Bechtel Corporation, Radian Corporation, and Dames & Moore. At two firms, I developed and managed a technical staff of over 100 geologists, engineers, chemists, biologists, and certified industrial hygienists. Much of my career involved investigation of ground water and soil for the purpose of the design of remedial measures. I negotiated with regulatory agencies and prepared studies and reports that supported the development and approval of the remedial measures.

Some examples of my work include:

- Investigated and in some cases remediated soil and ground water for the California EPA, Union Pacific Railroad, Beazer Corporation, University of California, and others;
- Estimated the costs of environmental cleanup of dozens of distressed properties that we purchased with a partner and eventually sold;
- Demonstrated the excellent performance of scrubbing for removal of sulfur dioxide from flue gas produced by burning coal for electric power, and improved the handling characteristics of solid wastes produced at coal-fired power plants; and
- Safely removed asbestos from several school buildings

I was responsible for budgeting and "bottom line" profitability for most of my career. Also, I was an expert witness for my clients in two areas of specialization: laboratory quality assurance and quality control; and application of EPA and State of California environmental regulations in hazardous and solid waste site investigations and cleanup.

Thank you for your consideration.


Kenneth A Strom, PhD

Force Base, San Antonio, TX; US EPA-EMSL, Cincinnati, OH; Chevron USA, Richmond, CA.

- Removed asbestos from school buildings in Berkeley under fixed price contracts using prescribed safety protocols under the supervision of our Certified Industrial Hygienists.

Radian Corporation, Sacramento

1981-1984

- As Program Manager, managed contracts to investigate and clean up hazardous waste sites. Working with the Air Force at Brooks Air Force Base in San Antonio, provided engineering and laboratory support for the closure of McClellan AFB, Sacramento.
- Program Manager for the remedial investigation/feasibility of the Del Amo Superfund Site (also called Cadillac Fairview) in Los Angeles.

Dames & Moore, Sacramento

1984-2000

- As Partner and Vice President, developed and managed offices in Sacramento and Fresno. These offices grew over 15 years to a technical staff of more than one hundred geologists, environmental engineers, hydrogeologists, health risk assessment professionals, biologists, civil engineers, graphic design specialists. A significant project for a major chemical company included characterization and cleanup of pesticide contaminated soils and groundwater at multiple sites in California and Arizona. Other projects included the remedial investigation and feasibility study (RI/FS) for a railroad site in Northern California; and, an RI/FS for a wood treatment plant in Northern California. These projects included risk assessments and ground water modeling. All projects involved negotiations with all or most of the local governing agencies: EPA, California Regional Water Quality Control Boards, California EPA.
- Vice President responsible for the estimation of the total costs of remedial measures for 35 shopping centers and other real estate that we purchased throughout the western US in partnership with a real estate firm. The most common remedial measures addressed contaminated ground water and/or soil. All of the real estate was either remediated by Dames & Moore or sold "as-is" as part of the sales agreements for the properties.

Education:

Central Washington State University, Ellensburg, WA

1963-1967

BA in Chemistry, Minors in Math and Biology

University of California, Berkeley, CA

1967-1972

PhD in Chemistry

Other experience:

US Army Reserve

1973-1981

Captain, Chemical Corps

- Trained in warfare tactics and health and safety protocols for chemical warfare, biological warfare, and nuclear warfare.
- Officer in charge of Army returnees from the Viet Nam war while they were waiting to complete their terms of service.
- Developed a plan for heavy vehicles to avoid dangerous "quick sand" during war game exercises at Fort Hunter Liggett, CA. The plan used available rain data and soils map for the area.

Hobbies:

- Driving on race tracks, including Thunderhill Raceway at Willows CA, Mazda Laguna Seca Raceway at Monterey CA, Sonoma Raceway at Sonoma CA, Daytona Speedway at Daytona FL, Reno-Fernley Raceway at Fernley NV, Miller Motor Sports Park at Tooele UT;
- Photography and creating videos/DVDs using Final Cut Pro and other software; and
- Golf

May 26, 2017

C/O Mark Madison
Florin Resource Conservation District/Elk Grove Water District
9257 Elk Grove Blvd.
Elk Grove, CA 95624

Dear Mr. Madison,

It is with pleasure that I write this letter of recommendation for Ken Strom in his pursuit for the position of Associate Board Director Volunteer. As a friend, I have known Ken and his family for over 30 years and feel he would be an outstanding addition to your team. His knowledge of environmental and water issues along with high ethical and moral standards makes him a perfect candidate for the position.

During long drives and trips abroad, Ken and I would occasionally talk about his past work as a Senior Vice President for Dames and Moore. His work included analysis of environmental issues for property the company, or a client, was interested in purchasing. His reports would include the cost for clean up of the property based on the data collected. He was also involved in making recommendations on how the property could be used in the future.

Ken's moral and ethical standards are second to none. Based on his knowledge of the subject, Ken will give an honest and thoughtful answer while respecting the opinion of others. Ken's dedication to his wife, son, daughter, and grandchildren are exemplary. He gives back to the community through his work with the local homeless organization (HART), Meals on Wheels, and the Rotary Club of Elk Grove.

I believe Ken Strom has a lot to offer your organization and I strongly recommend him for the position of Associate Board Director Volunteer.

Sincerely,



Frank Lucia
8111 Blackstallion Ct.
Sacramento, CA 95829
296-4937

June 1, 2017

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

Attention: FRCD Board Secretary

I am writing this letter in support of the application of Dr. Kenneth Strom for the position of Associate Director of the Florin Resource Conservation District. I have known Ken for more than 30 years. During that time, while I was Chief of Real Property Services at the Department of General Services, I became familiar with his professional work. Ken visited my offices to obtain public information about state-owned real estate that might be for sale and require remediation. I can affirm that Ken was instrumental in several successful real estate cleanup projects in California.

During many discussions of such matters after my retirement, I know that most of his career involved successful investigations of ground water and soil, and that he worked with many regulatory agencies in California.

Ken is a man of high character. He is honest and respectful. He has been a driver for Meals on Wheels for at least 10 years. He also volunteers for the local homeless organization (HART) and the Rotary Club of Elk Grove.

I believe Ken Strom has a lot to offer your organization and I strongly recommend him for the position of Associate Board Director Volunteer.

If you require additional information, please feel free to call me at 916/685-1644.

Sincerely,



Dwight Weathers
9125 Buggywhip Court
Elk Grove, CA 95624

Fitch Consulting Company

***15051 Robles Grandes Drive
Rancho Murieta, CA 95683
Emails: pfitch36@ranchomurieta.org
mhfitch@sbcglobal.net***

May 31, 2017

Florin Resource Conservation District
Attention: Stefani Phillips, Board Secretary
9257 Elk Grove Boulevard
Elk Grove, CA 95624

Ms. Phillips:

It is a privilege to write a letter of recommendation for Dr. Ken Strom to serve on the Board of the Florin Resource Conservation District (FRCD). I have known Dr. Strom for more than twenty-five years and have found him to be very honest in all his dealings and relationships. Also, I have found him to be forthright and yet kind in his personal and professional interactions. I use my own professional career as dean at three universities and colleges and my ten years as the Executive Director of the California Commission on Teacher Certification and Accreditation to support my knowledge of people's skills and actions. I have supervised and evaluated well over one-thousand individuals and staff. Thus, in terms of honesty and dependability, I would place Dr. Strom at the very top in his intellect, personal characteristics, and decision making. He is a very fair person and willing to weigh all sides of issues before making a decision.

Dr. Strom's professional career includes major research and scientific investigation in the various areas that would be found in the work of the FRCD. He has directed studies and research in environmental and conservation/use of lands. His academic background is impressive. He has considerable experience and academic studies in engineering, geochemistry, geology, water service delivery, water resources, and other related fields.

Dr. Strom has served as Program Manager and Administrator for a wide range of projects and research. He has worked with Bechtel Corporation as staff engineer, project manager and senior engineer. He also served for four years with LFE Corporation as Manager of their Environmental Science Department where he hired and supervised groups of chemists, technicians, and industrial hygienists. Dr. Strom served three years as Program Manager for Radian Corporation where he managed contracts to investigate and clean up hazardous waste sites. For sixteen years Dr. Strom served as Partner and Vice President for Dames and Moore. While with them he developed and managed offices in Sacramento and in Fresno. The staff in these two offices grew to include more than 100 geologists, environmental engineers, hydrogeologists, biologists, and civil engineers.

Dr. Strom and I have spent many hours sitting and talking with each other about the world around us, the universe, its atmosphere, and its changes over time. I know much about who he is as a person, and I enjoy how he can share his knowledge with me about things that we both deem important. I regard Dr. Strom to be an outstanding individual in his personal characteristics, his academic preparation, and professional experiences.

You may contact me anytime for more information at 916-354-8809 or via my email at pfitch36@ranchomurieta.org.

Respectfully (and with admiration for Dr. Strom),

A handwritten signature in blue ink, appearing to read "Philip A. Fitch". The signature is fluid and cursive, with the first name "Philip" being more prominent.

Philip A. Fitch, Ed.D.; Ph.D.

June 21, 2017

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

RECOMMENDATION

No action is required at this time.

Summary

The Board has requested a monthly summary of committee meetings. There were no committee meetings in the month of May.

DISCUSSION

Background

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

Present Situation

No committee meetings were held in the month of May.

FINANCIAL SUMMARY

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

June 21, 2017

COMMITTEE MEETINGS

Page 2

Respectfully Submitted,



STEFANI PHILLIPS,
BOARD SECRETARY

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Sarah Jones, Program Manager

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT CONSERVATION
ACTIVITIES REPORT**

RECOMMENDATION

This item is presented for information only. No action by the Board is proposed at this time.

Summary

Chairperson Tom Nelson, Director Jeanne Sabin and Sarah Jones, Program Manager, attended the Student and Landowner Education and Watershed Stewardship (SLEWS) Academy May 22 through May 24, 2017, to learn skills to implement a successful SLEWS program. Ken Steele, from Valley High School, has also committed to be an education partner for that program.

A project site is being sought as well as sponsors to provide food for the students. The Florin Resource Conservation District (FRCD) is now an official SLEWS Program Affiliate. Regarding the Community Conservation Workshop Series, topics, days and time have been identified and potential workshop presenters are being contacted.

DISCUSSION

Background

In the Fiscal Year 2016-17 State Budget, the Department of Conservation was provided \$2.5 million through the Division of Land Resource Protection to assist with Resource Conservation District (RCD) capacity building efforts through the RCD Financial Assistance Program. The FRCD was approved for grant funding and was awarded approximately \$46,000 to implement the Community Conservation Education Program that was approved by the Board, and proposed in the RCD Financial Assistance Program grant application.

FLORIN RESOURCE CONSERVATION DISTRICT ACTIVITIES REPORT

Page 2

Present Situation

Chairperson Tom Nelson, Director Jeanne Sabin, and Sarah Jones, Program Manager, attended the SLEWS Academy from May 22 through May 24, 2017. During this intensive 3-day program, we reviewed the key elements of the SLEWS Program, and acquired the resources and practical tools for:

- engaging youth in real habitat restoration,
- supporting Common Core and Next Generation Science Standards for the classroom, and
- preparing young people for careers with critical problem-solving and interpersonal skills.

Additionally, we were introduced to SLEWS mentors and partner affiliates; we toured project sites and visited the Center for Land Based Learning Center Headquarters including the farm, outdoor gathering space and warehouse facility. As SLEWS Academy participates, we have access to SLEWS documents, lesson plans, necessary forms, six monthly sessions, and a year of individual program support. The FRCD is now an official SLEWS Program Affiliate.

Since the academy, an education partner has been identified. Ken Steele from Valley High School will be participating with his Ecology class. A project site has not yet been determined, however there is a potential to partner with the Delta Conservancy as well as Natural Resources Conservation Service. There is a need to find sponsors to provide snacks and lunches for approximately 30 students for eight (8) field days.

Topics for the Community Conservation Workshop Series have been determined. The workshops will be held on Saturdays from 10:00 a.m. to noon during fall of 2017 and spring 2018 in partnership with the Elk Grove Community Garden.

Workshop topics include:

1. Beekeeping
2. Pollinator habitat gardens
3. Organic pest control
4. Vermiculture (composting)
5. Water efficient landscaping/Irrigation trouble shooting
6. Rain gardens

Currently, we are seeking presenters for each topic.

June 21, 2017

FLORIN RESOURCE CONSERVATION DISTRICT ACTIVITIES REPORT

Page 3

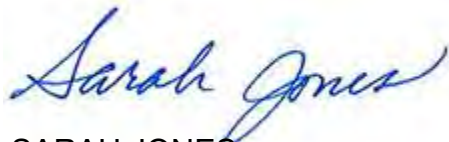
STRATEGIC PLAN CONFORMITY

Compliance with State regulations is in conformity with the District's Business Practice 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

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Sarah Jones, Program Manager
SUBJECT: **WATER USAGE AND CONSERVATION REPORT**

RECOMMENDATION

This item is presented for information only. No action by the Board is proposed at this time.

Summary

For May 2017, Service Area 1 reduced water consumption 20.29%, and Service Area 2 reduced water consumption 44.38% compared to May 2013. The combined May reduction for both service areas is 28.39%.

The Regional Water Authority (RWA) has been actively working to shape legislation related to long-term water use efficiency and drought preparation. Collaborating with a statewide coalition of water providers, RWA co-sponsored AB 968 and AB 1654 (Rubio) RWA recently launched a social media campaign advocating for a locally-based approach to drought preparedness.

DISCUSSION

Background

On April 7, 2017 Governor Jerry Brown issued an executive order that ended the emergency drought declaration in most of the state that had been in effect since 2014. Consecutively, the Governor released the much anticipated final Framework (Framework), *Making Water Conservation a Way of Life: Implementing Executive Order B-37-16*. The Regional Water Authority has voiced its criticism of the final Framework.

Several bills are moving through the legislative process in relation to the final Framework and long term conservation. RWA and the Association of California Water Agencies (ACWA) support two bills in relation to long term conservation: AB 968 and 1654 (Rubio) because these bills focus is on long term water efficiency, reliability and conservation while giving more flexibility at the local level to determine and plan accordingly instead of a one-size fits all approach. RWA and ACWA are opposed to budget trailer bill (810) which represents significant policy change that opponents feel should be heard through the deliberative stakeholder and committee process rather than the state budget process

WATER USAGE AND CONSERVATION REPORT

Page 2

which does allow for adequate time for stakeholder and public input. Additionally, RWA and ACWA are opposed to two Assembly bills that incorporate the Administration's budget trailer bill (810) language, AB 1668 & 1669 (Friedman), because these bills would grant the State Water Resources Control Board permanent, unchecked authority to establish, modify and enforce urban water use targets.

Present Situation

Water Usage

The Water Usage Summary for May 2017 (Attachment 1) indicates Service Area 1 reduced its water consumption by 20.29% in May 2017 compared to May 2013 usage. Service Area 2 reduced by 44.38% for the same period. The combined May reduction for both service areas was 28.39%.

RWA has determined the region's water savings for April 2017 was 43% compared to 2013 (Attachment 2). As a note, our region received four times the amount of precipitation in 2017 than in 2013 and over double the average precipitation for April. The RWA May water savings report was not available at the time this staff report was produced. Due to the timing issue, the RWA water savings report is staggered by one month.

Conservation

RWA has been actively working to shape legislation related to long-term water use efficiency and drought preparation. Collaborating with a statewide coalition of water providers, RWA co-sponsored AB 968 and 1654 (Rubio) . In the first week of June, AB 1654 (Rubio), which focuses on enhancing water supply shortage planning and response, advanced to the Senate, along with competing bill AB 1668 (Friedman), and now awaits assignment to the Senate policy committee.

AB 968 (Rubio), which focuses on long-term conservation target setting, was held by the Assembly Appropriations Committee on May 26, 2017. RWA is now focused on working with a bipartisan team of legislators, convened by Assembly member Eduardo Garcia (D-Coachella) in a new Assembly Water Conservation Working Group, to advance the coalition-supported approach to target setting. See RWA Position Statement, *How California Can Best Improve Drought Preparedness and Increase Water Efficiency* (Attachment 3).

WATER USAGE AND CONSERVATION REPORT

Page 3

In support of these efforts, RWA recently launched a new social media advertising campaign advocating for the locally-based approach. The campaign, which appears on Facebook and Google, is geographically targeted to reach policymakers and their constituents in select areas of the state and around the Capitol. The ads direct viewers to a landing page to learn more information about the issues and to send an e-mail to policymakers in support of the locally-supported approach

You can see the landing page and read RWA's position paper here: <http://p2a.co/jCQKEB7>


STRATEGIC PLAN CONFORMITY

Compliance with State regulations is in conformity with the District's Business Practice 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

Attachments

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							
	Purchased (SA2)	26,951,188	28,184,640	28,756,860	34,167,892	48,653,660							
	Total	86,925,069	78,505,472	89,837,419	102,826,644	186,252,965	0	0	0	0	0	0	0
	% Reduction from 2013	14.80%	30.09%	34.66%	40.74%	28.39%	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 Actual) x Jan. 2013 Prod. Data Actual = 68,254,916

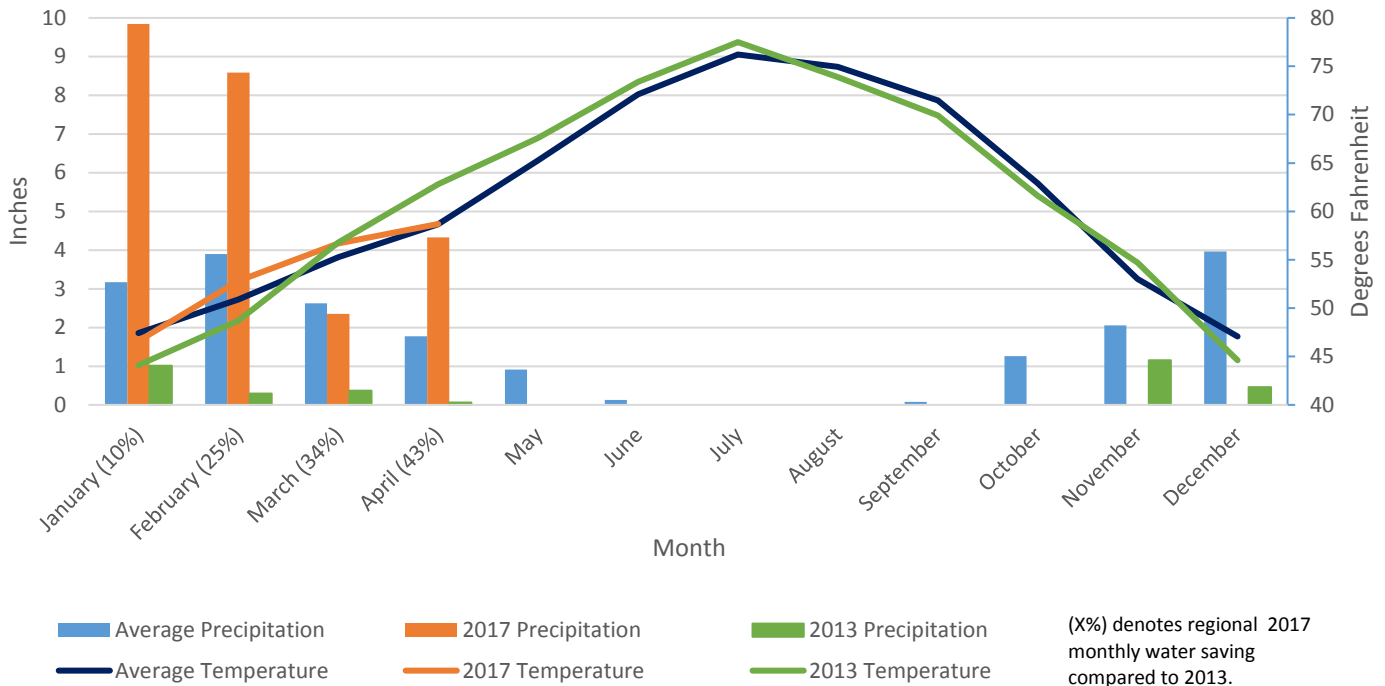
RWA Savings Summary April 2017

YEAR TO DATE REDUCTION BY VOLUME (Million Gallons)													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
2017	6,285	5,407	6,620	6,943									25,255
2013	6,953	7,232	10,094	12,105	17,472	19,483	22,418	20,855	17,311	14,836	10,649	8,430	36,384
%	9.6%	25.2%	34.4%	42.6%									30.6%

STATE WATER BOARD WATER SAVINGS TRACKING (Million Gallons)												
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Total
2016/17	15,136	17,257	17,190	14,696	10,357	6,910	6,407	6,285	5,407	6,620	6,943	113,208
2013	19,483	22,418	20,855	17,311	14,836	10,649	8,430	6,953	7,232	10,094	12,105	150,366
%	22.3%	23.0%	17.6%	15.1%	30.2%	35.1%	24.0%	9.6%	25.2%	34.4%	42.6%	24.7%

REDUCTION BY AGENCY (Data compared to 2013)		
Water Agency	Apr. 2017 Reduction	Jun. 2016 - Apr. 2017 Reduction
California American Water	46.7%	29.7%
Carmichael Water District	47.0%	27.0%
Citrus Heights Water District	44.1%	26.8%
City of Davis	42.3%	24.1%
City of Folsom	34.8%	13.2%
City of Lincoln	41.6%	23.4%
City of Roseville	43.0%	25.4%
City of Sacramento	40.4%	26.8%
City of West Sacramento	45.1%	25.2%
City of Woodland	49.9%	25.7%
City of Yuba City	35.8%	24.9%
Del Paso Manor Water District	43.7%	25.7%
El Dorado Irrigation District	47.7%	22.5%
Elk Grove Water District	40.7%	26.4%
Fair Oaks Water District	50.5%	28.9%
Golden State Water Company	35.9%	21.6%
Orange Vale Water Company	50.8%	33.2%
Placer County Water Agency	33.7%	19.7%
Rancho Murieta CSD	47.3%	25.3%
Rio Linda/Elverta CWD	41.7%	25.2%
Sacramento County Water Agency	41.1%	22.5%
Sacramento Suburban WD	45.4%	24.6%
San Juan Water District	60.5%	27.1%
Average	43.9%	25.0%
Minimum	33.7%	13.2%
Maximum	60.5%	33.2%

Precipitation and Temperature, Average (1998-2016), 2013 and 2017



Water Agency	2017 Residential Gallons Per Capita Per Day (R-GPCD)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
California American Water	65	60	63	65								
Carmichael Water District	86	79	84	94								
Citrus Heights Water District	75	72	80	87								
City of Davis	59	56	60	66								
City of Folsom	93	95	96	104								
City of Lincoln	60	52	56	74								
City of Roseville	51	54	51	64								
City of Sacramento	66	58	74	74								
City of West Sacramento	82	80	74	76								
City of Woodland	51	63	46	76								
City of Yuba City	77	64	76	83								
El Dorado Irrigation District	83	72	89	75								
Elk Grove Water District	53	53	56	64								
Fair Oaks Water District	73	69	80	93								
Golden State Water Company	87	76	85	93								
Orange Vale Water Company	74	64	84	91								
Placer County Water Agency	71	59	74	86								
Rancho Murieta CSD	79	67	71	102								
Rio Linda/Elverta CWD	94	94	91	107								
Sacramento County Water Agency	76	68	67	80								
Sacramento Suburban WD	64	59	65	69								
San Juan Water District	78	72	92	122								
Sacramento Regional Average	69	64	71	77								



How California Can Best Improve Drought Preparedness and Increase Water Use Efficiency

ABOUT

The Administration's Proposal to Give State Regulators Permanent Target-Setting Authority Over Local Water Use

Local water suppliers throughout the State support many of the goals and recommendations set forth in the Administration's framework for long-term water use, such as the need for improved drought contingency planning, continued water waste prohibitions and an increased emphasis on enhancing long-term water use efficiency.

But local water suppliers are strongly opposed to the major thrust of the Administration's proposal: to give the State Water Resources Control Board (State Water Board) unprecedented and unchecked power to mandate water use reductions through uniform statewide conservation standards that can supersede unique local conditions, erode local control, and undermine the State's long-established water rights system

THERE ARE NUMEROUS REASONS WHY THE ADMINISTRATION'S PROPOSAL IS DRAWING OPPOSITION FROM THROUGHOUT THE STATE

- It makes it clear that the State Water Board wants to make water use reductions increasingly more stringent without any legislative oversight or local input.
- It focuses solely on mandating statewide reductions in water use through more stringent conservation targets, while ignoring the need for the State to pursue and implement a diverse, comprehensive portfolio of investments to improve security and reliability, as called for in the Governor's own Water Action Plan.
- It perpetuates the myth that making water rationing a permanent way of life makes communities more resilient to drought conditions. The reality is that the past actions of local water suppliers – investments in drought resilient supplies and long-term improvements in water efficiency – rather than State-mandated conservation, allowed California to weather the recent drought.

LOCAL WATER SUPPLIERS OPPOSE THE ADMINISTRATION'S PROPOSAL AND FAVOR A MORE BALANCED APPROACH THAT:

- preserves the state Legislature's oversight and control over long-term water use target setting
- builds on past success by maintaining multiple options to set efficiency targets instead of a one-size-fits-all approach for water use reduction
- enhances requirements for local planning and response to drought, as currently proposed in Assembly Bill 1654 (Rubio) and supported by more than 100 organizations
- requires annual reporting so the State's response to drought can be targeted at the specific areas requiring assistance
- encourages further capital investments at the local level to increase supplies, efficiency, and resiliency to drought, including promoting recycled water, storm water capture, desalination and conjunctive use

Forcing water suppliers to ration water even when local supplies are adequate and secure, the Administration's proposal would negatively affect local economies, business development opportunities and the quality of life enjoyed by residents in our diverse communities. Projected impacts include the following:



INCREASED RATES

The proposed method for setting water use targets is data-intensive, largely untested and will result in expensive cost burdens to water suppliers and ultimately ratepayers. As occurred during the drought, water providers will face increased costs to implement the Administration's complex top-down plan. Moreover, as water sales are reduced to comply with State-mandated conservation targets, the unit cost of water will have to increase to cover the fixed costs of water suppliers.



FEWER GREEN SPACES

In California, most household water use goes toward watering landscapes. To meet stringent State conservation targets, some reductions will be made inside homes and businesses, but most will come from reducing the water used on landscapes. Green spaces in residential areas, parks and business developments will become increasingly scarce, affecting community aesthetics and quality of life. In fact, the State Water Board's top staffer on water conservation has placed "the elimination of irrigated turf in ornamental landscapes" on his Top 10 wish list for California in the next decade.



HARM TO BUSINESS

The Administration's draft framework, released in November 2016, proposed working with the business community to develop a process for reducing water use over time while avoiding adverse economic impacts. The Administration's proposal calls for water use standards affecting commercial, institutional and industrial water users without creating the necessary stakeholder process.



DAMAGE TO URBAN FORESTS

Water conservation mandates during the drought emergency inadvertently resulted in the loss of large numbers of mature trees in urban areas throughout the State, along with the environmental benefits they provide. The proposed permanent conservation targets could exacerbate this problem.

Local water suppliers, business and other groups support the objectives of better drought preparedness and improved water use efficiency while minimizing the negative impacts. They support building on the foundation created by SB x7-7 and the State's Urban Water Management Planning Act, which have been proven to be successful during many years of implementation.

The California Water Action Plan acknowledges there is no "silver bullet" when it comes to managing California's water resources. Conserving water alone cannot provide for future economic and population growth, respond to climate change, or protect the environment. A diverse portfolio approach is required, which includes investments in water storage, recycling, desalination and conjunctive use, in addition to using water more efficiently.

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **ELK GROVE WATER DISTRICT OPERATIONS REPORT – MAY 2017**

RECOMMENDATION

This item is presented for information only. No action by the Board 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 May. Other notable events are described below.

DISCUSSION

Background

Every month, staff presents an update of the activities related to the operations of the District. Included for the Board's review is the EGWD's May 2017 Operations Report.

Present Situation

The EGWD May 2017 Operations Report highlights are as follows:

- **Operations Activities Summary** – Notable items in the activities summary are that the District hung 409 door hangers for past due balances which resulted in 47 shutoffs. There were 3 pressure complaints and 4 water quality complaints, none of which were validated upon inspection.
- **Production** – Well 13 remains offline while staff is working to reduce the arsenic levels in that well. The Combined Total Service Area 1 production graph on page 13 shows that production during the month of May increased 24 percent compared to May 2016, and is 20.29 percent less than what was produced in 2013. The Total

ELK GROVE WATER DISTRICT OPERATIONS REPORT – MAY 2017

Page 2

Demand/Production for both service areas on page 14 shows that customer use during the month of May, compared to May 2013, was down by 28.39 percent.

- **Static and Pumping Level Graphs** – The second quarter soundings are shown and indicate the some of the static water levels in deeper zones have slightly improved compared to 2013.
- **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 the District's customers met or exceeded safe drinking water standards.
- **Preventative 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 May:
 - Staff continued the post-renovation flushing and sampling of Well 14D Railroad.
 - Staff tested SCADA programming changes of Hampton Village WTP chemical systems.
 - Staff conducted extensive flushing and sampling of HVWTP after the chemical systems retrofit was completed.
 - Staff made repairs leaking hypo-dosing lines at RRWTP
- **Backflow Prevention Program 2017** – There were 56 notices issued for the month. From the initial testing notice 41 devices passed and 3 had failed. Those 3 have since been repaired and have passed. There were 12 secondary notices issued, of which we have received no passing tests. There is a total of 12 outstanding devices as of this month, which will require further investigation.
- **Safety Meetings/Training** – There were 5 safety training sessions conducted for the month. Only 2 safety sessions are required by OSHA standards.
- **Service Line Replacement Map** – The District did not install any residential services in the month of May.
- **Service and Main Leaks Map** – There was 1 main line leak and 4 service line leaks reported for the month.

ELK GROVE WATER DISTRICT OPERATIONS REPORT – MAY 2017

Page 3

STRATEGIC PLAN CONFORMITY

The District'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 the District's distribution and treatment system. The EGWD Operations Report assists the District 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

EGWD

OPERATIONS REPORT

May 2017



Elk
Grove
Water
District



Elk Grove Water District

Operations Report

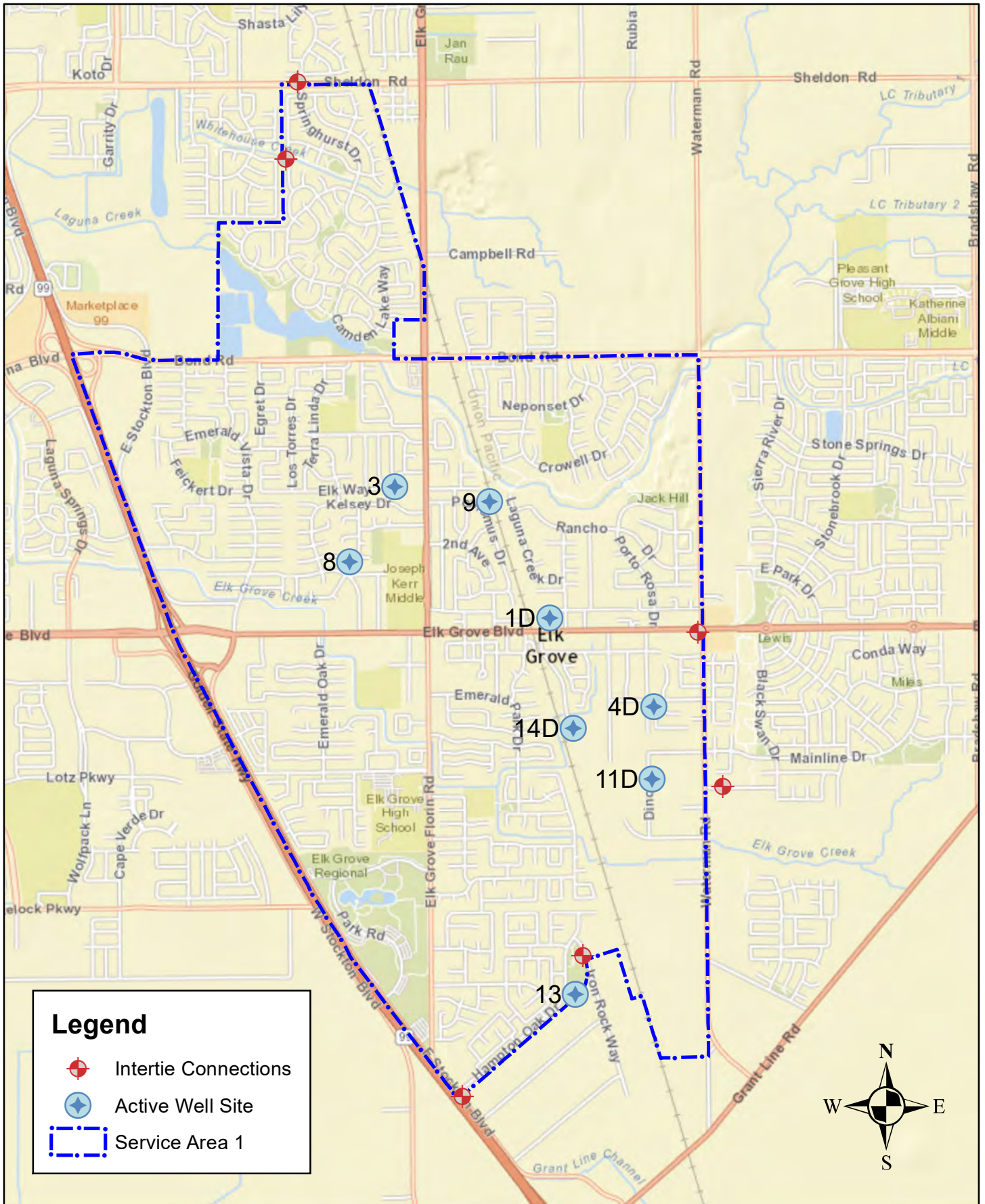
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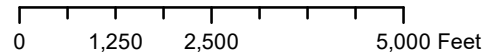
Operations Activities Summary

<u>Service Requests:</u>	May-17		YTD (Since July 1, 2017)	
<u>Department</u>	<u>Service Request</u>	<u>Hours</u>	<u>Service Request</u>	<u>Hours</u>
Distribution				
Door Hangers	409	28	2162	148.75
Shut offs	47	54.50	277	149.25
Turn ons	54	7.50	316	47.25
Investigations	51	70.50	204	198.76
USA Locates	163	40.75	773	193.25
Customer Complaints				
-Pressure	3	2	8	4.25
-Water Quality	4	3.50	11	7
-Other	0	0	0	0

<u>Work Orders:</u>	May-17		YTD (Since July 1, 2017)	
<u>Department</u>	<u>Work Orders</u>	<u>Hours</u>	<u>Work Orders</u>	<u>Hours</u>
Treatment:				
Preventative Maint.	12	24	68	131.50
Corrective Maint.	2	6	19	131
Water Samples	9	33	54	175
Distribution:				
Meters Installed	0	0	0	0
Backflow Devices Installed	0	0	1	36
Preventative Maint.				
-Hydrant Flushing Program	0	0	0	0
-Hydrant Maintenance	140	27	559	131.50
-Valve Exercising	180	66	755	286.50
-Other	0	0	0	0
Corrective Maint.				
-Leaks	5	141.50	18	389.25
-Other	21	154.25	68	566
Valve Locates	0	0	7	63
Utility:				
Service Line Replacement	0	0	10	247.50
Corrective Maint.	0	0	0	0



Active Well Sites & Intertie Connections



Elk Grove Water District



Elk Grove Water District

Monthly Production

Well 1D School -- May 2017
(Well Offline)

Selected Month Production
0 Gallons

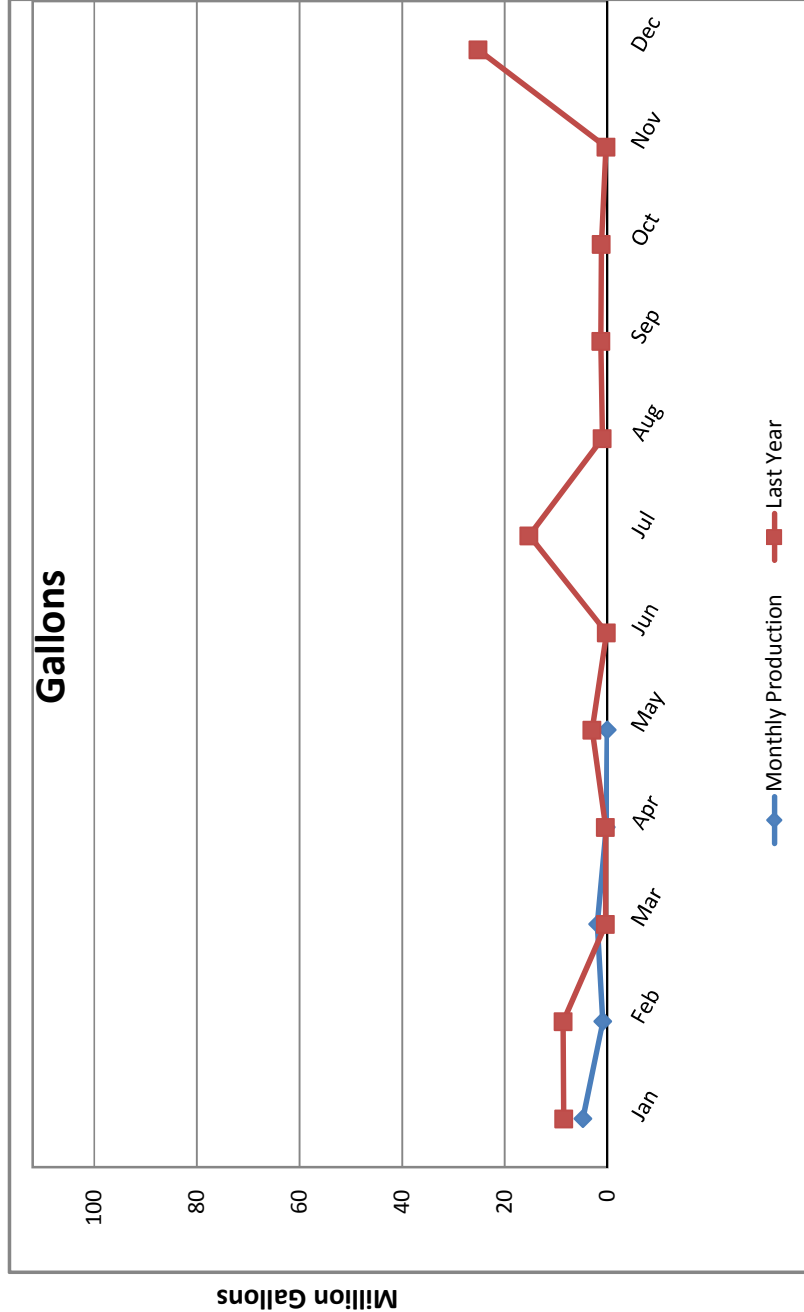
Average GPM: 0

Motor:
Volts: --
Volts (Rated): 460
RPM: --
RPM (Rated): 2115
Amps A: --
Amps A (Rated): 222
Amps B: --
Amps B (Rated): 222
Amps C: --
Amps C (Rated): 222

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

Chlorine:
Dosing: --
Demand: --
Residual: --

Vibration Reading:
Base Line: 0.05
Current: --





Elk Grove Water District

Monthly Production

Well 4D Webb -- May 2017

Selected Month Production
57,270,299 Gallons

Average GPM:
1,706

Motor:

Volts: 472
Volts (Rated): 460
RPM: 1912
RPM (Rated): 1775
Amps A: 190
Amps A (Rated): 225
Amps B: 189
Amps B (Rated): 225
Amps C: 189
Amps C (Rated): 225

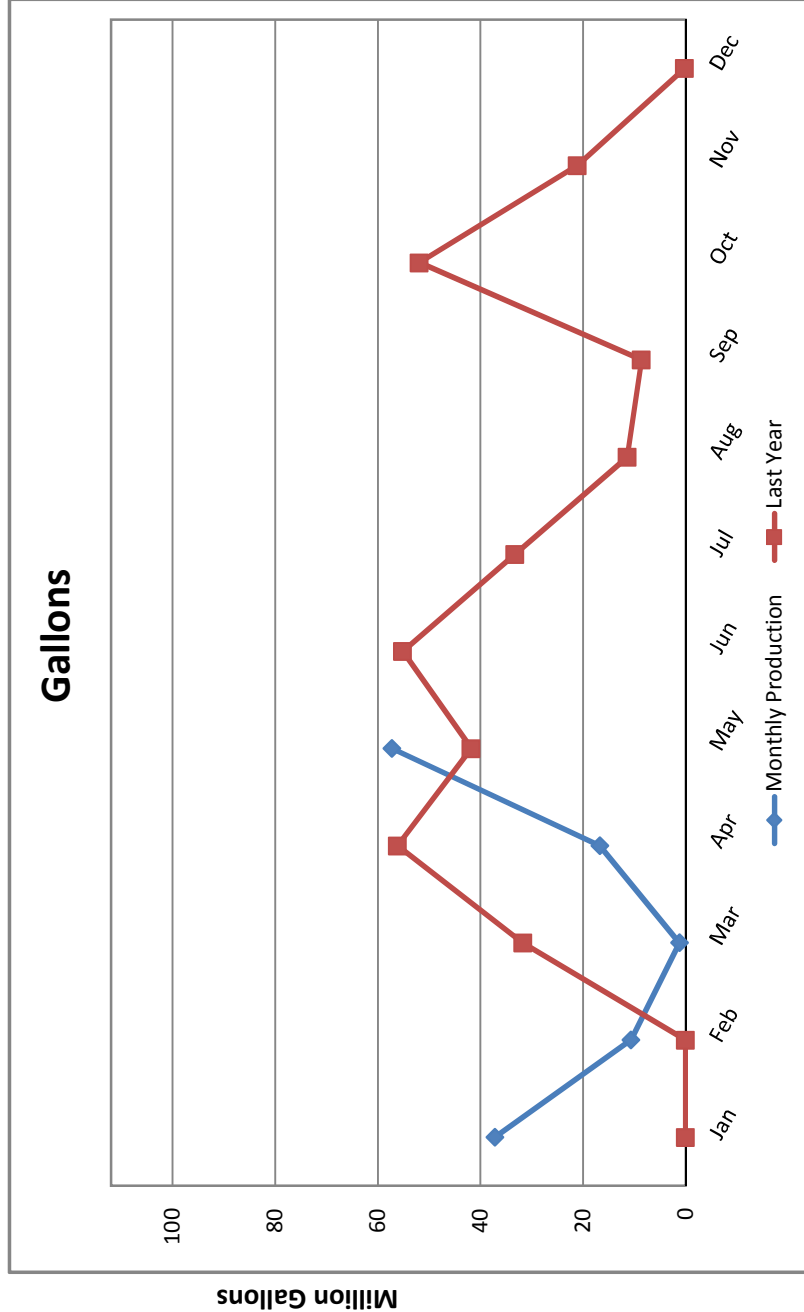
Motor Temp: 149.9 F
Hour Meter: 559.40
KW Hour Total: 72,720.00

Chlorine:

Dosing: 1.76 mg/L
Demand: 0.98 mg/L
Residual: 0.78 mg/L

Vibration Reading:

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





Elk Grove Water District

Monthly Production

Well 11D Dino -- May 2017

Selected Month Production
5,758,878 Gallons

Average GPM:
1,701

Motor:

Volts: 474
 Volts (Rated): 460
 RPM: 1893
 RPM (Rated): 1775
 Amps A: 182
 Amps A (Rated): 225
 Amps B: 183
 Amps B (Rated): 225
 Amps C: 185
 Amps C (Rated): 225

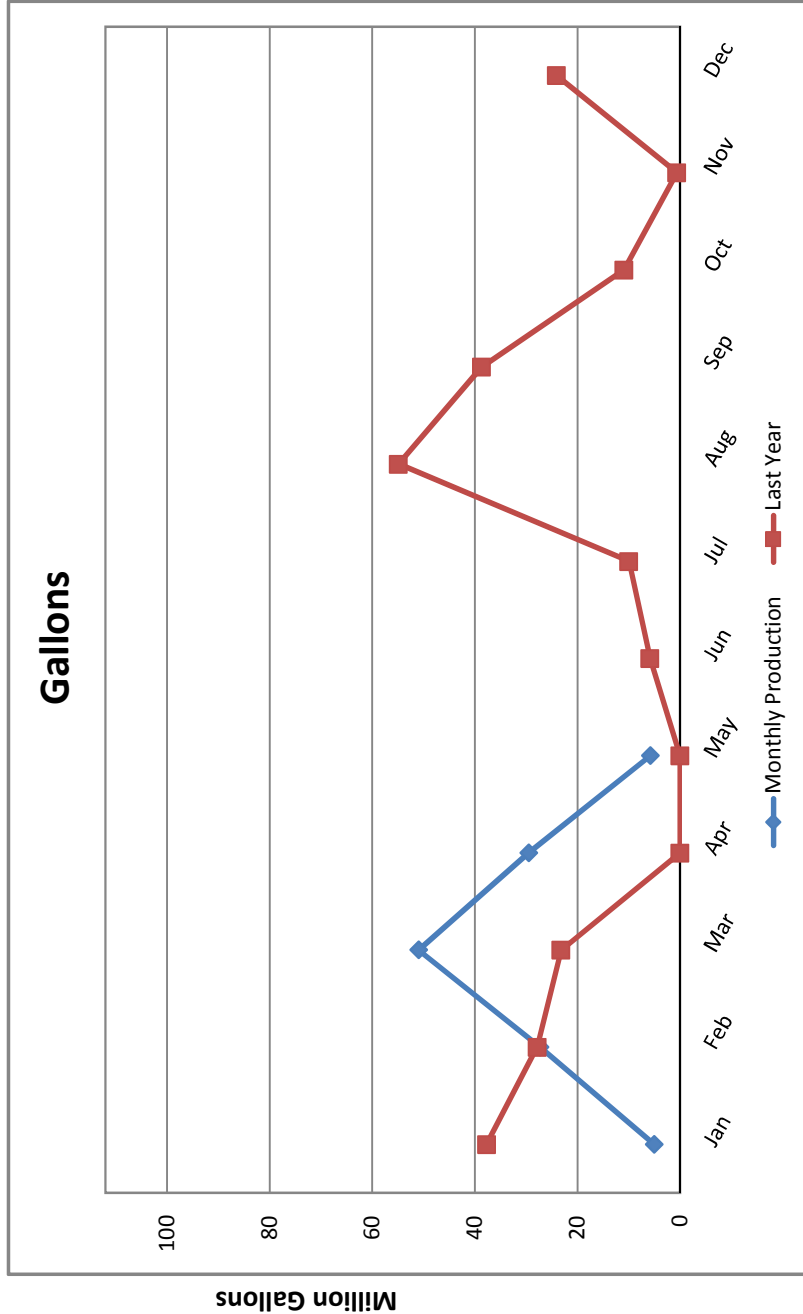
Motor Temp: 153 F
 Hour Meter: 56.40
 KW Hour Total: 7,920.00

Chlorine:

Dosing: 1.77 mg/L
 Demand: 0.69 mg/L
 Residual: 1.08 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
 Current: 0.02 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- May 2017

Selected Month Production
30,749,128 Gallons

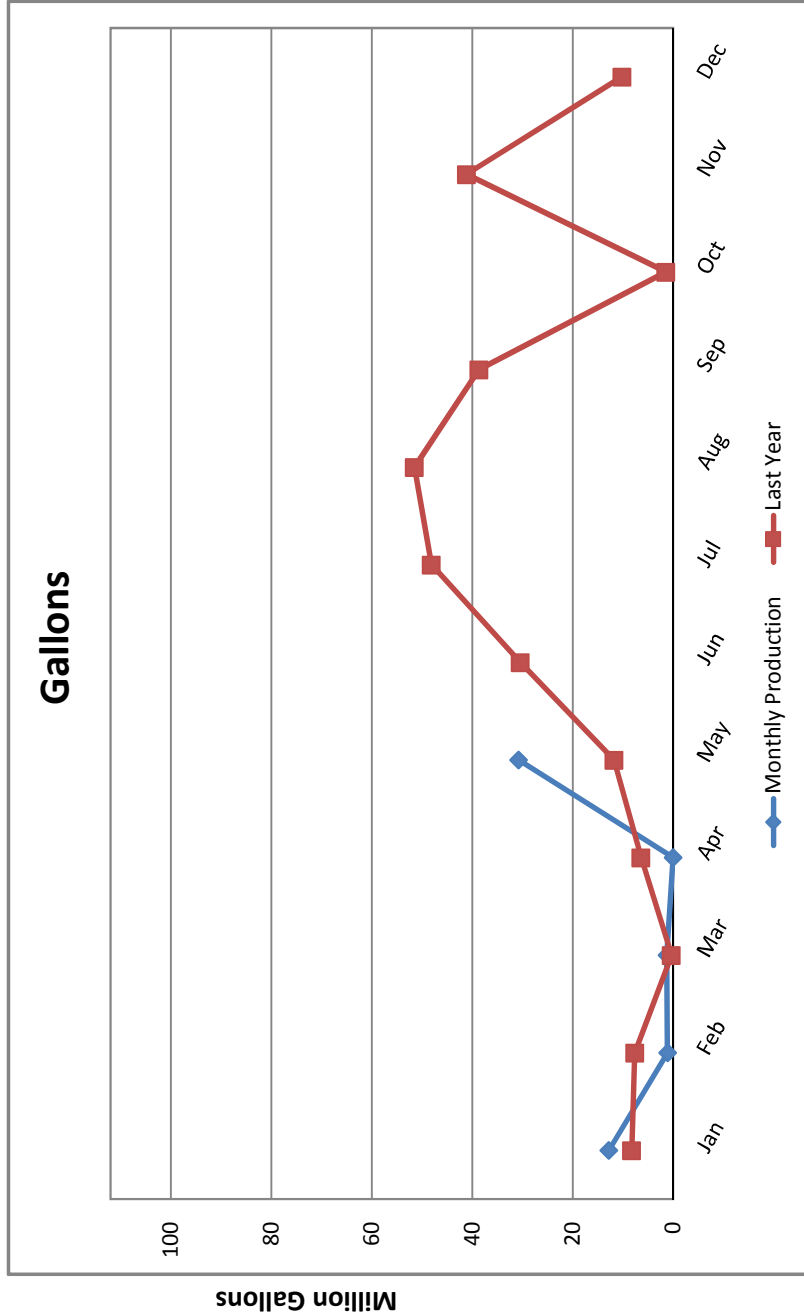
Average GPM:
1,599

Motor:
Volts: 474
Volts (Rated): 460
RPM: 2089
RPM (Rated): 1785
Amps A: 163
Amps A (Rated): 171
Amps B: 164
Amps B (Rated): 171
Amps C: 157
Amps C (Rated): 171

Motor Temp.: 141.8 F
Hour Meter: 320.40
KW Hour Total: 106,880.00
(KWH total is for the entire facility)

Chlorine:
Dosing: 2.12 mg/L
Demand: 1.06 mg/L
Residual: 1.06 mg/L

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





Elk Grove Water District

Monthly Production

Well 3 Mar-Val -- May 2017

Selected Month Production
32,765,000 Gallons

Average GPM: 915

Motor:

Volts: 479
 Volts (Rated): 460
 RPM: 1968
 RPM (Rated): 1983
 Amps A: 89
 Amps A (Rated): 88
 Amps B: 87
 Amps B (Rated): 88
 Amps C: 89
 Amps C (Rated): 88

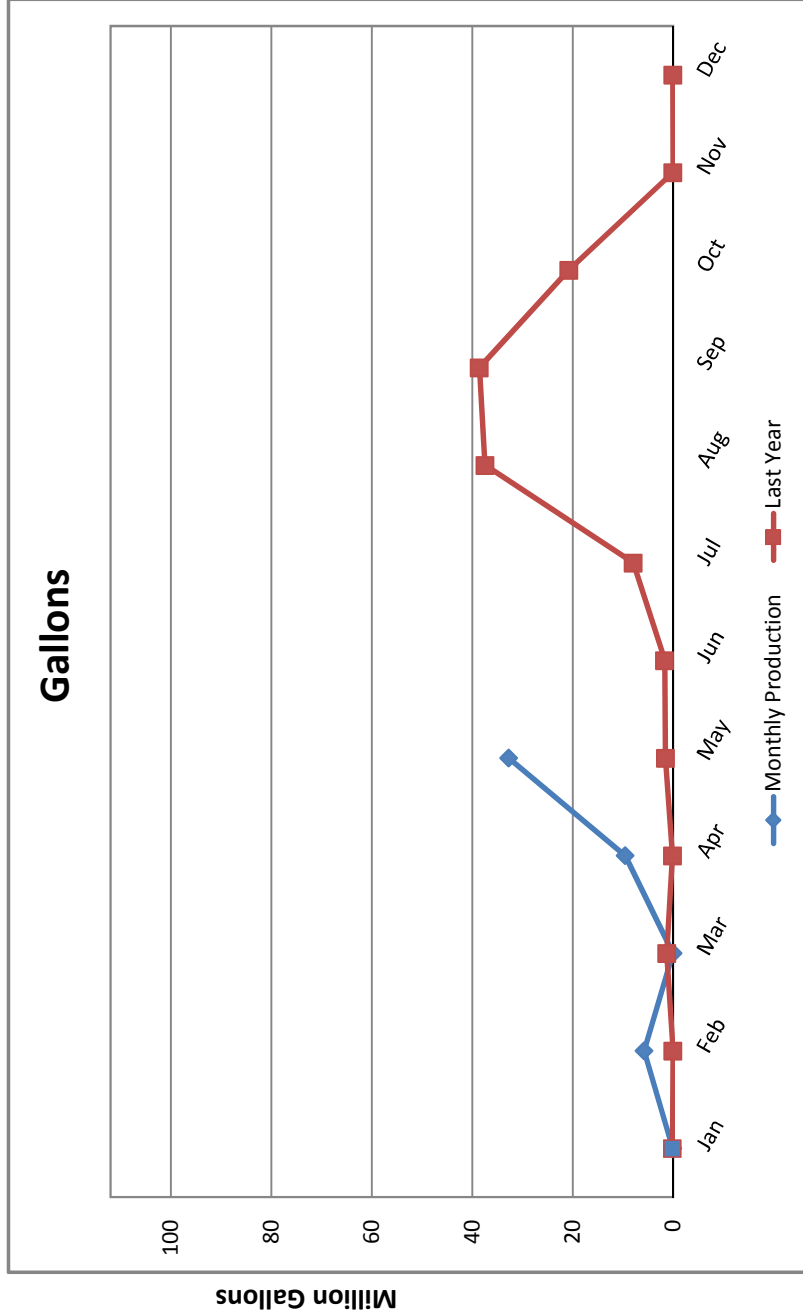
Motor Temp.: 181.5 F
 Hour Meter: 596.80
 KW Hour Total: 36,149.00

Chlorine:

Dosing: 1.18 mg/L
 Demand: 0.39 mg/L
 Residual: 0.79 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current: 0.08 in/sec





Elk Grove Water District

Monthly Production

Well 8 Williamson -- May 2017
(Well Offline)

Selected Month Production
2,458,000 Gallons

Average GPM: 842

Motor:

Volts: --
Volts (Rated): 460
RPM: --
RPM (Rated): 1780
Amps A: --
Amps A (Rated): 87
Amps B: --
Amps B (Rated): 87
Amps C: --
Amps C (Rated): 87

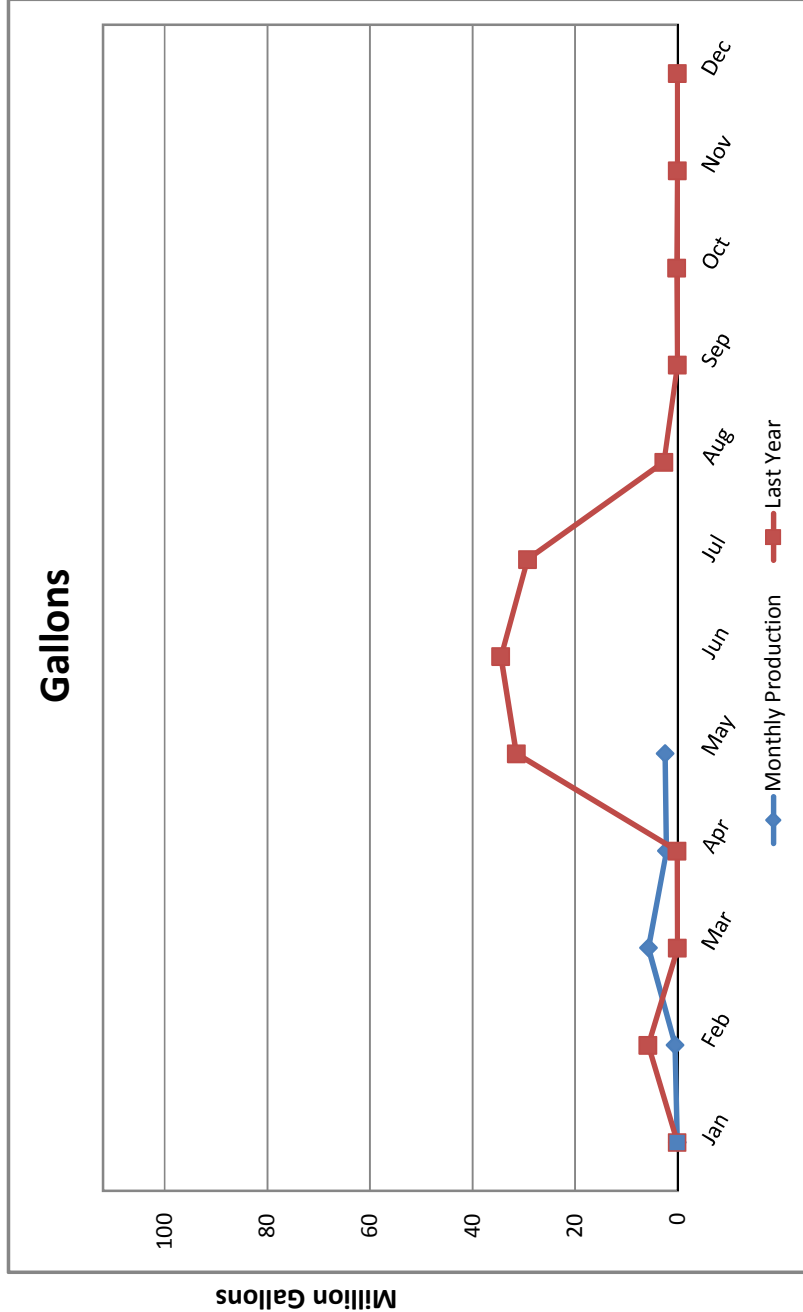
Motor Temp.: -- F
Hour Meter: 48.60
KW Hour Total: 2,897.00

Chlorine:

Dosing: 1.24 mg/L
Demand: 0.5 mg/L
Residual: 0.74 mg/L

Vibration Reading:

Base Line: 0.03 in/sec
Current: -- in/sec





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- May 2017
(Submersible)

Selected Month Production
8,598,000 Gallons

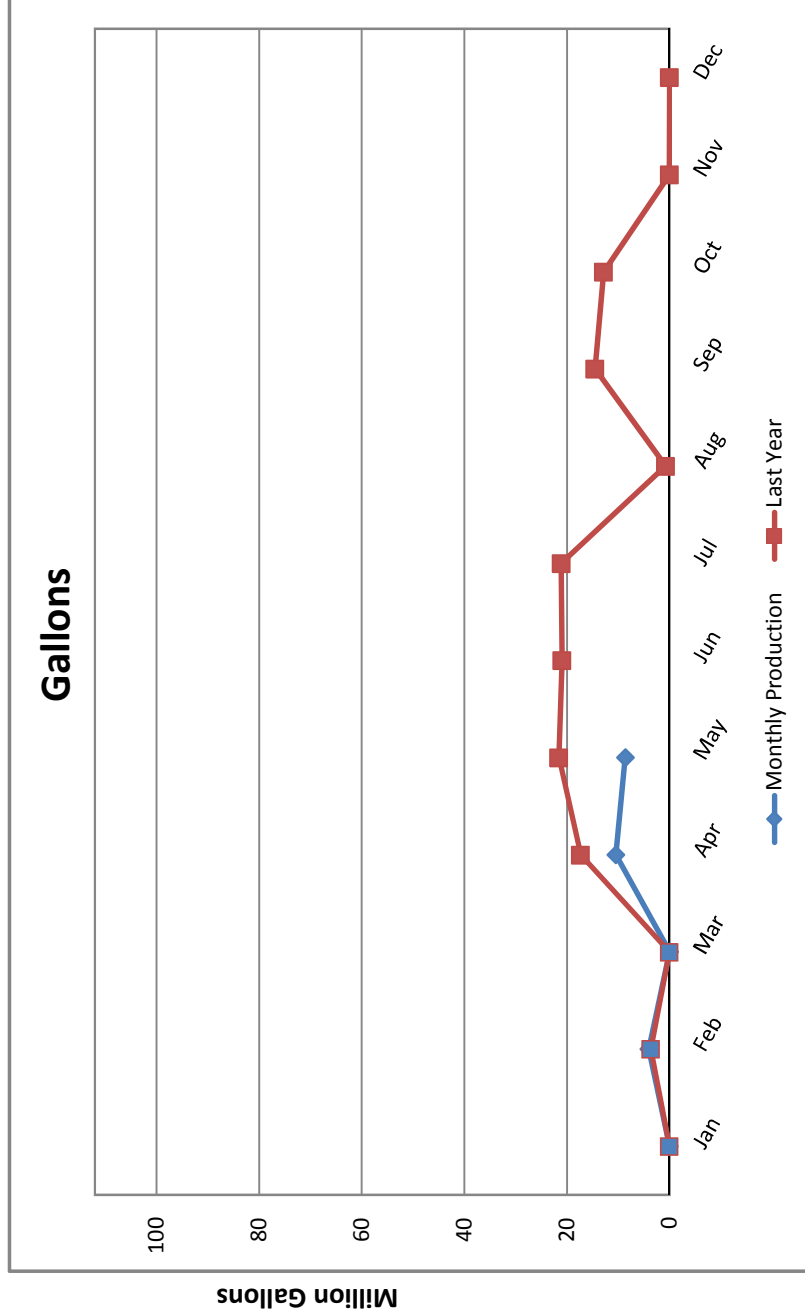
Average GPM: 493

Motor:
Volts: 180
Volts (Rated): 460

Amps A: 58
Amps A (Rated): 65
Amps B: 57
Amps B (Rated): 65
Amps C: 60
Amps C (Rated): 65

Hour Meter: 290.20
KW Hour Total: 11,547.00

Chlorine:
Dosing: 1.27 mg/L
Demand: 0.55 mg/L
Residual: 0.72 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- May 2017
(Well is offline)

Selected Month Production
0 Gallons

Average GPM: 0

Motor:

Volts: 460
 Volts (Rated): 460
 RPM: 1785
 RPM (Rated): 1785
 Amps A: 142
 Amps A (Rated): 142
 Amps B: 142
 Amps B (Rated): 142
 Amps C: 142
 Amps C (Rated): 142

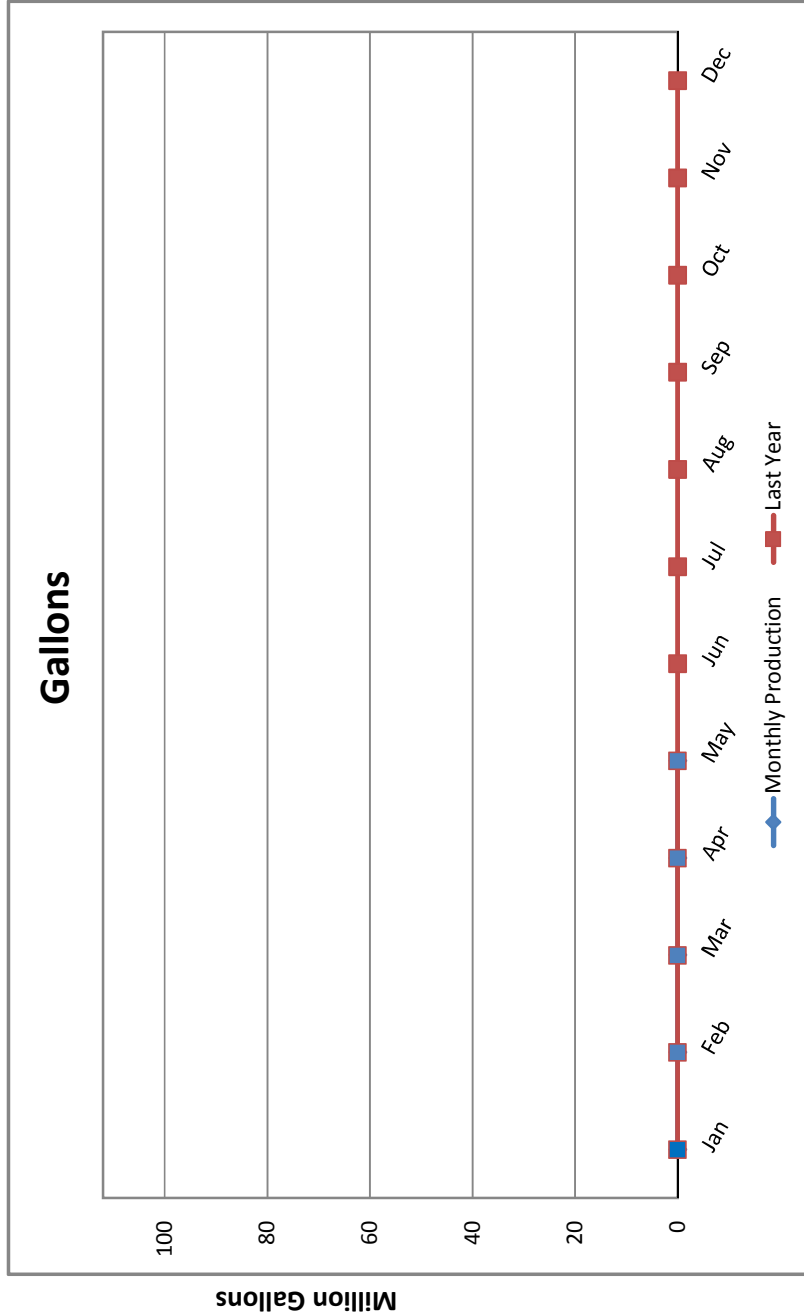
Motor Temp.: 0.00
 Hour Meter: 0.00
 KW Hour Total: 0.00

Chlorine:

Dosing: 0 mg/L
 Demand: 0 mg/L
 Residual: 0 mg/L

Vibration Reading:

Base Line: 0.02 in/sec
 Current:





Elk Grove Water District

Combined Total Production

Service Area 1

May-2017

Current Month Production:

137,599,305 Gallons

Highest Day Demand of the Month:

5,562,000

Date of Occurrence

22-May-17

Highest Day Demand of the Calendar Year:

5,562,000

Date of Occurrence

22-May-17

"Water Year" Rainfall: (Oct-16 to Sep-17)

Current Month: 0.05 in

Year To Date: 32.98 in

"Water Year" Rainfall: (Oct-15 to Sep-16)

May 2016 0.39 in

Year To Date: 16.19 in

Last Year Total: 16.19 in

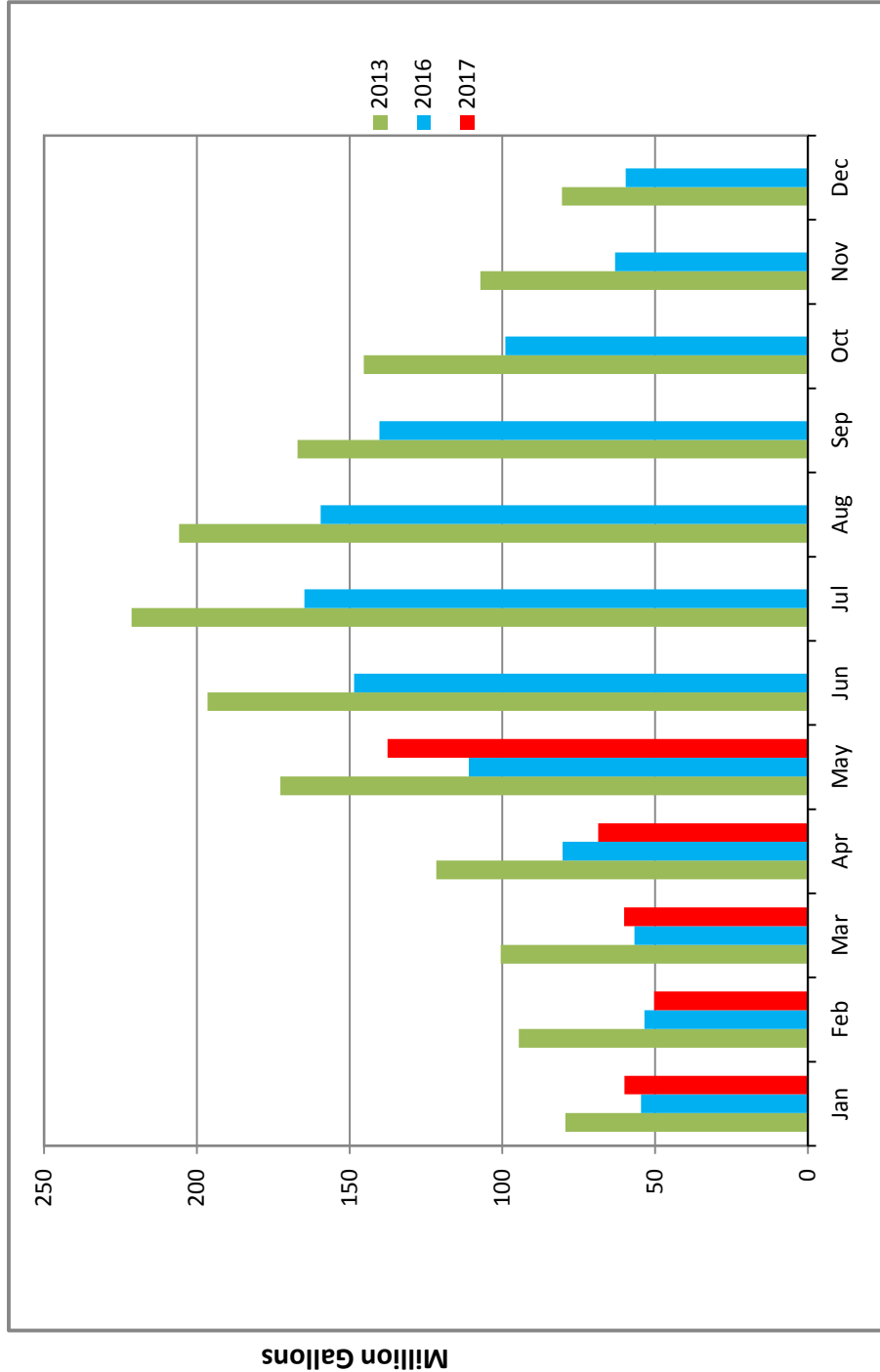
Temperature:

This Month High 99 F

This Month Low 43 F

MAY-16 High 101 F

MAY-16 Low 49 F

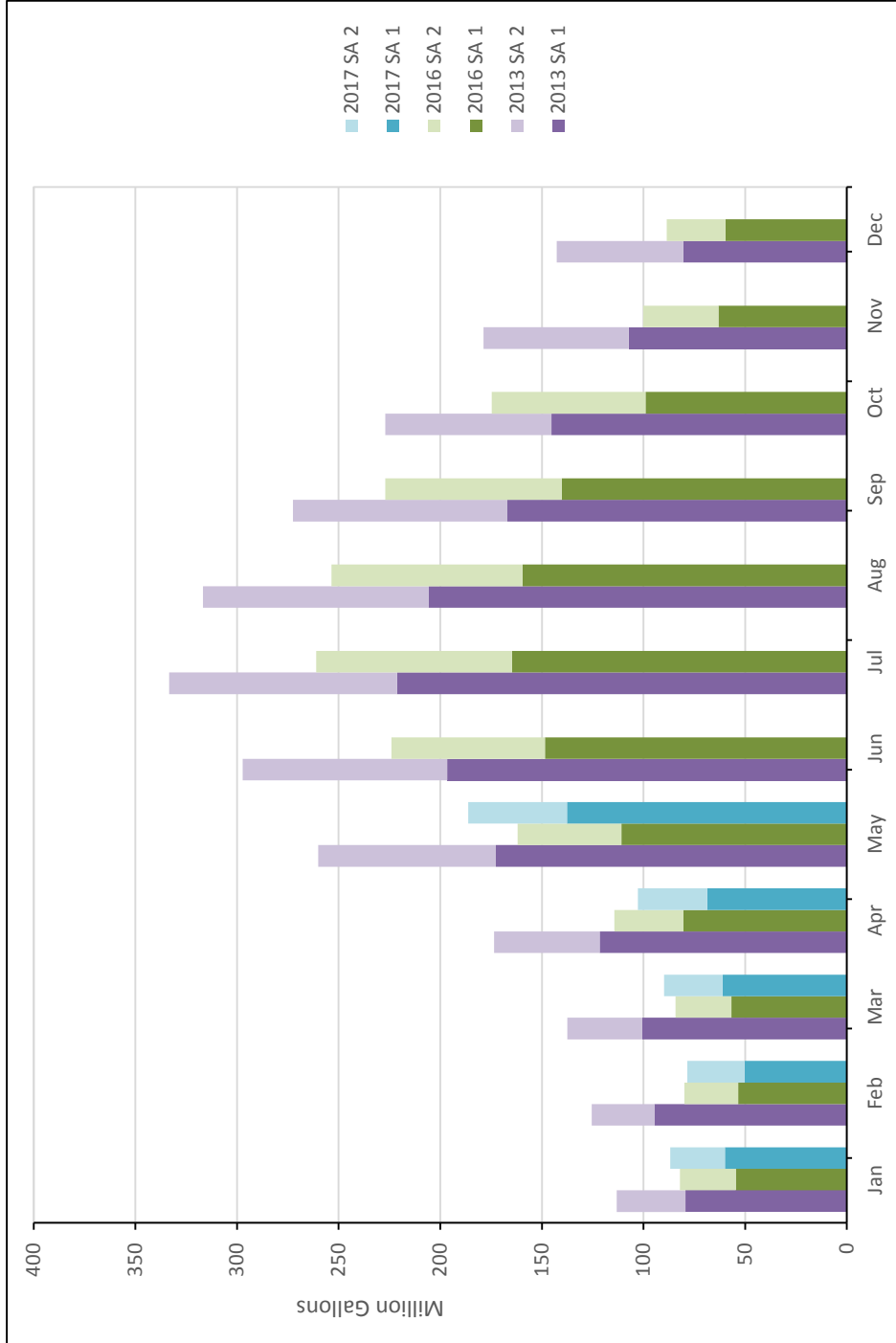




Elk Grove Water District

Total Demand/Production

May-2017



Current Month Demand/Production:
186,252,965 Gallons
Reduction From May 2013: 28.39%
GPCD: 134.0 Gallons per Day
R-GPCD: 113.9 Gallons per Day

Service Area 1
Active Connections: 7,921
Current Month Demand/Production:
137,599,305 Gallons
Reduction From May 2013: 20.29%
GPCD: 155.7 Gallons per Day
R-GPCD: 129.2 Gallons per Day

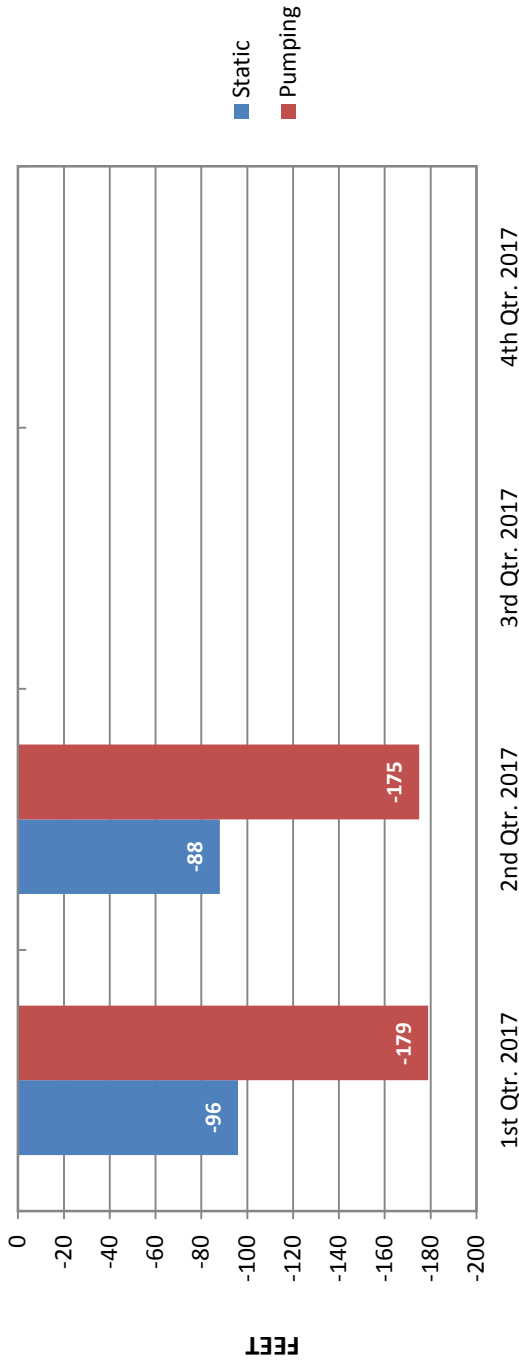
Service Area 2
Active Connections: 4,406
Current Month Demand/Production:
48,653,660 Gallons
Reduction From May 2013: 44.38%
GPCD: 96.1 Gallons per Day
R-GPCD: 84.5 Gallons per Day



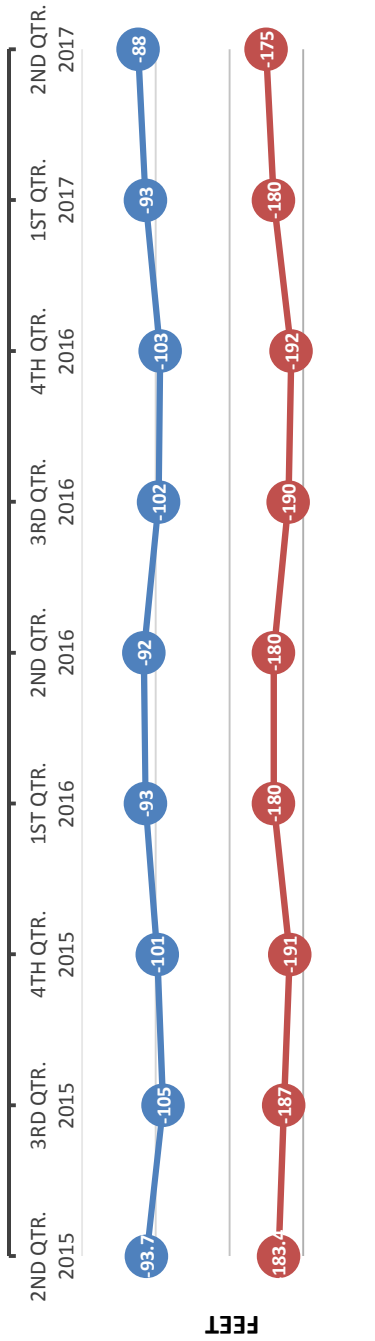
Elk Grove Water District

Static and Pumping Levels

Well 1D School St



Sounding Quarter/Year



Latest Well Sounding

Static: 88 Ft
Pumping: 175 Ft
Drawdown: 87 Ft
GPM: 1,838.00
Specific Capacity: 21.126

Latest Sand Tester Results:

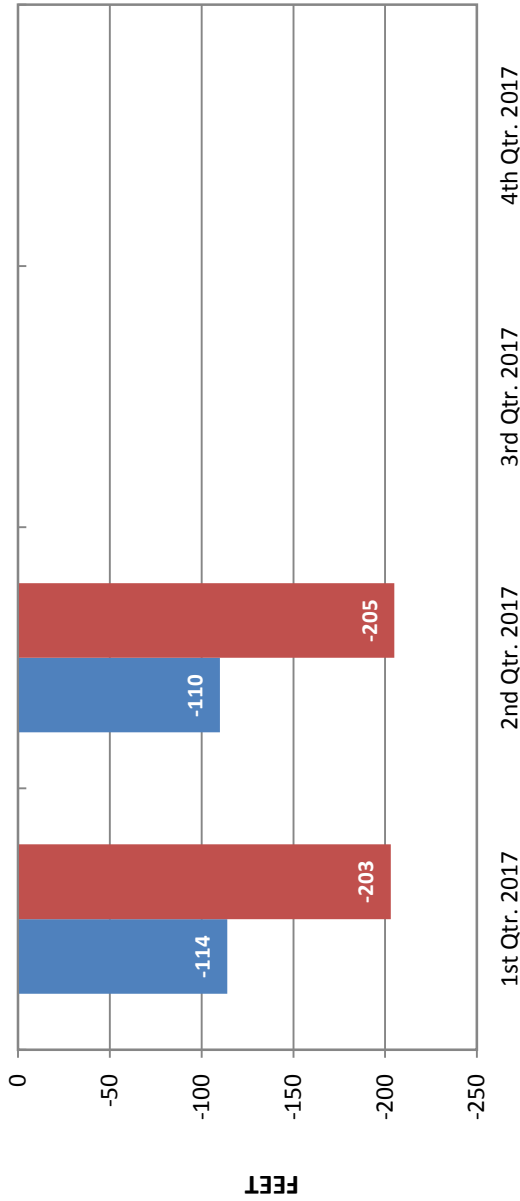
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 4D Webb St

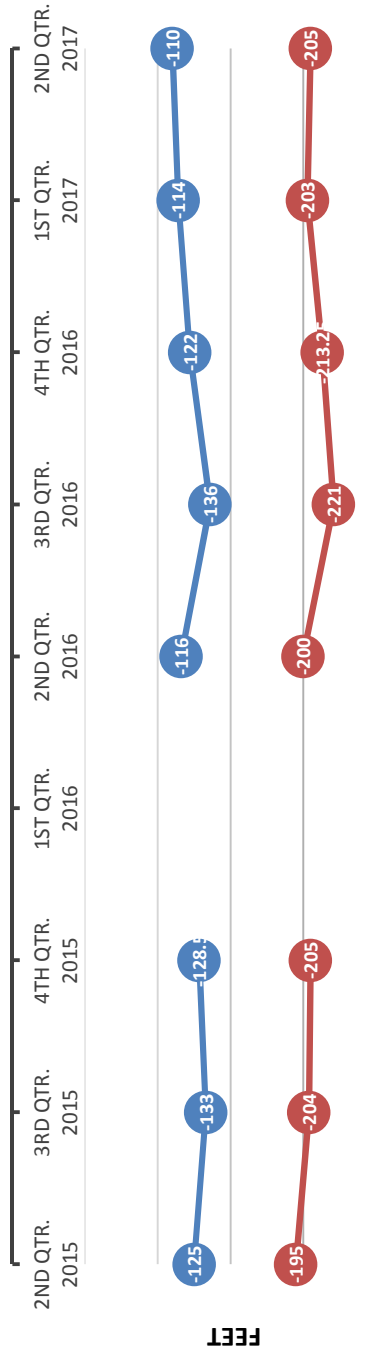


Latest Well Sounding

Static: 110 Ft
Pumping: 205 Ft
Drawdown: 95 Ft
GPM: 1,731.00
Specific Capacity: 18.221

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

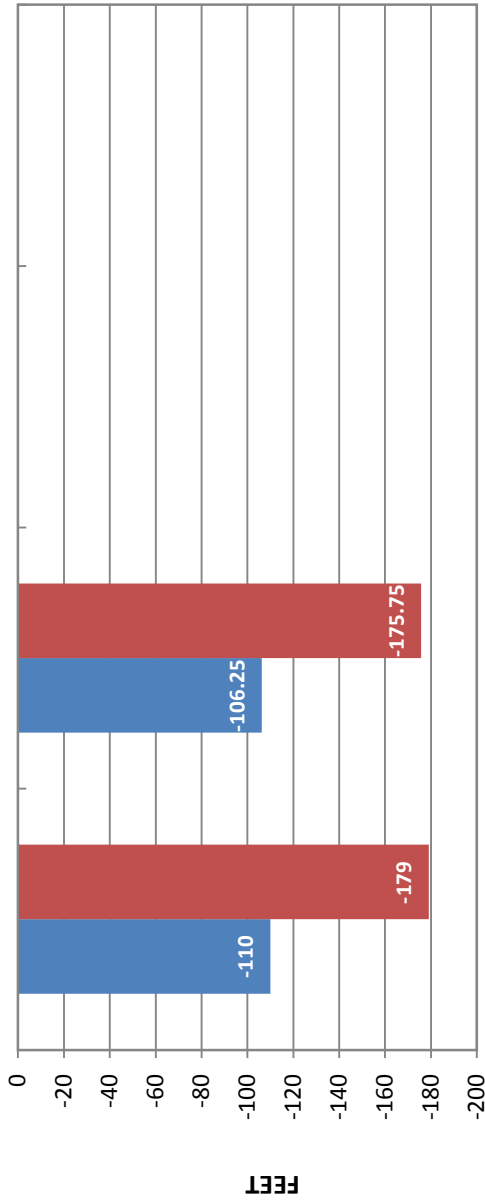
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

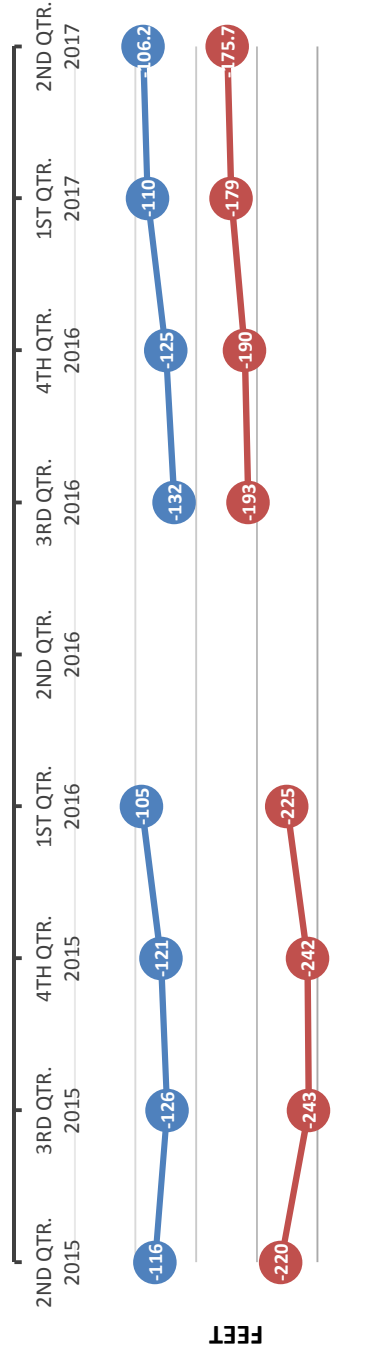
Well 11D Dino



Latest Well Sounding

Static: 106.25 Ft
Pumping: 175.75 Ft
Drawdown: 69.5 Ft
GPM: 1,817.00
Specific Capacity: 26.144

Sounding Quarter/Year



Latest Sand Tester Results:

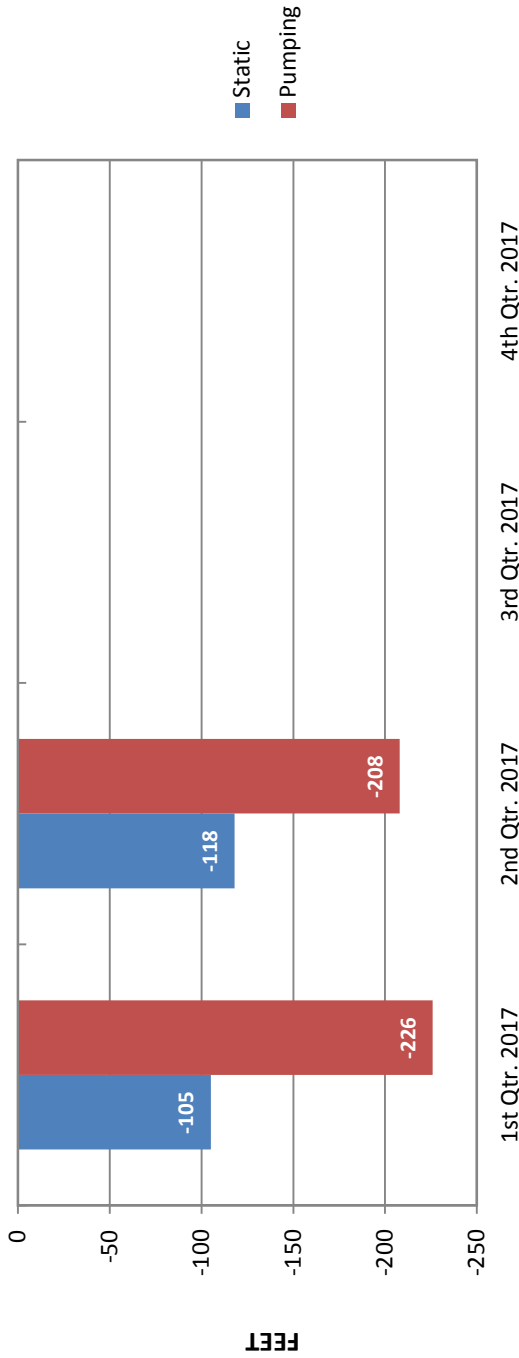
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

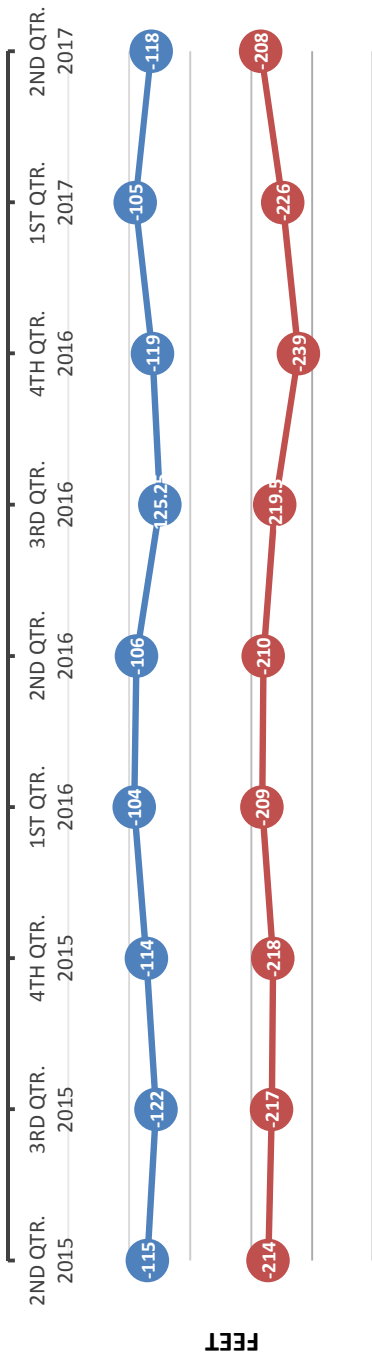
Well 14D Railroad



Latest Well Sounding

Static: 118 Ft
Pumping: 208 Ft
Drawdown: 90 Ft
GPM: 1,617.00
Specific Capacity: 17.967

Sounding Quarter/Year



Latest Sand Tester Results:

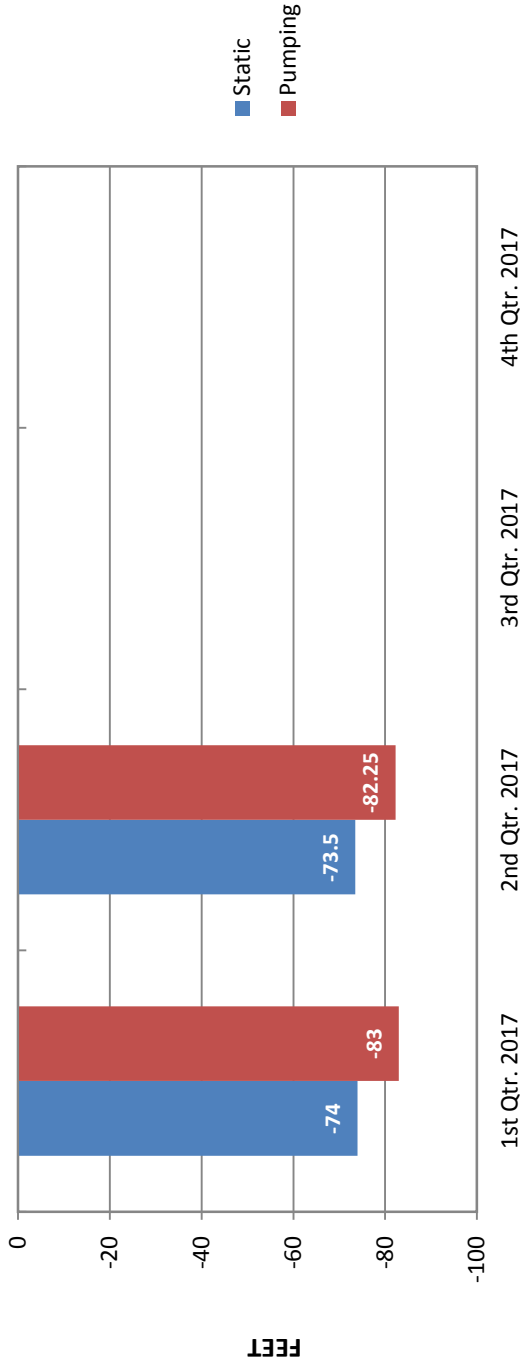
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

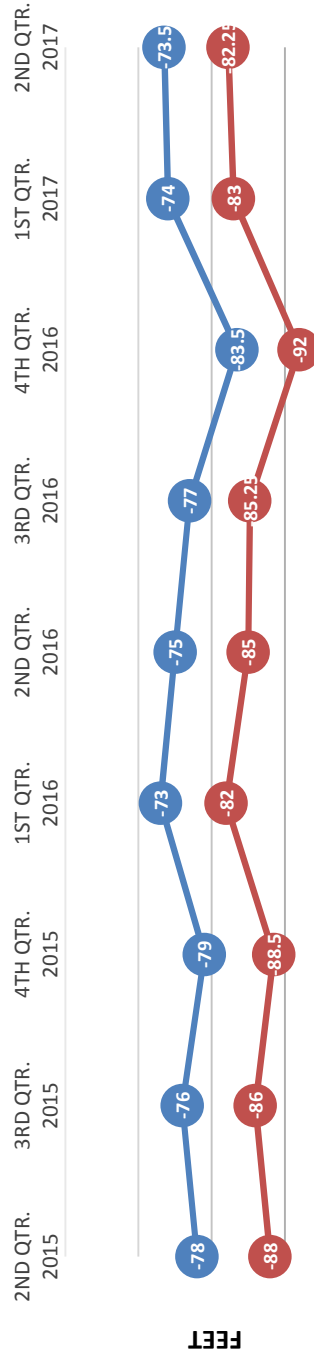
Well 3 Mar-Val



Latest Well Sounding

Static: 73.5 Ft
 Pumping: 82.25 Ft
 Drawdown: 8.75 Ft
 GPM: 900.00
 Specific Capacity: 102.857

Sounding Quarter/Year



Latest Sand Tester Results:

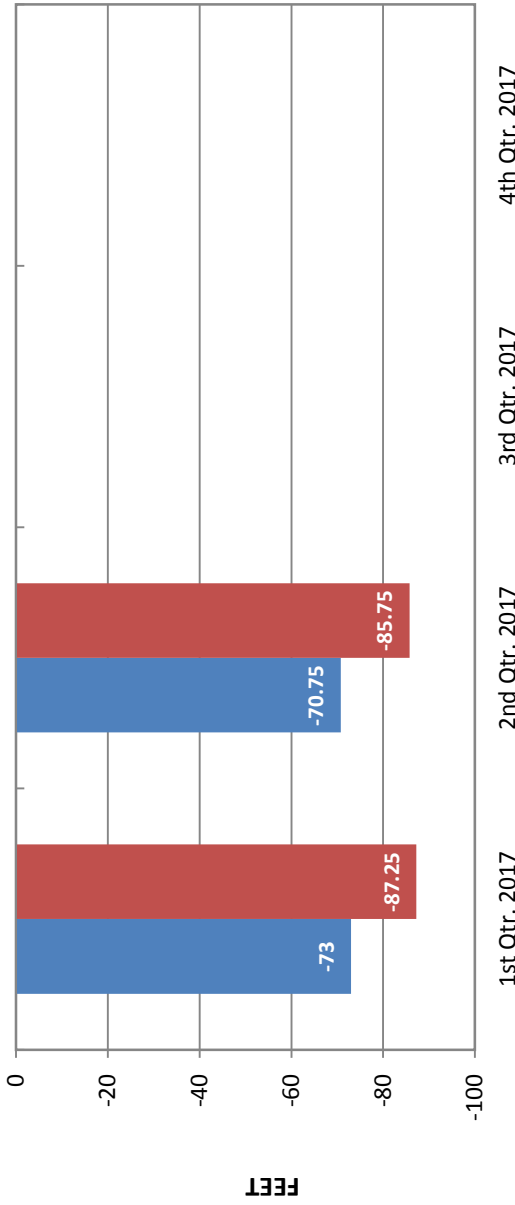
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson

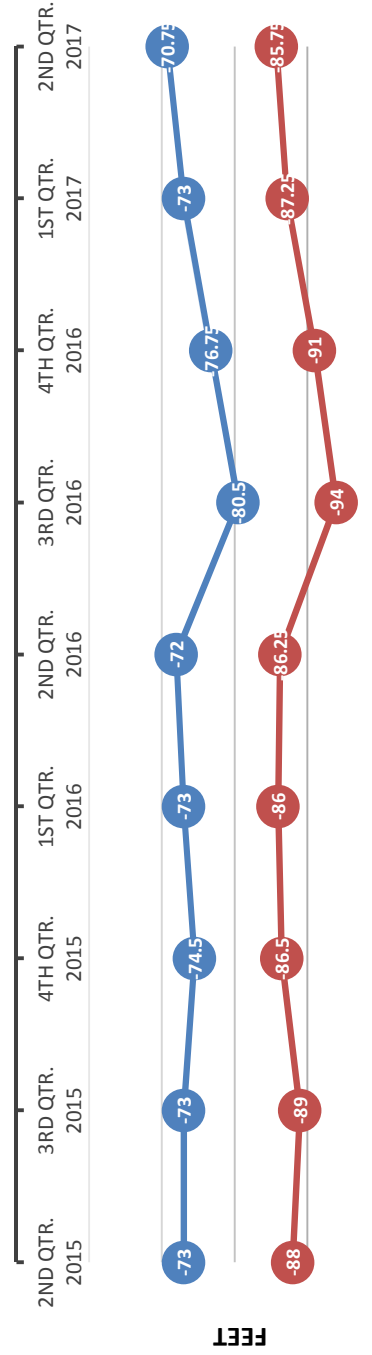


Latest Well Sounding

Static: 70.75 Ft
 Pumping: 85.75 Ft
 Drawdown: 15 Ft
 GPM: 860.00
 Specific Capacity: 57.333

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

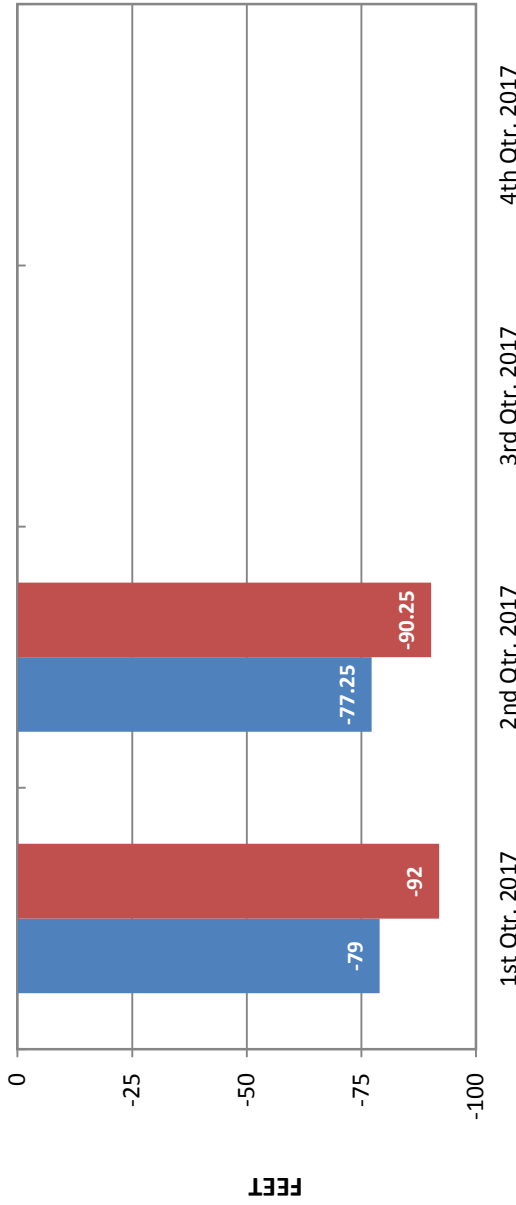
15 Min: 3.52 ppm



Elk Grove Water District

Static and Pumping Levels

Well 9 Polhemus

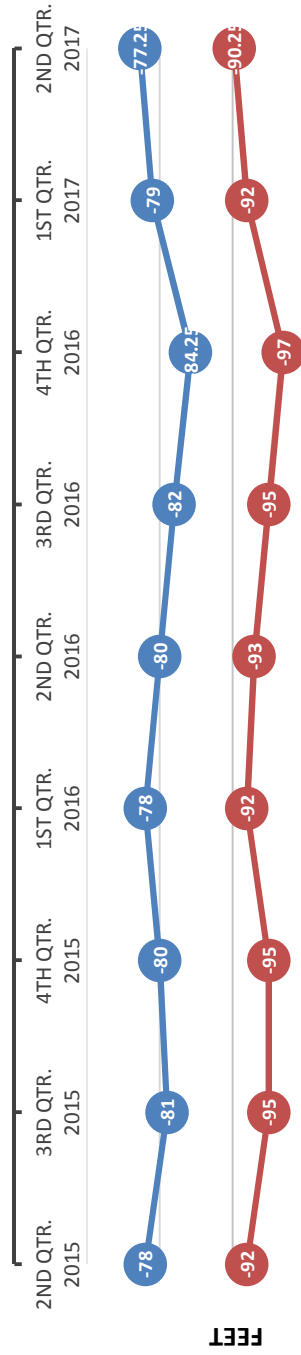


Latest Well Sounding

Static: 77.25 Ft
Pumping: 90.25 Ft
Drawdown: 13 Ft
GPM: 490.00
Specific Capacity: 37.692

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

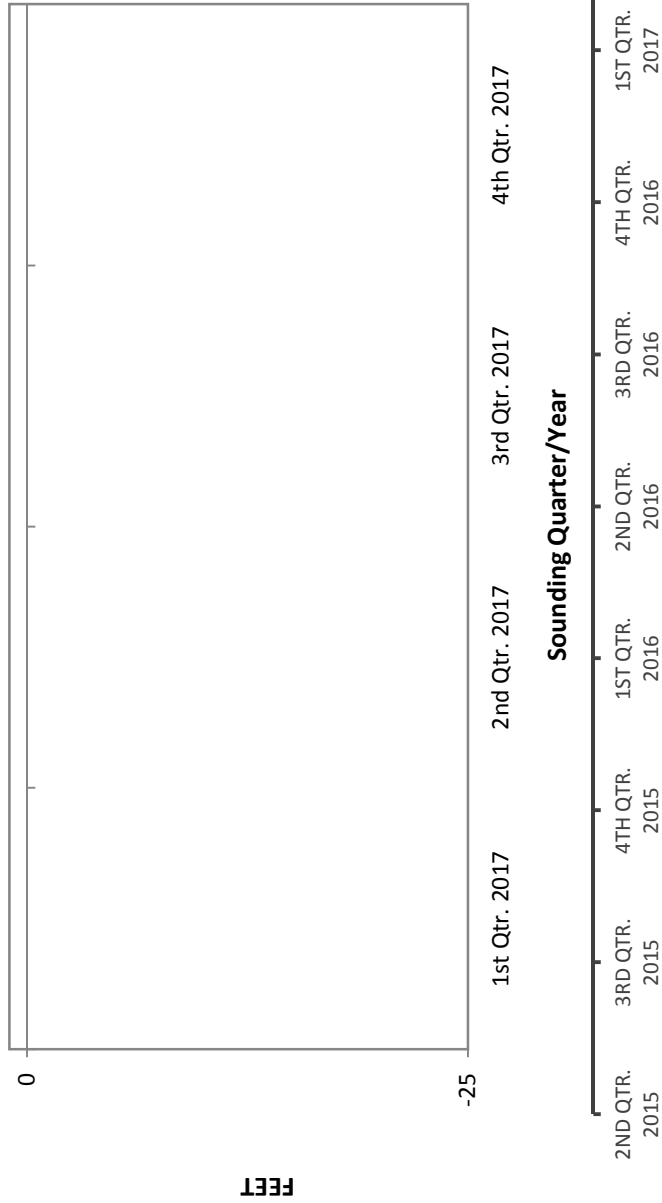
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton

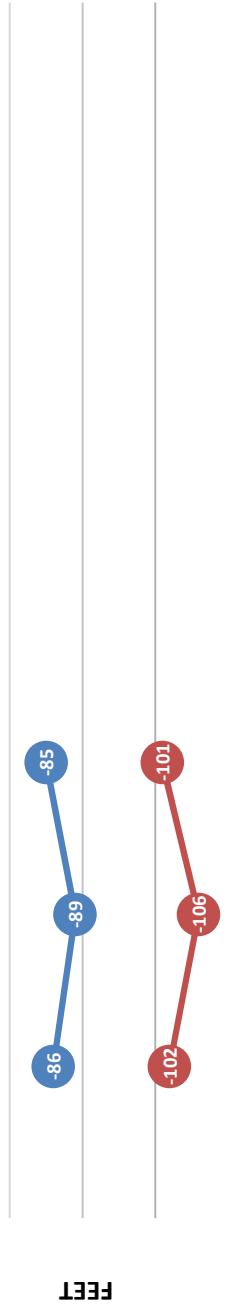


■ Static
■ Pumping

Latest Well Sounding

Static: 85 Ft
Pumping: 101 Ft
Drawdown: 16 Ft
GPM: 990.00
Specific Capacity: 61.875

Latest Sand Tester Results:
 15 Min: < 5 ppm



Monthly Sample Report - May 2017
Water System: Elk Grove Water System

Sampling Point: 01 - 8693 W. Camden			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

Sampling Point: School Well 01D - Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence

Sampling Point: 02 - 9425 Emerald Vista			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

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

Sampling Point: 03 - 8809 Valley Oak			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

Sampling Point: Webb Well 04D - Raw Water		
Sample Date	Sample Class	Collection Occurrence

Sampling Point: 04 - 10122 Glacier Point		
Sample Date	Sample Class	Collection Occurrence
5/2/2017	Distribution System	Week
5/9/2017	Distribution System	Week
5/16/2017	Distribution System	Week
5/23/2017	Distribution System	Week
5/30/2017	Distribution System	Week

Sampling Point: 05 - 9230 Amsden Ct.		
Sample Date	Sample Class	Collection Occurrence
5/2/2017	Distribution System	Week
5/9/2017	Distribution System	Week
5/16/2017	Distribution System	Week
5/23/2017	Distribution System	Week
5/30/2017	Distribution System	Week

Sampling Point: 06 - 9227 Rancho Dr.		
Sample Date	Sample Class	Collection Occurrence
5/2/2017	Distribution System	Week
5/9/2017	Distribution System	Week
5/16/2017	Distribution System	Week
5/23/2017	Distribution System	Week
5/30/2017	Distribution System	Week

Sampling Point: 07 - AI Gates Park Mainline Dr.		
Sample Date	Sample Class	Collection Occurrence
5/2/2017	Distribution System	Week
5/9/2017	Distribution System	Week
5/16/2017	Distribution System	Week
5/23/2017	Distribution System	Week
5/30/2017	Distribution System	Week

Sampling Point: - Williamson Well 8 Raw Water			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Source Water	3 mo - Bacteriological	Quarterly
5/2/2017	Source Water	3 mo - Fe,Mn,As Total	Quarterly
5/2/2017	Source Water	3 mo - Fe,Mn,As Dissolved	Quarterly

Sampling Point: 09 - 9436 Hollow Springs Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

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

Sampling Point: 09 - 8417 Blackman Wy.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

Sampling Point: 10 - 9373 Oreo Ranch Cir.			
Sample Date	Sample Class	Sample Name	Collection Occurrence
5/2/2017	Distribution System	Bacteriological	Week
5/9/2017	Distribution System	Bacteriological	Week
5/16/2017	Distribution System	Bacteriological	Week
5/23/2017	Distribution System	Bacteriological	Week
5/30/2017	Distribution System	Bacteriological	Week

Sampling Point: Dino Well 11D - Raw Water		
Sample Date	Sample Class	Collection Occurrence
	Sample Name	
Sampling Point: Hampton Well 13 - Raw Water		
Sample Date	Sample Class	Collection Occurrence
	Sample Name	
Sampling Point: Hampton WTP Effluent		
Sample Date	Sample Class	Collection Occurrence
	Sample Name	
Sampling Point: Hampton WTP Backwash Tank		
Sample Date	Sample Class	Collection Occurrence
	Sample Name	
Sampling Point: Railroad Well 14D - Raw Water		
Sample Date	Sample Class	Collection Occurrence
5/16/2017	Source Water	Quarterly
5/16/2017	Source Water	Quarterly
5/16/2017	Source Water	Quarterly
5/16/2017	Source Water	Quarterly
	3 mo - Bacteriological	
	3 mo - Fe,Mn,As Total	
	3 mo - Fe,Mn,As Dissolved	
	Oder Threshold	
Sampling Point: Railroad WTP Effluent		
Sample Date	Sample Class	Collection Occurrence
5/2/2017	Treated Plant Effluent	Month
5/2/2017	Treated Plant Effluent	Month
	WTP Eff - Fe,Mn,As,Al Total	
	WTP Eff - Fe,Mn,As,Al Dissolved	
Sampling Point: Special Distribution/Construction Samples		
Sample Date	Sample Class	Collection Description
5/1/2017	Raw Water	Well 14D Rehab
5/1/2017	Raw Water	Well 14D Rehab
5/2/2017	Raw Water	Well 14D Rehab
5/2/2017	Raw Water	Well 14D Rehab
5/4/2017	Raw Water	Well 14D Rehab
5/16/2017	Raw Water	Well 14D Rehab
5/16/2017	Raw Water	Well 14D Rehab
5/26/2017	Distribution System	Water main repair

5/15/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing
5/17/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing
5/18/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing
5/22/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing
5/23/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing
5/24/2017	Raw Water	Fe, Mn, Total	Well 13 Chemical Feed Testing

Yearly Total

268

45

0

Monthly Total

56

17

0

Colors

Black = Scheduled

Green = Unscheduled

Red = Incomplete Sample



June 5, 2017

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

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING

Enclosed is the Monthly Summary of Distribution System Coliform Monitoring report from Elk Grove Water District for May 2017.


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

A handwritten signature in blue ink, appearing to read 'Steve Shaw', is positioned above the typed name.

STEVE SHAW
WATER TREATMENT SUPERVISOR

MONTHLY SUMMARY OF REVISED TOTAL COLIFORM RULE DISTRIBUTION SYSTEM MONITORING
(including triggered source monitoring for systems subject to the Groundwater Rule)

System Name <p align="center">Elk Grove Water District</p>	System Number <p align="center">3410008</p>
Sampling Period <p align="center">May</p>	Year <p align="center">2017</p>

	Number Required	Number Collected	Number Total Coliform Positives	Number E.coli Positives
1. Routine Samples (see note 1)	<u>50</u>	<u>50</u>	<u>0</u>	<input type="text"/>
2. Repeat Samples following samples that are Total Coliform Positive and <i>E.coli</i> Negative (see notes 10 and 11)		<u>0</u>	<u>0</u>	<input type="text"/>
3. Repeat Samples following Routine Samples that are Total Coliform Positive and <i>E. coli</i> Positive (see notes 10 and 11)		<u>0</u>	<input type="text"/>	<input type="text"/>
4. Treatment Technique (TT)/MCL Violation Computation for Total Coliform/ <i>E. coli</i> Positive Samples				
a. Totals (sum of columns)	<u>50</u>	<u>50</u>	<u>0</u>	<input type="text"/>
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] =	<u>0</u>	%		
c. Did the system trigger... a Level 2 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 Level 1 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)		<u>0</u>	<u>0</u>	<input type="text"/>
6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)				
7. Summary Completed By: Steve Shaw				
Signature 	Title <p align="center">Water Treatment Supervisor</p>	Date <p align="right">6/5/2017</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.**



June 5, 2017

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

MONTHLY COMPLIANCE REPORT

Enclosed is the Monthly Compliance Report Form from Elk Grove Water District for May 2017.

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

A handwritten signature in blue ink, appearing to read "Steve Shaw", is written over a horizontal line.

STEVE SHAW
WATER TREATMENT SUPERVISOR

COMPLIANCE REPORT FORM

Attn: Tom Martin	E-mail: martinth@sacsewer.com	Wastewater Source Control Section
Phone (916) 876-7296		Fax (916) 875-6374
From: Steve Shaw		
Company: Elk Grove Water District		Permit # WTP010

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

Month:	May	Year:	2017
---------------	------------	--------------	-------------

Water use/flow meter report
 Hampton WTP - 74526
 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:

6-5-2017

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	1ST 6-MO.	2ND 6-MO.	Refer.	2017				
Well 14D Railroad	Initials	WQ	WQ																		
	Date	1/4/17	2/6/17			5/9/17															
	W.O.#	14584	14634			14819															
		Sect: 7.1																Sect: 7.2		Sect: 7.3	
Well 4D Webb	Initials	WQ	WQ	WQ	WQ	AH															
	Date	1/5/17	2/2/17	3/27/17	4/3/17	5/11/17															
	W.O.#	14586	14633	14683	14764	14820															
		Sect: 8.1																Sect: 8.2		Sect: 8.3	
Well 11D Pino	Initials	WQ	WQ	WQ	AH	WQ															
	Date	1/9/17	2/6/17	3/7/17	4/5/17	5/8/17															
	W.O.#	14587	14632	14682	14765	14821															
		Sect: 9.1																Sect: 9.2		Sect: 9.3	
Well 1D School	Initials	WQ	WQ	WQ	WQ	AH															
	Date	1/3/17	2/6/17	3/8/17	4/6/17																
	W.O.#	14585	14635	14684	14766	14822															
		Sect: 13.1																Sect: 13.2		Sect: 13.3	
Well 3 Mar-Val	Initials	WQ	WQ	WQ	AH	AH															
	Date	1/10/17	2/8/17	3/20/17	4/12/17	5/11/17															
	W.O.#	14588	14636	14685	14767	14823															
		Sect: 12.1																Sect: 12.2		Sect: 12.4	
Well 8 Williamson	Initials	AH	WQ	WQ	AH	AH															
	Date	1/6/17	2/3/17	3/3/17	4/6/17																
	W.O.#	14589	14637	14686	14768	14824															
		Sect: 11.1																Sect: 11.2		Sect: 11.4	
Well 9 Polhemus	Initials	WQ	WQ	WQ	AH	AH															
	Date	1/6/17	2/1/17	3/6/17	4/5/17	5/11/17															
	W.O.#	14590	14638	14687	14769	14825															
		Sect: TBD																Sect: TBD		Sect: TBD	

☐ = Well offline

Year: 2017

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.	2017		
Clor-Tec System	Section: 4.2	WQ 1/12/17 14591	WQ 2/2/17 14639	WQ 3/6/17 14688	AH 4/17/17 14760	WQ 5/11/17 14815								Section: 4.3	AH/WQ 3/22/17 14693											Section: 4.4	4.4
Filter System	Section: 5.1	WQ 1/25/17 14592	WQ 2/16/17 14640	AH 3/3/17 14689	AH 4/20/17 14761	AH/WQ 5/12/17 14816								Section: 5.2												Section: 5.3	5.3
Backwash System	Section: 2.1	WQ 1/25/17 14593	WQ 2/7/17 14641	WQ 3/6/17 14690	AH 4/21/17 14763	WQ 5/11/17 14817								Section: 2.2												Section: 2.3	2.3
Booster Pumps	Section: 3.1	WQ 1/25/17 14594	AH/WQ 2/22/17 14642	WQ 3/16/17 14691	AH 4/21/17 14762	AH 5/26/17 14818								Section: 3.2												Section: 3.2	3.2
LAB														Section: 1.1	AH 3/13/17 14692											Section: 1.2	1.2
Clear Wells																										Section: 2.4	2.4
MCC																										Section: 1.2	1.2


Year: 2017

Elk Grove Water District

Preventative Maintenance Program

Hampton Village Water Treatment Plant

Item	Monthly												Quarterly			Semi-annual		Annual									
	Refer.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Refer.	1st	2nd	3rd	4th	Refer.	1ST	2ND	6- MO.	Refer.	2017			
Chemical Systems	Section: TBD													Section: TBD						Section: TBD					Section: TBD		
Filter System	Section: TBD													Section: TBD						Section: TBD					Section: TBD		
Backwash System	Section: TBD													Section: TBD						Section: TBD					Section: TBD		
Return Pumps	Section: TBD													Section: TBD						Section: TBD					Section: TBD		
LAB	Initials Date W.O. #													Section: TBD						Section: TBD					Section: TBD		
MCC	Initials Date W.O. #													Section: TBD						Section: TBD					Section: TBD		

 = Plant Offline

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.	2017
Railroad	Initials	WQ	WQ	WQ	WQ	WQ								Section:	TBD
	Date	1/4/17	2/3/17	3/22/17	4/13/17	5/9/17									
	W.O. #	14595	14629	14680	14757	14826									
Webb	Initials	WQ	WQ	WQ	WQ	AH								Section:	TBD
	Date	1/5/17	2/2/17	3/27/17	4/3/17	5/11/17									
	W.O. #	14597	14631	14694	14758	14827									
Dino	Initials	WQ	WQ	WQ	AH	WQ								Section:	TBD
	Date	1/9/17	2/6/17	3/7/17	4/5/17	5/8/17									
	W.O. #	14596	14630	14695	14759	14828									
Hampton	Initials													Section:	TBD
	Date														
	W.O. #														
Admin.	Initials													Section:	TBD
	Date														
	W.O. #														
		= Load Test													

Elk Grove Water District
Backflow Prevention Program 2017

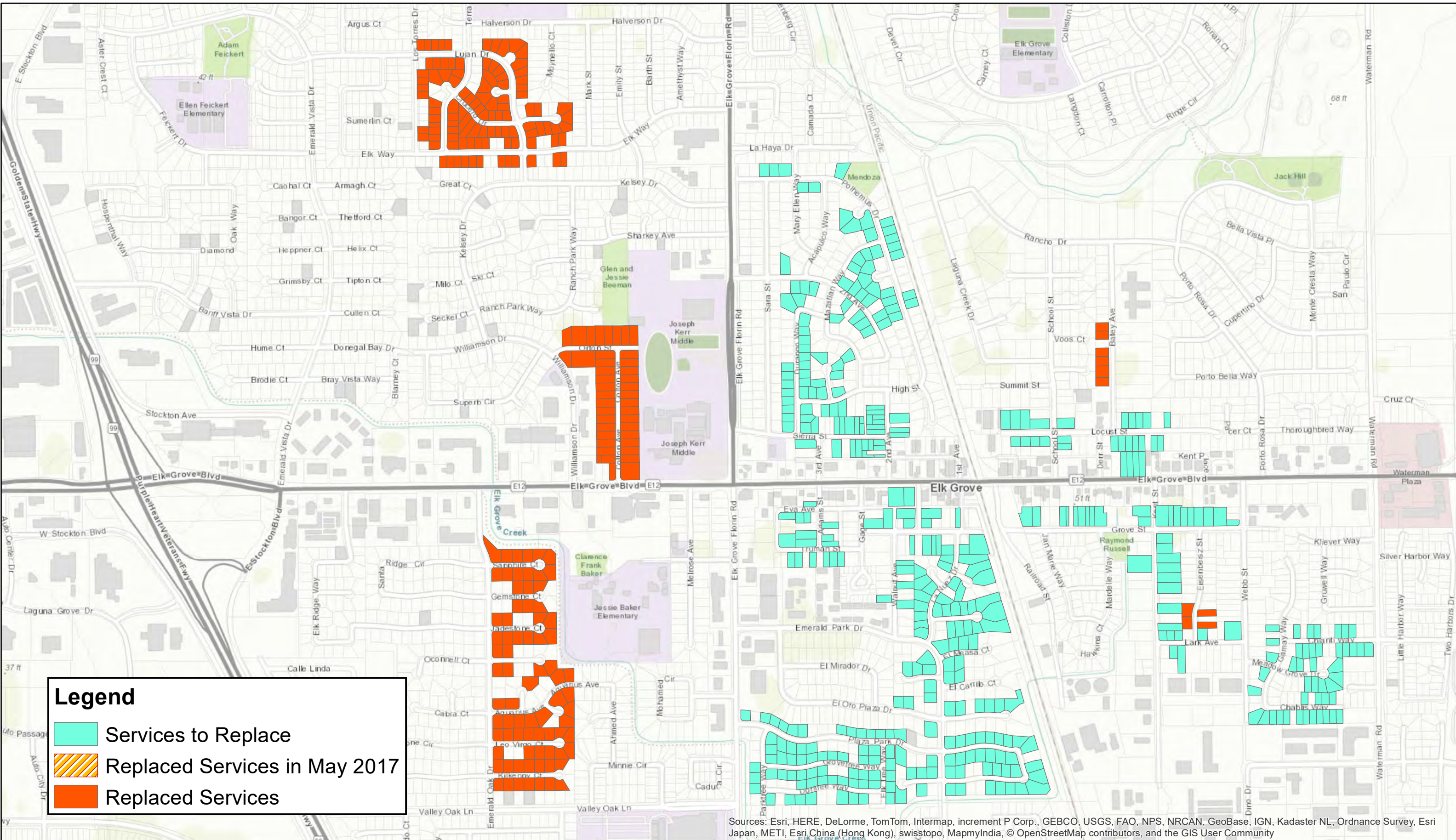
Backflow Device Reports												
CURRENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Notices Issued	39	39	78	13	56							
Assemblies Tested	30	34	56	11	44							
Passed Initial Test	28	29	52	11	41							
Failed Initial Test	2	5	4	0	3							
Failed Devices Retested----Passed	1	5	4		3							
Outstanding Results Due	10	5	22	2	12							

DELINQUENT												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Investigations												
Deactivated Devices												
Schedule Code Changed												
Closed Account												
2nd Notice												
	Sent:	10	5	22	2	12						
	Received:	6	0	0	0	0						
Shut off Notices Issued (Delivered during subsequent month)	4			5								
Test Reports Received From Previous Month(s)		4	5	9	15							
Outstanding Delinquents	4	5	22	2	12							

Total Outstanding Delinquents	12
-------------------------------	----

**Elk Grove Water District
Safety Meetings/Training
May 2017**

Date	Topic	Attendees	Hosted By
5/1/2017	Good Hygiene Keeps Viruses at Bay	Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Jose Mendoza, Wilfredo Quintero, Michael Montiel, Chris Phillips, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner	Steve Shaw
5/8/2017	Worker Beware: Contact w/Energized Electric Equipment Can Be Deadly	Alan Aragon, Jose Carrillo, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Jose Mendoza, Sal Mendoza, Wilfredo Quintero, Michael Montiel, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Erick Watkins
5/15/2017	Keeping Chemical Deliveries Safe	Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Wilfredo Quintero, Michael Montiel, Chris Phillips, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Sarah Jones
5/22/2017	Temperature Extremes Can Be Deadly	Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson	Steve Shaw
5/24/2017	What to do if you find a suspicious package/item?	All Staff Required to Attend	Sarah Jones



Legend

- Services to Replace
- Replaced Services in May 2017
- Replaced Services

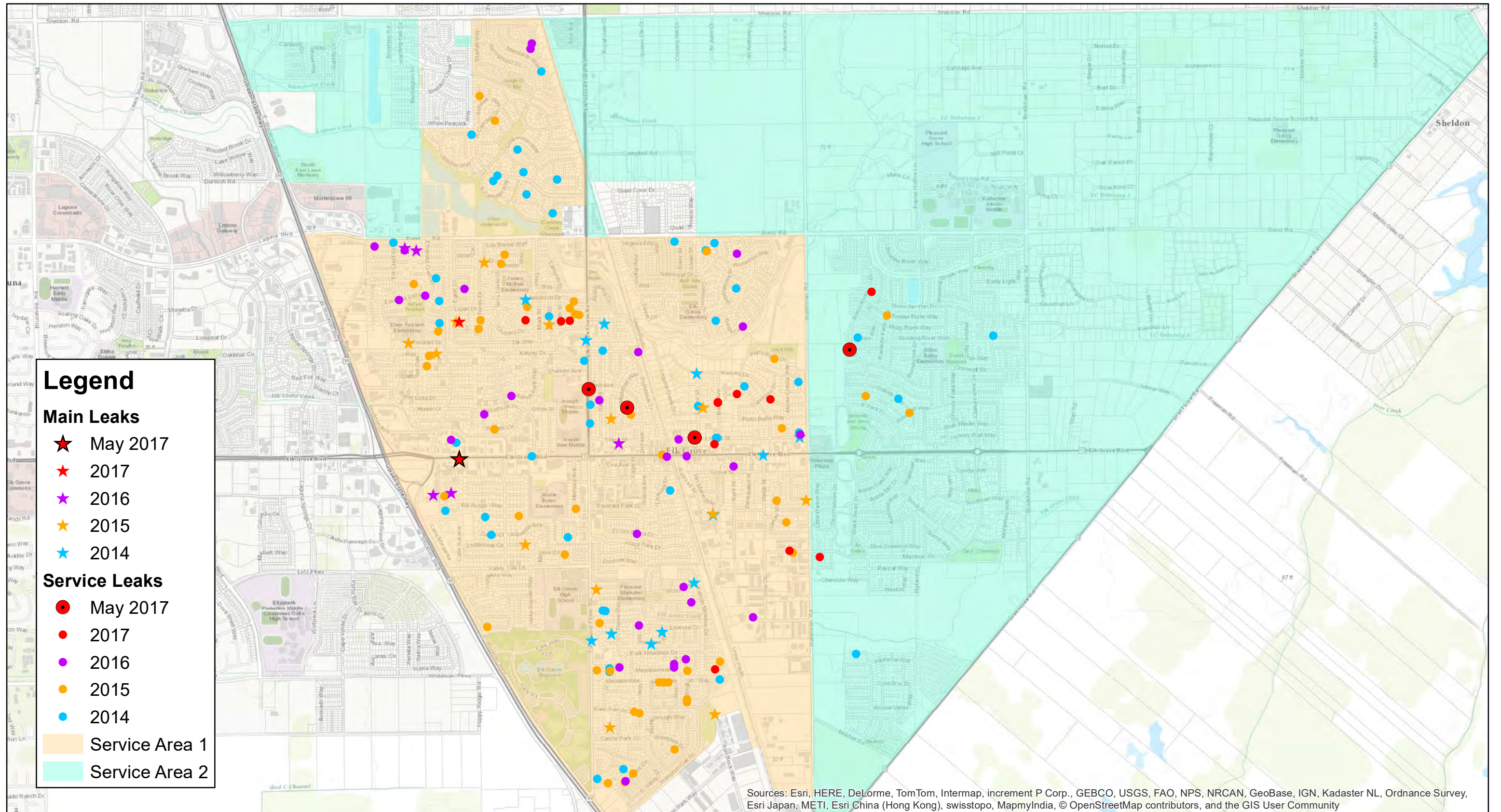
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Services to Replace: 400
Services Replaced in May 2017: 0
Total Service Replaced: 229

Elk Grove Water District

Service Line Replacement

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: June 6, 2017 38



Legend

Main Leaks

- ★ May 2017
- ★ 2017
- ★ 2016
- ★ 2015
- ★ 2014

Service Leaks

- May 2017
- 2017
- 2016
- 2015
- 2014

■ Service Area 1

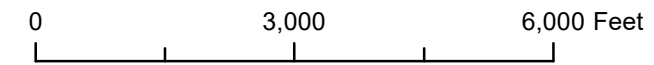
■ Service Area 2

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

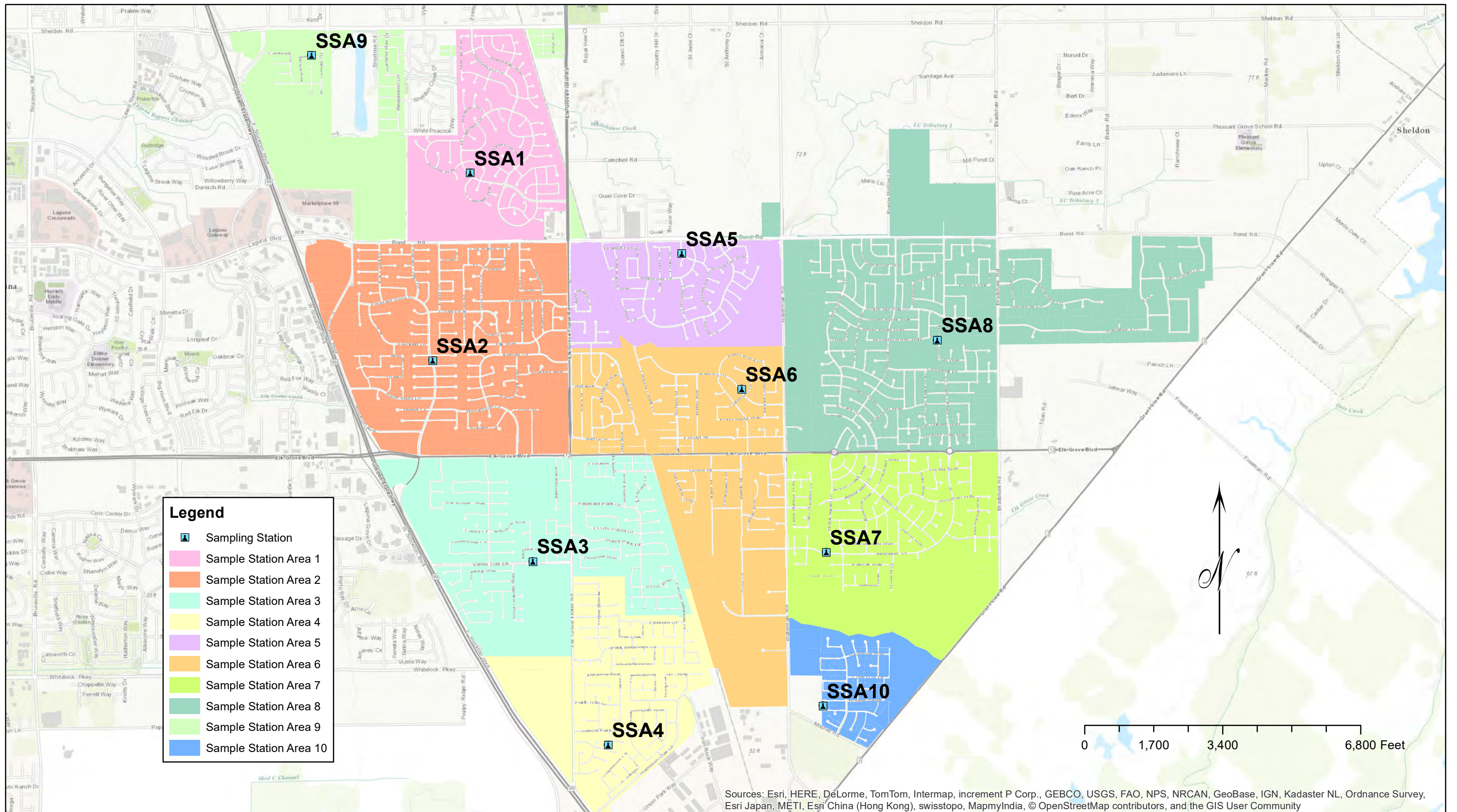
May 2017	
Main Line Leaks: 1	YTD: 2
Service Line Leaks: 4	YTD: 16
Total Leaks: 5	YTD: 18



Elk Grove Water District Main and Service Line Leaks Map



Elk Grove Water District
Service / Main Leaks
Created by: Travis Franklin
Date: June 6, 2017



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

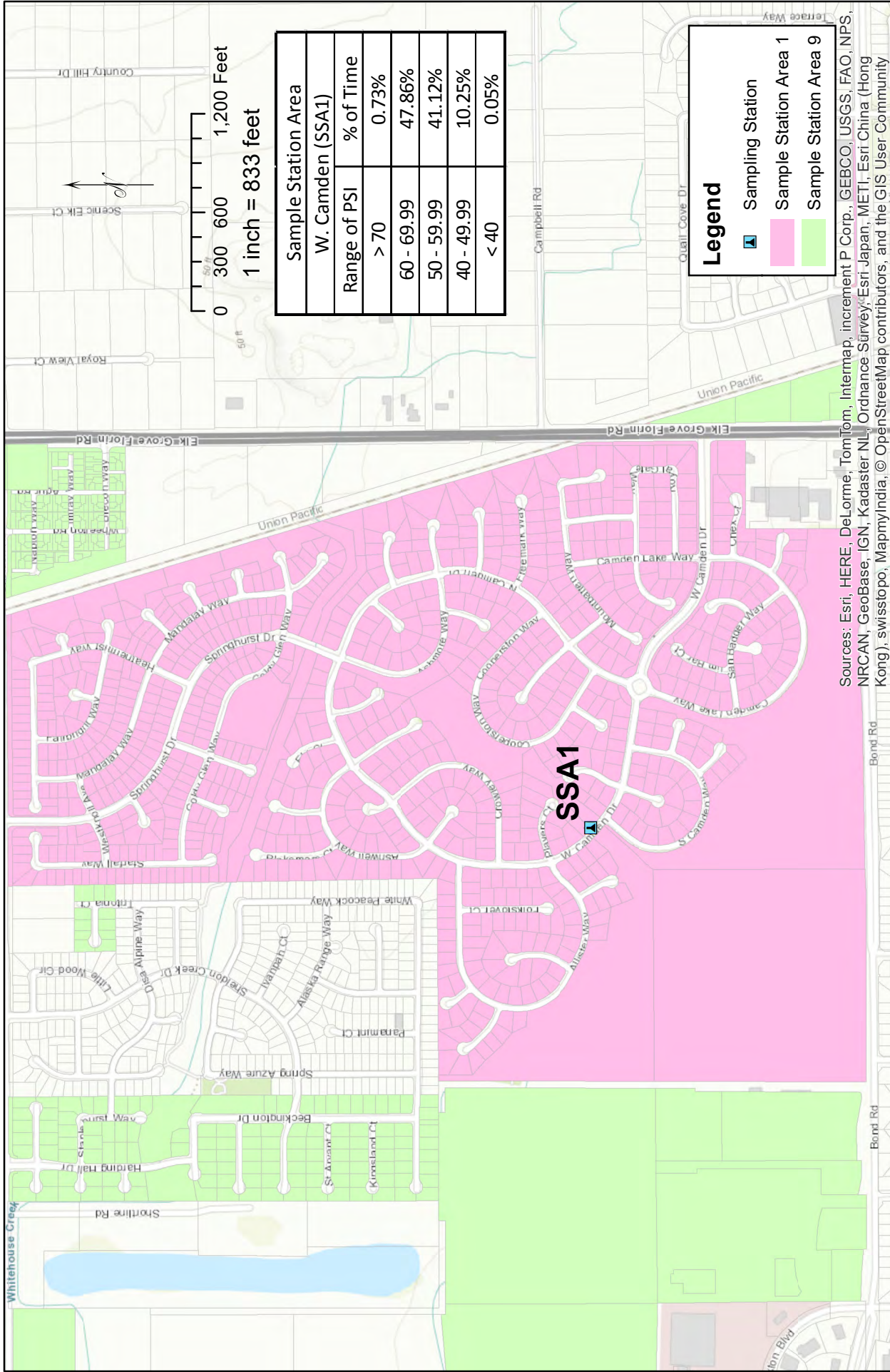
Sample Stations: 10



Elk Grove Water District

Sample Station Areas

Projected Coordinate System: NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Modified by: Travis Franklin
June 7, 2017



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

Elk Grove Water District

System Pressure Monitoring

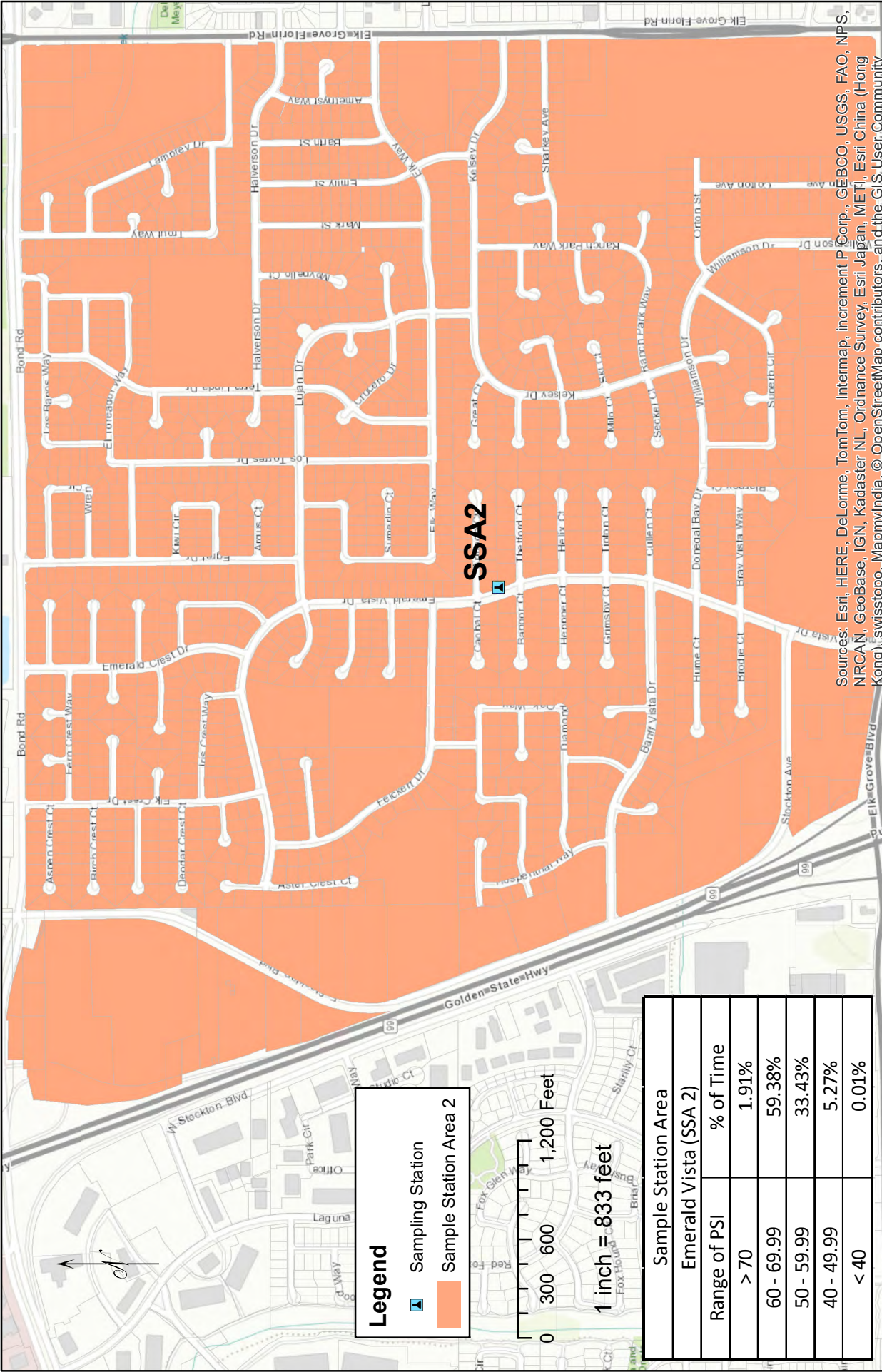


Sample Station #1

Note: Sample Station takes a reading every 5 minutes.

May 2017

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source:EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017



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	1.91%
60 - 69.99	59.38%
50 - 59.99	33.43%
40 - 49.99	5.27%
< 40	0.01%

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



Elk Grove Water District

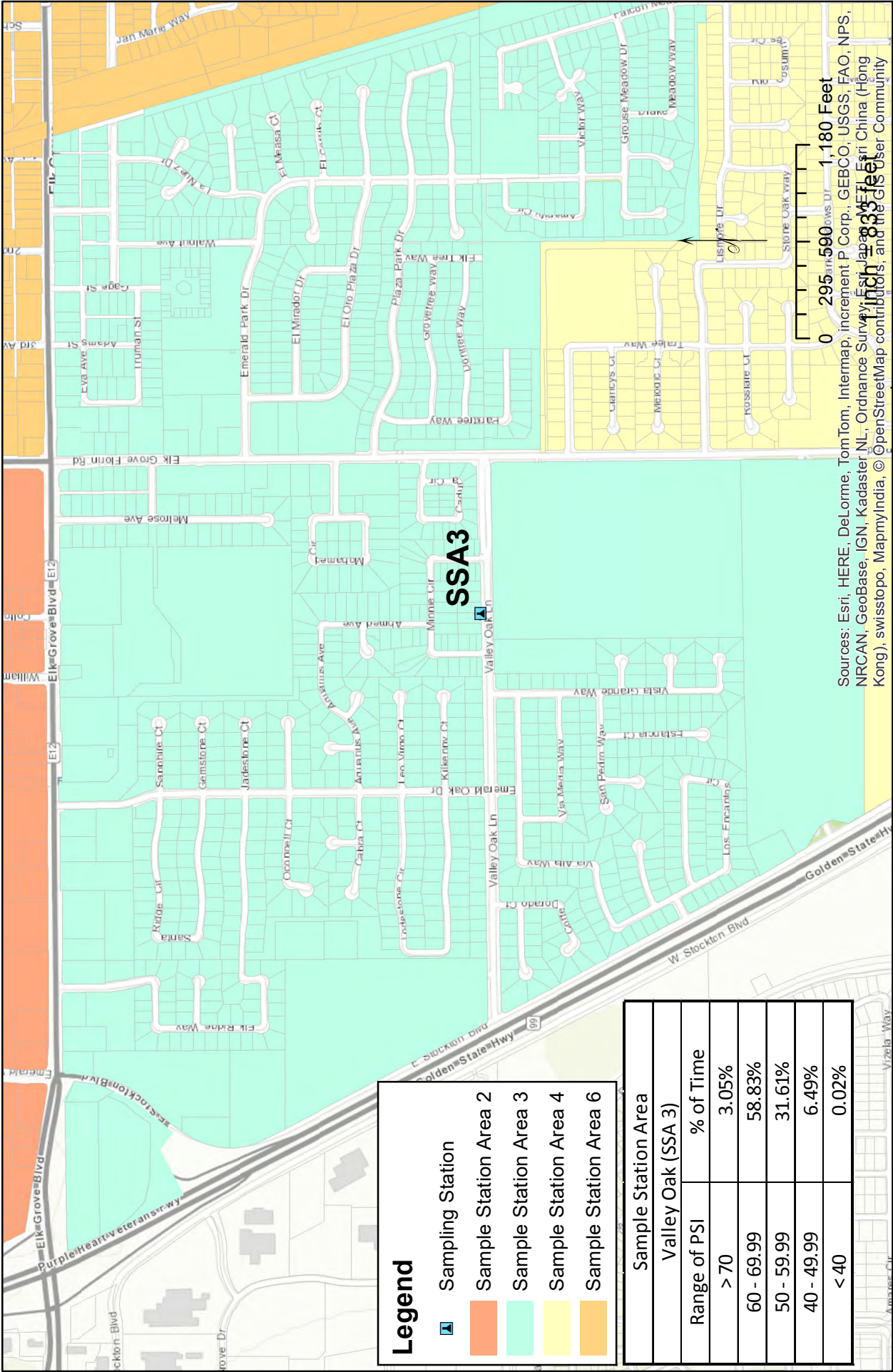
System Pressure Monitoring

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017

Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

May 2017



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	3.05%
60 - 69.99	58.83%
50 - 59.99	31.61%
40 - 49.99	6.49%
< 40	0.02%

Sample Station #3

Note: Sample Station takes a reading every 5 minutes.

May 2017

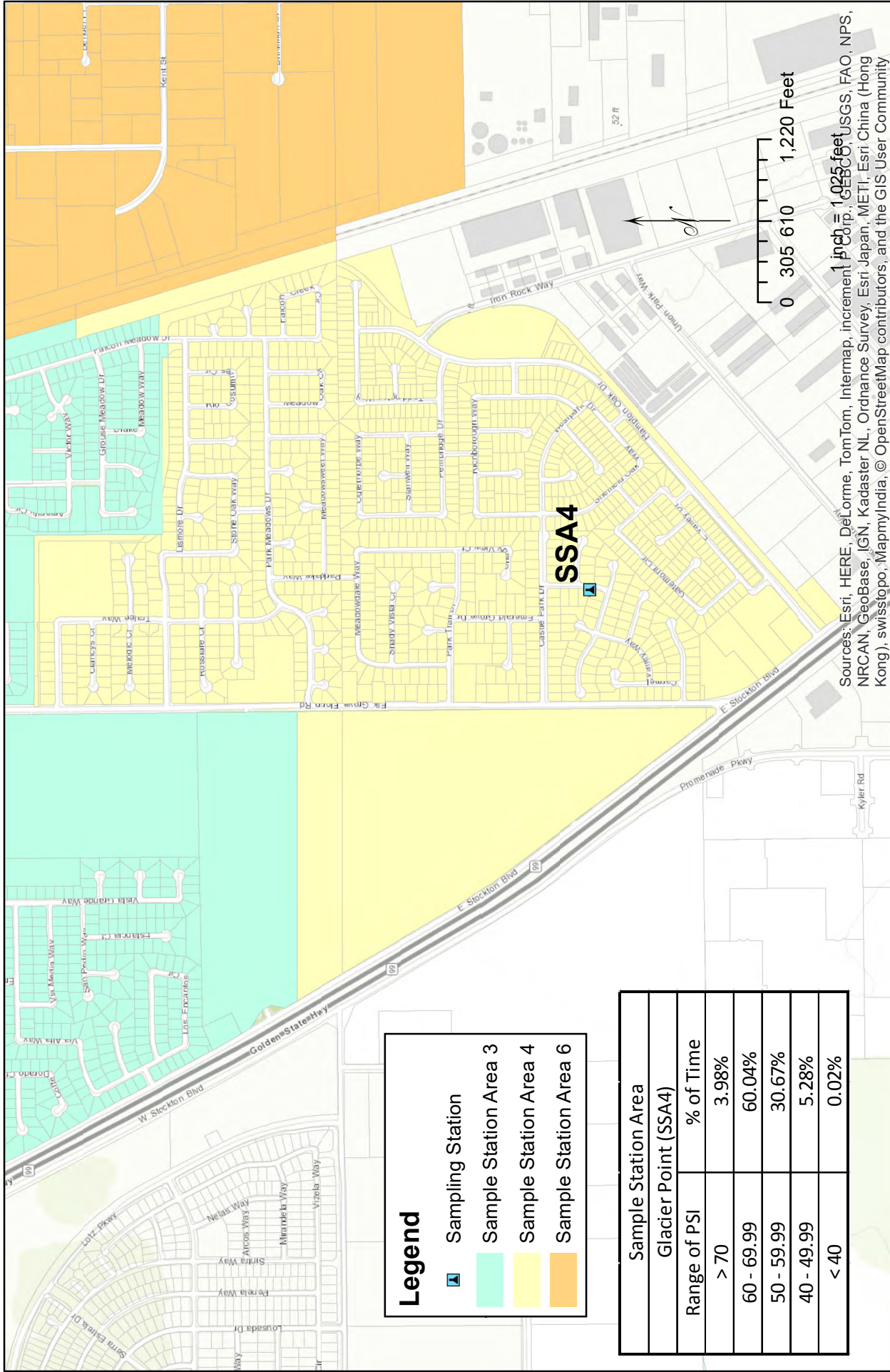
Elk Grove Water District
System Pressure Monitoring



Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402
Source: EGWD GIS database
Created by: Travis Franklin
June 7, 2017

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





1 inch = 1,025 feet
 Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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	3.98%
60 - 69.99	60.04%
50 - 59.99	30.67%
40 - 49.99	5.28%
< 40	0.02%

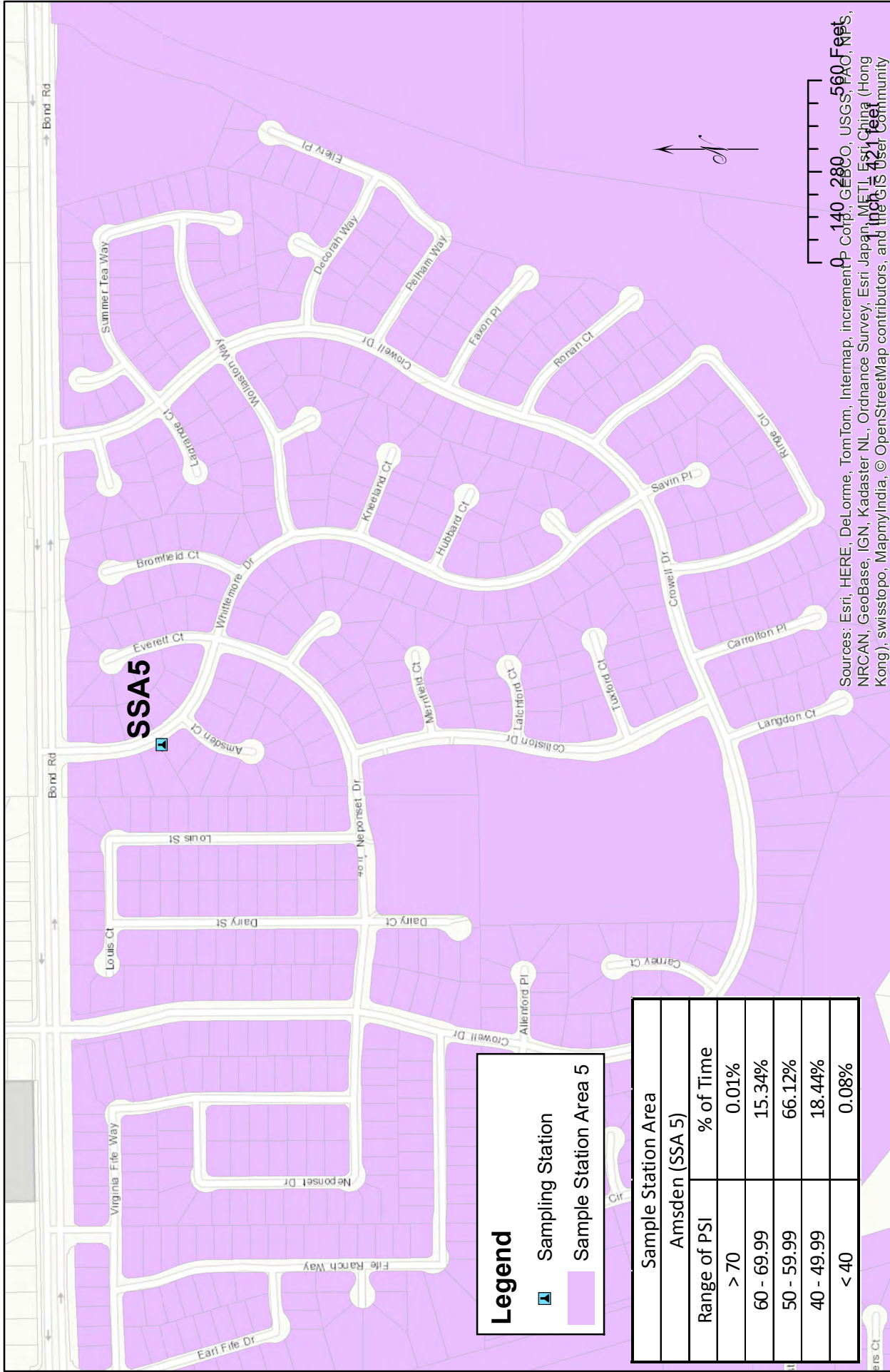


Elk Grove Water District

System Pressure Monitoring



Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017

Sample Station #4
 Note: Sample Station takes a reading every 5 minutes.
 May 2017



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

Legend

-  Sampling Station
-  Sample Station Area 5

Sample Station Area	
Amsden (SSA 5)	
Range of PSI	% of Time
> 70	0.01%
60 - 69.99	15.34%
50 - 59.99	66.12%
40 - 49.99	18.44%
< 40	0.08%



Elk Grove Water District

System Pressure Monitoring

Sample Station #5

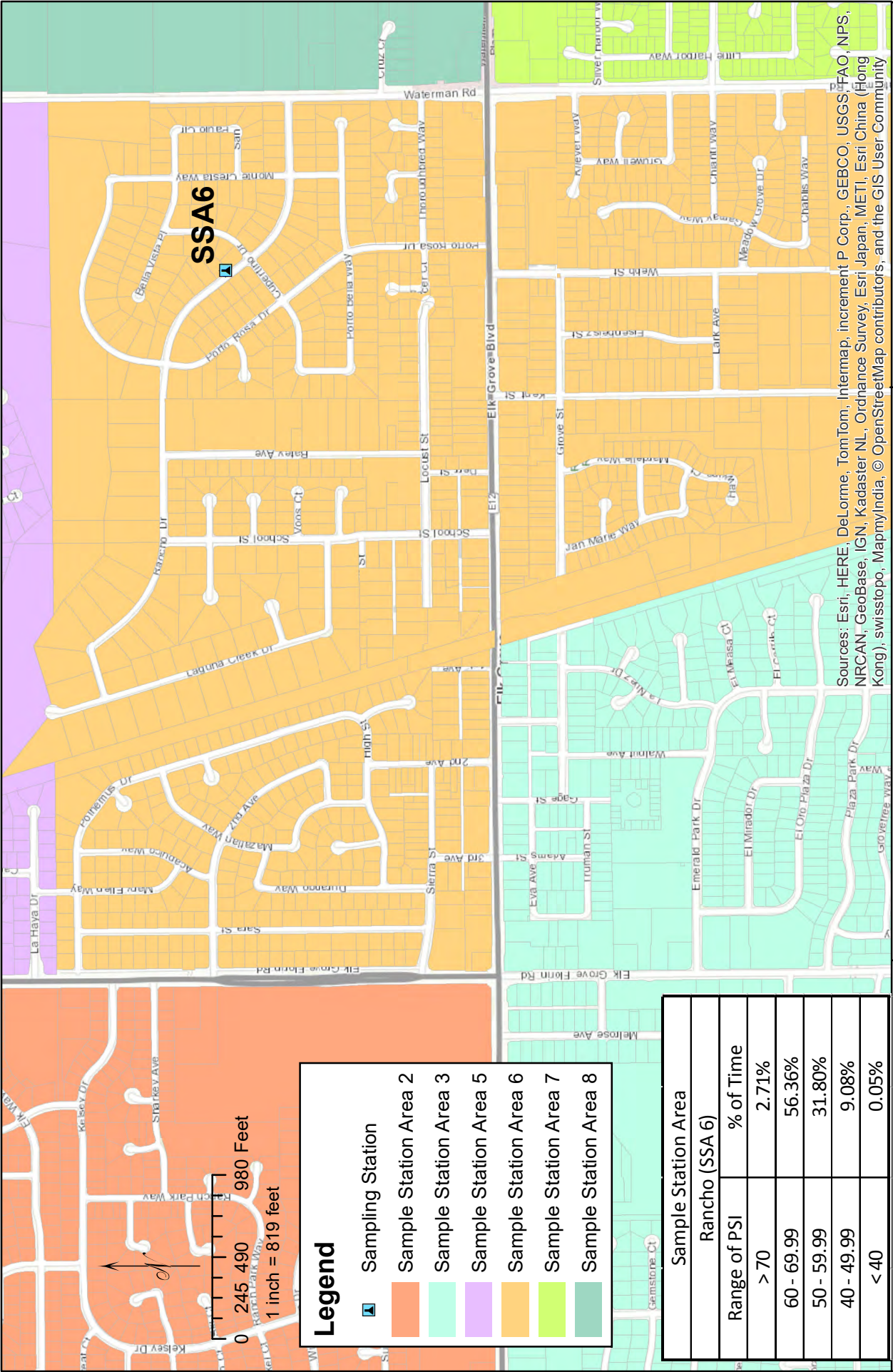
Notes: Sample Station takes a reading every 5 minutes.

May 2017

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

Source: EGWD GIS database

Created by: Travis Franklin
 June 7, 2017



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swissltopo, MapmyIndia, © 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	2.71%
	60 - 69.99	56.36%
	50 - 59.99	31.80%
	40 - 49.99	9.08%
	< 40	0.05%



Elk Grove Water District
System Pressure Monitoring

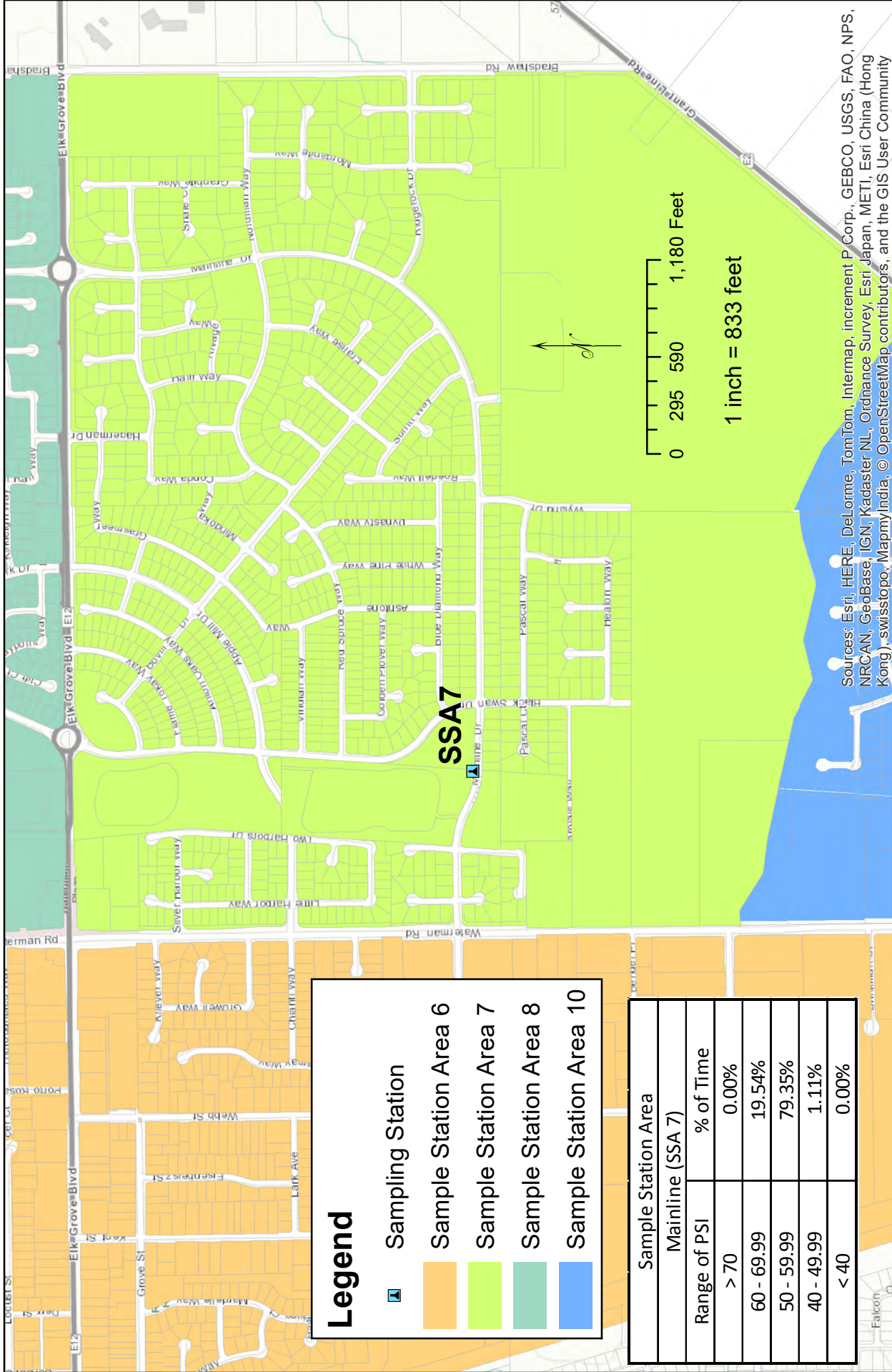
Projected Coordinate System:
NAD 83 State Plane CA II FIPS 0402

Source: EGWD GIS database
Created by: Travis Franklin
June 7, 2017

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

May 2017



Legend

- Sample Station Area 7
- 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	0.00%
60 - 69.99	19.54%
50 - 59.99	79.35%
40 - 49.99	1.11%
< 40	0.00%



Elk Grove Water District

System Pressure Monitoring

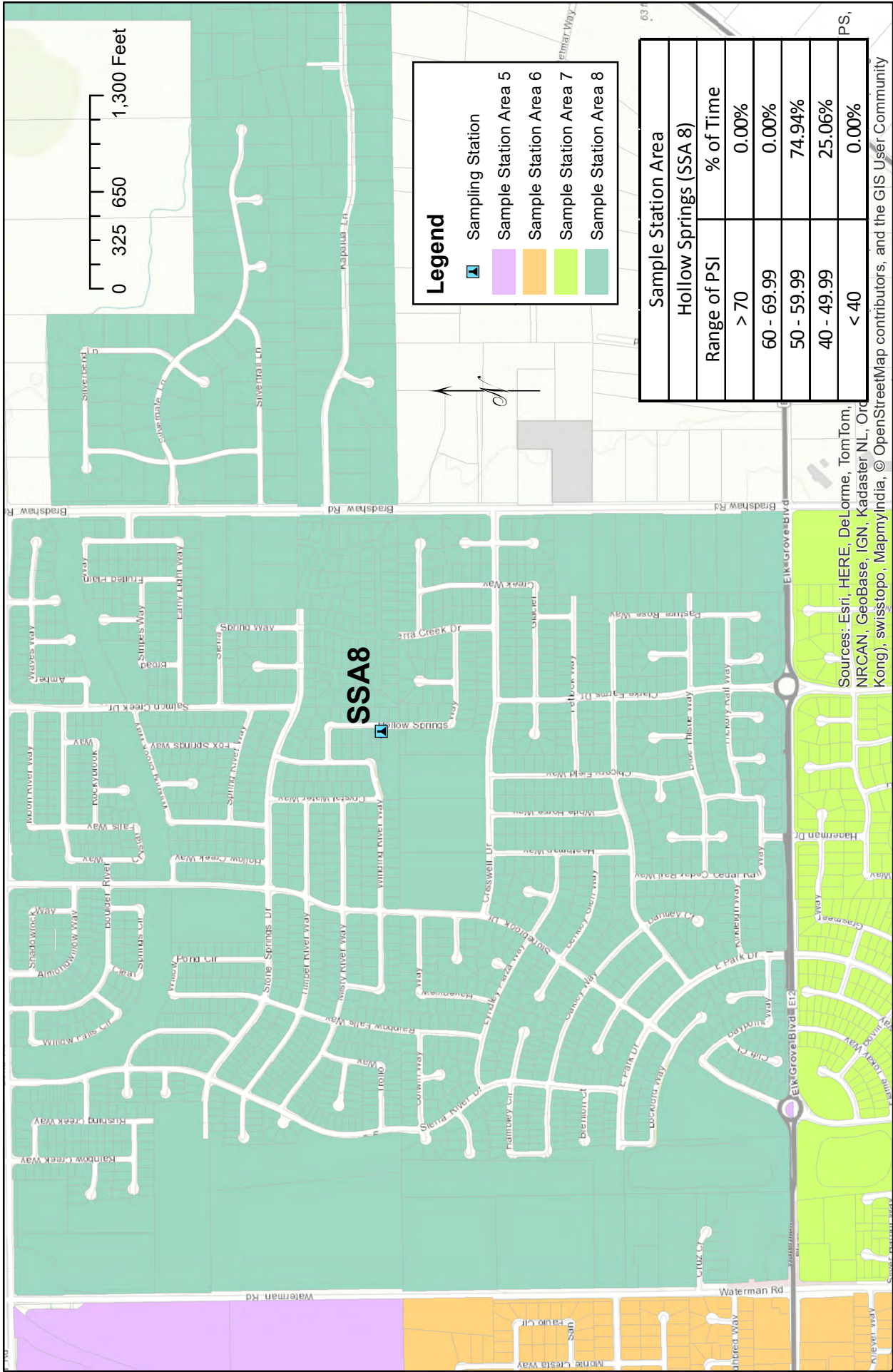
Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017

Sample Station #7

Note: Sample Station takes a reading every 5 minutes.

May 2017

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



Legend

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

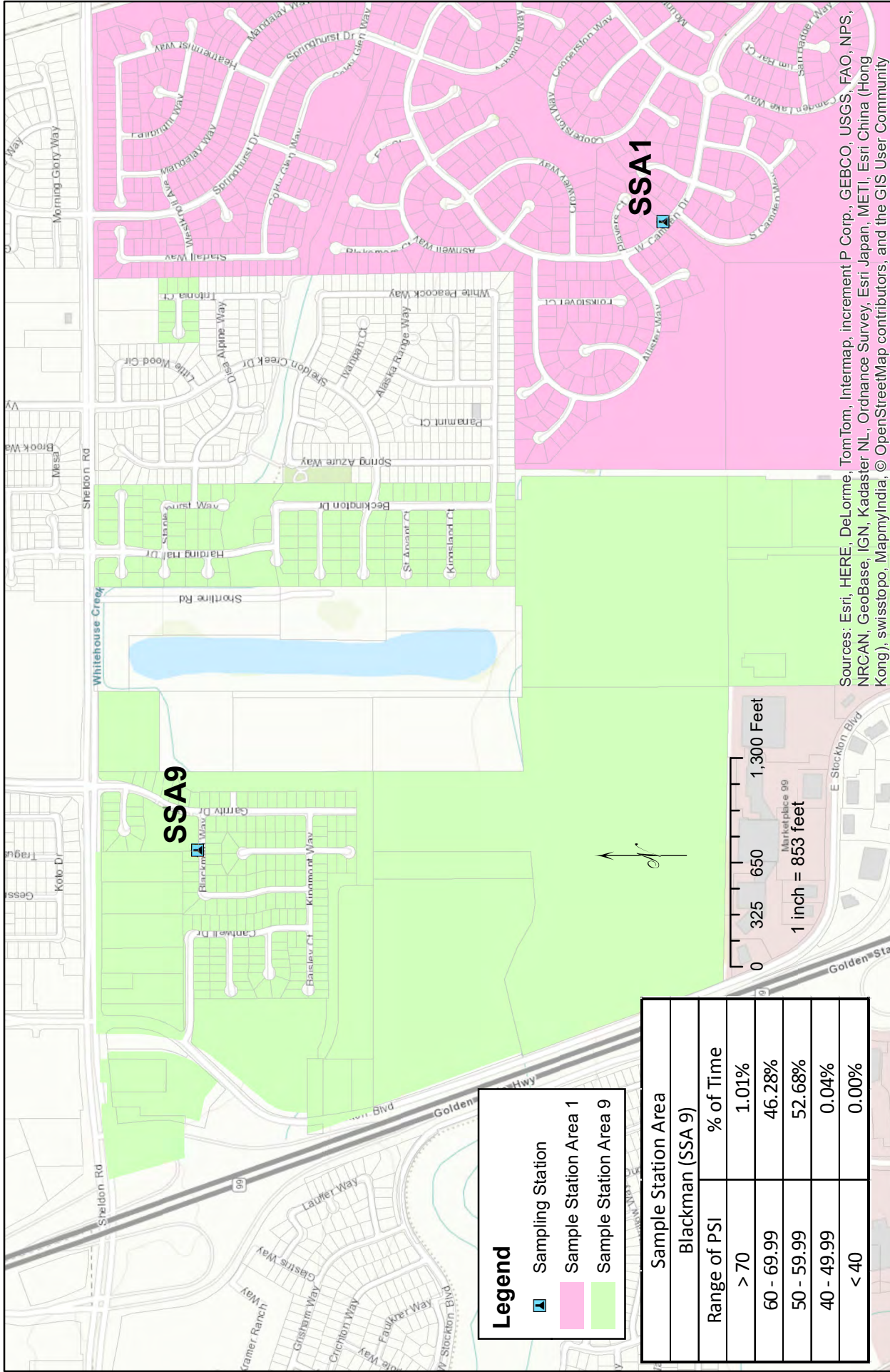
Sample Station Area	Hollow Springs (SSA 8)	Range of PSI	% of Time
> 70	0.00%		
60 - 69.99	0.00%		
50 - 59.99	74.94%		
40 - 49.99	25.06%		
< 40	0.00%		

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017

Elk Grove Water District
 System Pressure Monitoring



Sample Station #8
 Note: Sample Station takes a reading every 5 minutes.
 May 2017



Legend

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

Sample Station Area	Blackman (SSA 9)	Range of PSI	% of Time
		> 70	1.01%
		60 - 69.99	46.28%
		50 - 59.99	52.68%
		40 - 49.99	0.04%
		< 40	0.00%

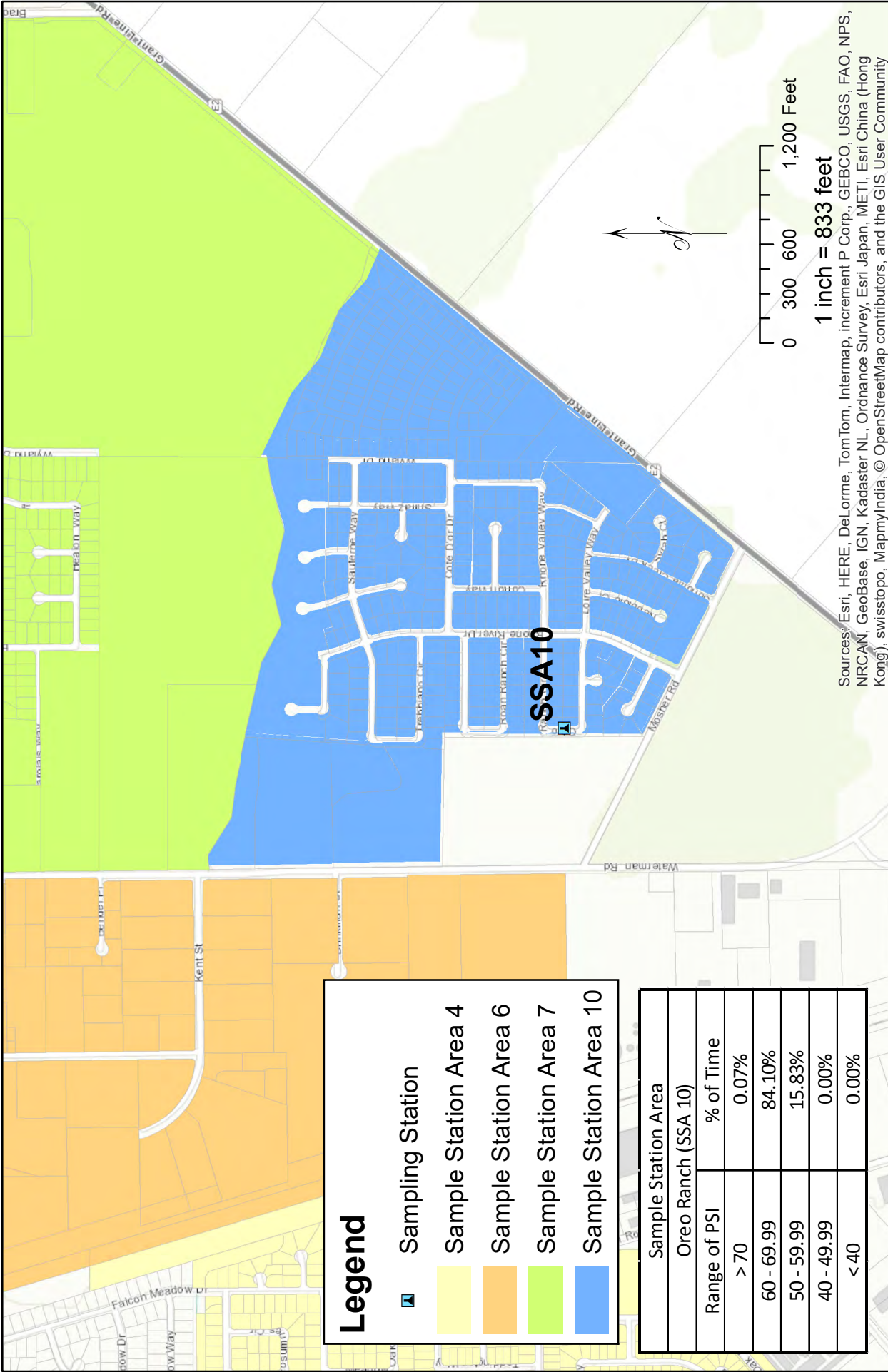
Projected coordinate system:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 June 7, 2017

Elk Grove Water District
 System Pressure Monitoring

Sample Station #9
 Note: Sample Station takes a reading every 5 minutes.
 May 2017



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



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	0.07%
60 - 69.99	84.10%
50 - 59.99	15.83%
40 - 49.99	0.00%
< 40	0.00%



Elk Grove Water District

System Pressure Monitoring

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

May 2017

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

Source: EGWD GIS database

Created by: Travis Franklin

June 7, 2017

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



1 inch = 833 feet



June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Jim Malberg, Finance Manager/Treasurer

SUBJECT: **FLORIN RESOURCE CONSERVATION DISTRICT FISCAL YEAR 2017-18 BUDGET**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution No. 06.21.17.01 approving the Florin Resource Conservation District Fiscal Year 2017-18 Budget.

Summary

District staff, guided by the Finance Committee, has developed the proposed Florin Resource Conservation District (FRCD) Fiscal Year (FY) 2017-18 Budget (Attachment 1) for the Board's consideration.

By this action, the Board would approve the proposed FRCD FY 2017-18 Budget containing projected revenues of \$46,234 and projected expenditures of \$60,383.

DISCUSSION

Background

The FRCD has a fiscal year that runs from July 1 to June 30. For the forthcoming fiscal year, staff initiated a program in April to prepare the FRCD FY 2017-18 Budget, along with the Elk Grove Water District Annual Operating Budget.

On May 3, 2017, Staff presented to the FRCD Board a preliminary proposed FY 2017-18 FRCD Budget for review.

Present Situation

The proposed FRCD FY 2017-18 Budget is attached for the Board's consideration.

FLORIN RESOURCE CONSERVATION DISTRICT FISCAL YEAR 2016-17 BUDGET

Page 2

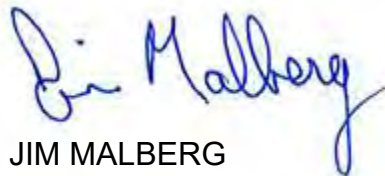
FINANCIAL SUMMARY

Proposed revenues for the FY 2017-18 are projected to be \$46,234 which includes Grant Revenue of \$46,209. The total expenditures for the FY 2017-18 Budget of \$60,383 includes operating expenditures as follows:

- Salaries & Benefits \$ 35,858
- Mileage Reimbursement \$ 2,400
- Meetings \$ 4,700
- Insurance \$ 3,800
- Supplies & Equipment \$ 12,100
- Bank Charges \$ 25
- Accounting Services \$ 1,500

The Fund Balance for the FRCD is expected to decrease from \$47,339 to \$33,190.

Respectfully submitted,



JIM MALBERG
FINANCE MANAGER/TREASURER

Attachments

RESOLUTION NO. 06.21.17.01

**RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD
OF DIRECTORS APPROVING THE FLORIN RESOURCE CONSERVATION
DISTRICT FISCAL YEAR 2017-18 BUDGET**

WHEREAS, the Florin Resource Conservation District has held several public meetings to review the proposed revenues and expenditures for the Florin Resource Conservation District for the Fiscal Year July 1, 2017 through June 30, 2018, and

WHEREAS, and the Board has received and considered the proposed Florin Resource Conservation District FY 2017-18 Budget submitted by the Finance Manager/Treasurer on June 21, 2017.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Florin Resource Conservation District, hereby:

1. Approve the Total Revenues of \$46,234 for the proposed Florin Resource Conservation District FY 2017-18 Budget.
2. Approve the Total Expenditures of \$60,383 for the proposed Florin Resource Conservation District FY 2017-18 Budget.
3. Authorize the General Manager to redistribute allocated budgeted amounts between line items with the budget categories.

PASSED, APPROVED, AND ADOPTED this 21st day of June, 2017.

AYES:
NOES:
ABSENT:
ABSTAIN:

Tom Nelson
Chairperson of the Board of Directors

ATTEST:

Stefani Phillips
Secretary to the Board of Directors

Attachment 1

Florin Resource Conservation District Proposed Budgeted Accounts Detail For the Fiscal Year Ending June 30, 2018

Description	FY 2013-14 Actual	FY 2014-15 Actual	FY 2015-16 Actual	FY 2016-17 Budget	FY 2016-17 Projected	FY 2017-18 Budget
REVENUES						
4700 Lease Revenue - Elk Grove Florin Property	\$ 5,467	\$ 2,533	\$ -	\$ -	\$ -	\$ -
Other Reimbursements/Property Sale	87,712	10,162	353	-	-	-
Grant Revenue	-	-	-	-	-	46,209
Repair and Maintenance Reserves	-	1,829	-	-	-	-
Interest Earnings	50	110	93	75	30	25
Total Revenues	93,229	14,634	446	75	30	46,234
EXPENDITURES						
5100 Salary & Benefits	-	-	9,747	26,566	21,000	35,858
5300 Airfare	-	498	-	-	143	-
5310 Hotels	-	134	-	-	-	-
5320 Meals	-	42	-	-	125	-
5330 Auto Rental	-	37	-	-	-	-
5340 Seminars & Conventions	-	525	-	-	183	-
5350 Mileage Reimbursement, Parking, Tolls	-	20	-	-	-	2,400
5415 Association Dues	400	300	350	-	150	-
5410 Advertising	175	1,078	-	-	-	-
5280 Meetings	100	250	-	-	-	4,700
5420 Insurance	71	1,508	1,470	2,875	3,618	3,800
5435 Repairs and Maintenance Automotive/Fuel	-	30	-	-	-	-
5475 Supplies & Equipment	256	100	207	-	127	12,100
5455 Postage	-	-	-	-	-	-
5510 Bank Charges	1,729	-	-	30	30	25
5520 Contracted Services	6,500	5,001	19,866	-	14	-
5525 Accounting Services	-	-	249	350	1,408	1,500
5535 Legal Services	26,011	2,361	2,943	-	668	-
5545 Public Relations	1,925	1,920	-	-	-	-
9950 Election Costs	-	9,872	-	12,000	14,059	-
9960 Program Costs	-	-	-	-	-	-
Total Expenditures	37,167	23,676	34,832	41,821	41,525	60,383
Change in Balance	56,064	(9,042)	(34,385)	(41,746)	(41,495)	(14,149)
Beginning Balance	76,198	132,261	123,219	88,834	88,834	47,339
Ending Fund Balance	132,261	123,219	88,834	47,088	47,339	33,190

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Bruce M. Kamilos, Assistant General Manager

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2018-22 CAPITAL IMPROVEMENT PROGRAM**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution 06.21.17.02 approving the Elk Grove Water District Fiscal Year 2018-22 Capital Improvement Program and approving an appropriation of \$1,506,000 from designated reserve funds to the Fiscal Year 2017-18 Capital Improvement Program budget.

Summary

The Fiscal Year 2018-22 Capital Improvement Program (FY 2018-22 CIP) describes capital improvement projects planned by the Elk Grove Water District (District) over the next five fiscal years. District staff presented the FY 2018-22 CIP at the Infrastructure Committee meeting on April 18, 2017. Comments and recommendations from that meeting have been incorporated into the FY 2018-22 CIP. The final version of the FY 2018-22 CIP (attached) is being presented to the Board of Directors for adoption.

DISCUSSION

Background

The FY 2018-22 CIP describes capital improvement projects planned by the District over the next five fiscal years. The CIP serves as a blueprint for the development, rehabilitation, and replacement of the District's water system infrastructure, and other facilities owned and operated by the District. District staff presented the FY 2018-22 CIP to the Infrastructure Committee on April 18, 2017. Comments and recommendations from that meeting have been incorporated into the final version of the FY 2018-22 CIP.

ELK GROVE WATER DISTRICT FISCAL YEAR 2018-22 CAPITAL IMPROVEMENT PROGRAM

Page 2

Present Situation

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

- The schedule for the Backyard Water Mains project has been revised to span from two years to three years. This change better reflects the actual amount of work the EGWD utility crew can get done.
- The Well Rehabilitation Program has been scaled back so that a well rehabilitation occurs every other year instead of every year. This change reflects the success of the well rehabilitation program toward maintaining the good condition of EGWD's wells.
- The schedule for the various water main projects have been revised to better balance the workload and expenditures related to these projects.
- The budget for the RRWTF Meeting Room & I.T. Center project has been increased from \$215,000 to \$300,000.

New Projects

- Kilkenny Ct. Water Main
- Leo Virgo Ct. Water Main
- Well 1D Profiling/Modifications
- Radio Antennas
- RRWTF Parking Lot Repaving
- Well 9 Fence Replacement

The final version of the FY 2018-22 CIP is being presented to the Board of Directors for adoption. Although the FY 2018-22 CIP is a 5-year program, the capital improvement program is funded on a year-to-year basis. District staff, therefore, requests that the Board approve an appropriation of \$1,506,000 from designated reserve funds to the FY 2017-18 CIP budget.

ELK GROVE WATER DISTRICT FISCAL YEAR 2018-22 CAPITAL IMPROVEMENT PROGRAM

Page 3

ENVIRONMENTAL CONSIDERATIONS

The adoption of the FY 2018-22 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 2018-22 CIP will be addressed in the future consistent with CEQA. Staff reports requesting authorization from the Board of Directors 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 the District to address capital needs through the development of a multi-year capital improvement program with "pay-as-you-go" funding.

FINANCIAL SUMMARY

The financial impact of the FY 2018-22 CIP on capital funds is \$6,892,000 over five fiscal years. A breakdown by year of capital funds required is as follows.

FY 2017-18	\$1,506,000
FY 2018-19	\$1,345,000
FY 2019-20	\$1,408,000
FY 2020-21	\$1,225,000
<u>FY 2021-22</u>	<u>\$1,408,000</u>
Total	\$6,892,000

To fund the FY 2017-18 CIP, District staff requests that the Board approve an appropriation of \$1,506,000 from designated reserves to the FY 2017-18 CIP budget.

Respectfully submitted,



BRUCE M. KAMILOS
ASSISTANT GENERAL MANAGER

Attachment

RESOLUTION No. 06.21.17.02

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE FLORIN RESOURCE CONSERVATION DISTRICT
ADOPTING THE ELK GROVE WATER DISTRICT FISCAL YEAR 2018-22 CAPITAL
IMPROVEMENT PROGRAM AND APPROVING AN APPROPRIATION OF \$1,506,000
FROM DESIGNATED RESERVE FUNDS TO THE FISCAL YEAR 2017-18 CAPITAL
IMPROVEMENT PROGRAM BUDGET**

WHEREAS, the Elk Grove Water District Fiscal Year 2018-22 Capital Improvement Program (hereinafter “FY 2018-22 CIP”) has been presented to the Infrastructure Committee on April 18, 2017 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 2018-22 CIP; and

WHEREAS, the adoption of the Elk Grove Water District FY 2018-22 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 2018-22 CIP will be addressed in the future consistent with CEQA; and

WHEREAS, the adoption of the Elk Grove Water District FY 2018-22 CIP conforms to FRCD/EGWD’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 2018-22 CIP on capital funds is \$6,892,000 over the next five fiscal years, the actual commitment of CIP funds is done on a year-to-year basis with \$1,506,000 being requested for the FY 2017-18 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 2018-22 Capital Improvement Program.

Section 2. The Board of Directors hereby appropriates \$1,506,000 from designated reserve funds to the Fiscal Year 2017-18 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 21th day of June, 2017.

AYES:

NOES:

ABSENT:

ABSTAIN:

Tom Nelson
Chairman of the Board of Directors

ATTEST:

Stefani Phillips
Secretary to the Board of Directors

APPROVED AS TO FORM:

Meyers Nave
General Counsel

EXHIBIT “A”

“ELK GROVE WATER DISTRICT FY 2017-2021 CAPITAL IMPROVEMENT PROGRAM.”

[Attached behind this cover page]



FY 2018-2022 CAPITAL IMPROVEMENT PROGRAM

BOARD OF DIRECTORS

Tom Nelson, Chair

Bob Gray, Vice Chair

Lisa Medina, Director

Sophia Scherman, Director

Jeanne Sabin, Director

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OVERVIEW

The Elk Grove Water District's (District) FY 2018 – 2022 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects in fiscal years 2017/18 through 2021/22. 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.

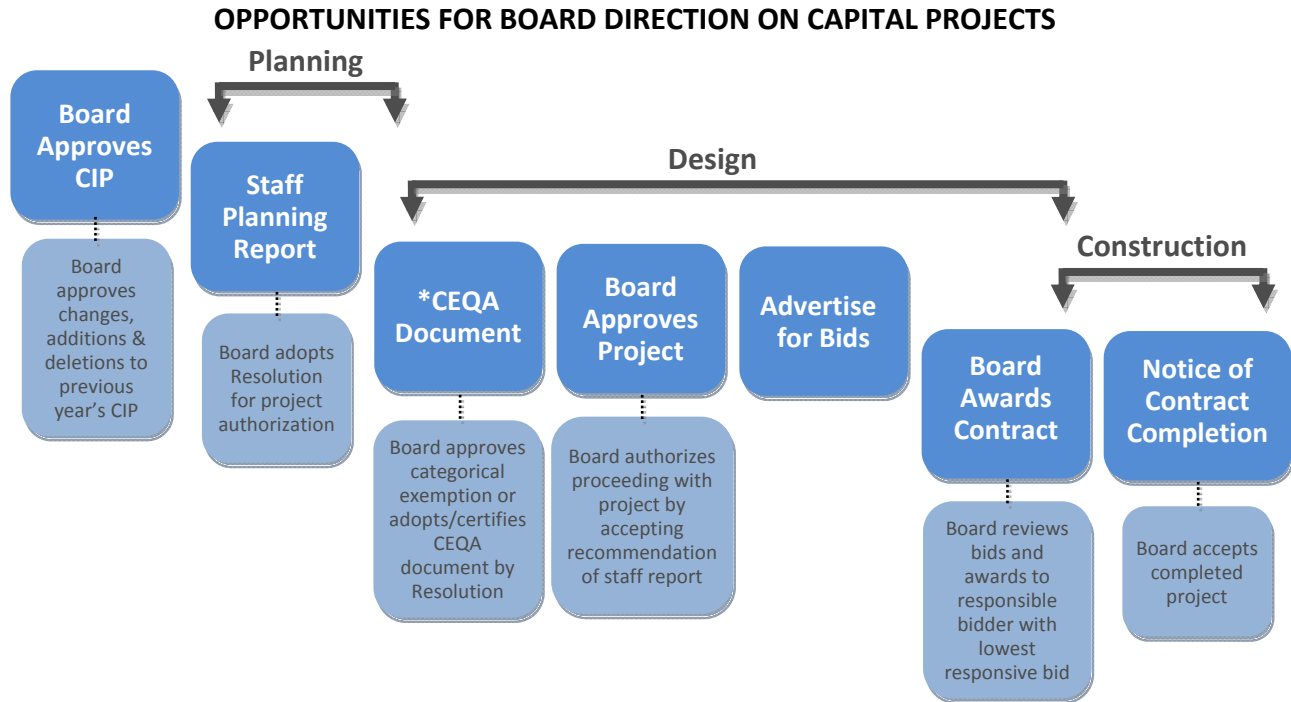
Annually, District staff members and the General Manager meet to identify projects to be included in the CIP. Each project defined in the CIP is summarized by a brief project description and justification. The project location, timing, expenditure schedule, funding source, impact on operating costs and 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 2017/18 through 2021/22. 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

(in thousands \$)

Priority	PROJECT NAME	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
SUPPLY / DISTRIBUTION IMPROVEMENTS							
2	Service Line Replacements <i>pg. 10</i>	250	-	-	-	-	250
3	Kent St. Water Main <i>pg. 12</i>	280	-	-	-	-	280
3	Truman St./Adams St. Water Main <i>pg. 14</i>	-	-	-	-	240	240
3	School/Locust/Summit Alley Water Main <i>pg. 16</i>	-	-	-	495	-	495
3	Elk Grove Blvd Grove St. Alley Water Main <i>pg. 18</i>	-	-	-	290	-	290
3	Locust St.-Elk Grove Blvd Alley/Derr St. Water Main <i>pg. 20</i>	-	-	210	-	-	210
4	Elk Grove Blvd Water Main <i>pg. 22</i>	-	-	-	-	500	500
2	Lark St. Water Main <i>pg. 24</i>	-	-	170	-	-	170
1	Well Rehabilitation Program <i>pg. 26</i>	93	-	98	-	103	294
2	Railroad Corridor Water Line <i>pg. 28</i>	-	-	-	-	75	75
3	Backyard Water Mains/Services Replacement <i>pg. 30</i>	138	950	600	-	-	1,688
3	Cadura Circle Water Main Looping <i>pg. 32</i>	-	30	-	-	-	30
3	Mormon Church Water Main Looping <i>pg. 34</i>	-	-	70	-	-	70
3	Kilkenny Ct. Water Main <i>pg. 36</i>	-	-	-	-	135	135
3	Leo Virgo Ct. Water Main <i>pg. 38</i>	-	-	-	-	135	135
TREATMENT IMPROVEMENTS							
1	Media Replacement Filter Vessels <i>pg. 40</i>	50	-	-	-	-	50
1	Chlorine Tank Replacement - ClorTec Room <i>pg. 42</i>	-	80	-	-	-	80
1	Well 3 Pump Replacement /VFD <i>pg. 46</i>	-	-	-	180	-	180
1	Well 8 Pump Replacement <i>pg. 44</i>	100	-	-	-	-	100
4	Radio Antennas <i>pg. 48</i>	80	-	-	-	-	80
BUILDING & SITE IMPROVEMENTS / VEHICLES							
3	Truck Replacements <i>pg. 50</i>	100	115	160	160	120	655
1	RRWTF Modular Meeting Room & I.T. Center <i>pg. 52</i>	300	-	-	-	-	300
4	HWTP Roof Replacement <i>pg. 54</i>	-	20	-	-	-	20
2	RRWTF Parking Lot Repaving <i>pg. 56</i>	-	50	-	-	-	50
3	Well 9 Fence Replacement <i>pg. 58</i>	15	-	-	-	-	15
UNFORESEEN CAPITAL PROJECTS							
	Unforeseen Capital Projects <i>pg. 60</i>	100	100	100	100	100	500
TOTAL		1,506	1,345	1,408	1,225	1,408	6,892

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 4G break down **user fees** by funding sources and capital improvement programs. Tables 5A and 5B provide supporting data for Table 3. Tables 5A and 5B break down **connection fees** by capital improvement programs.

Table 2
Funding Source Requirements
User Fees

FUND	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
CAPITAL IMPROVEMENT FUNDS						
Supply/Distribution Improvements	250	30	70	-	575	925
Treatment Improvements	180	-	-	180	-	360
Building & Site Improvements/Vehicles	400	115	160	160	120	955
SUB-TOTAL	830	145	230	340	695	2,240
CAPITAL REPAIR/REPLACEMENT FUNDS						
Supply/Distribution Improvements	511	950	1,078	785	613	3,937
Treatment Improvements	50	80	-	-	-	130
Building & Site Improvements/Vehicles	15	70	-	-	-	85
SUB-TOTAL	576	1,100	1,078	785	613	4,152
UNFORESEEN CAPITAL PROJECT FUNDS						
Unforeseen Capital Projects	100	100	100	100	100	500
SUB-TOTAL	100	100	100	100	100	500
TOTAL	1,506	1,345	1,408	1,225	1,408	6,892

Table 3
Funding Source Requirements
Connection Fees

FUND	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	Total
CAPITAL IMPROVEMENT FUNDS						
Supply/Distribution Improvements	-	-	-	-	-	0
Treatment Improvements	-	-	-	-	-	0
TOTAL	0	0	0	0	0	0

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

CAPITAL IMPROVEMENT FUND	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
SUPPLY / DISTRIBUTION IMPROVEMENTS						
Service Line Replacements	250	-	-	-	-	250
Elk Grove Blvd Water Main	-	-	-	-	500	500
Railroad Corridor Water Line	-	-	-	-	75	75
Cadura Circle Water Main Looping	-	30	-	-	-	30
Mormon Church Water Main Looping	-	-	70	-	-	70
TOTAL	250	30	70	0	575	925

Table 4B
 Schedule of User Fees
 Treatment Improvements
 Capital Improvement Funds

CAPITAL IMPROVEMENT FUND	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
TREATMENT IMPROVEMENTS						
Well 8 Pump Replacement	100	-	-	-	-	100
Well 3 Pump Replacement/VFD	-	-	-	180	-	180
Radio Antennas	80	-	-	-	-	80
TOTAL	180	0	0	180	0	360

Table 4C
 Schedule of User Fees
 Building & Site Improvements/Vehicles
 Capital Improvement Funds

CAPITAL IMPROVEMENT FUND	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
BUILDING & SITE IMPROVEMENTS						
Truck Replacements	100	115	160	160	120	655
RRWTF Modular Meeting Room & I.T. Center	300	-	-	-	-	300
TOTAL	400	115	160	160	120	955

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

CAPITAL REPAIR/REPLACEMENT	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
SUPPLY / DISTRIBUTION IMPROVEMENTS						
Kent St. Water Main	280	-	-	-	-	280
Truman St./Adams St. Water Main	-	-	-	-	240	240
School/Locust/Summit Alley Water Main	-	-	-	495	-	495
Elk Grove Blvd Grove St. Alley Water Main	-	-	-	290	-	290
Locust St.-Elk Grove Blvd Alley/Derr St. Water M	-	-	210	-	-	210
Lark St. Water Main	-	-	170	-	-	170
Well Rehabilitation Program	93	-	98	-	103	294
Backyard Water Mains/Services Replacement	138	950	600	-	-	1688
Kilkenny Ct. Water Main	-	-	-	-	135	135
Leo Virgo Ct. Water Main	-	-	-	-	135	135
TOTAL	511	950	1,078	785	613	3,937

Table 4E
 Schedule of User Fees
 Treatment Improvements
 Capital Repair/Replacement Funds

CAPITAL REPAIR/REPLACEMENT	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
TREATMENT IMPROVEMENTS						
Media Replacement Filter Vessels	50	-	-	-	-	50
Chlorine Tank Replacement ClorTec Room	-	80	-	-	-	80
TOTAL	50	80	0	0	0	130

Table 4F
 Schedule of User Fees
 Building & Site Improvements/Vehicles
 Capital Repair/Replacement Funds

CAPITAL REPAIR/REPLACEMENT	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
BUILDING & SITE IMPROVEMENTS						
HWWTTP Roof Replacement	-	20	-	-	-	20
RRWTF Parking Lot Repaving	-	50	-	-	-	50
Well 9 Fence Replacement	15	-	-	-	-	15
TOTAL	15	70	0	0	0	85

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

UNFORESEEN CAPITAL PROJECTS	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	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	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
SUPPLY / DISTRIBUTION IMPROVEMENTS						
None	-	-	-	-	-	0
TOTAL	0	0	0	0	0	0

Table 5B
 Schedule of Connection Fees
 Treatment Improvements

CAPITAL IMPROVEMENT FUND	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	Total
TREATMENT IMPROVEMENTS						
None	-	-	-	-	-	0
TOTAL	0	0	0	0	0	0

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Project	Service Line Replacements
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	2
Project No.	200



PROJECT DESCRIPTION

The Elk Grove Water District has a number of installations where 3/4" service lines tap water mains. In some cases, a common service line tap splits at a tee fitting (or what is commonly known as a "bullhead") to serve two (2) water meters. This project replaces all 3/4" service lines with 1" service lines, and replaces common bullhead services with separate 1" taps so that every water meter is fed individually by a 1" service.

JUSTIFICATION

This project will improve delivery of water to those services currently being served by 3/4" service line.

PROJECT LOCATION

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



★ Project Location

SCHEDULE & STATUS

Construction of this project began in March 2014 and is expected to last through FY 2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Service Line Replacements	250	0	0	0	0	250
with inflation (3%)	250	0	0	0	0	250

Expenditure breakdown: no design costs, 100% construction

EXPENDITURE HISTORY & REVISIONS

(in thousands \$)

Description	Past / Planned Expenditures					Total
	FY14/15	FY15/16	FY16/17	FY17/18	FY18/19	
Original Budget	900	0	0	0	0	900
Expenditure	(120)	(80)	(40)	0	0	0
Balance / Carry-over	780	700	660	0	0	0
Revised Budget	120	80	40	250	0	490

Budget has been revised downward due to actual construction costs coming in under budget.

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	490
Total	490

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by replacing old service lines and tapping saddles that have reached their useful life and are at risks of developing leaks. It is anticipated that the elimination of future leaks will result in an annual savings of \$25,000 over a 5-year period.

USEFUL LIFE: 25 years

Project	Kent St. Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

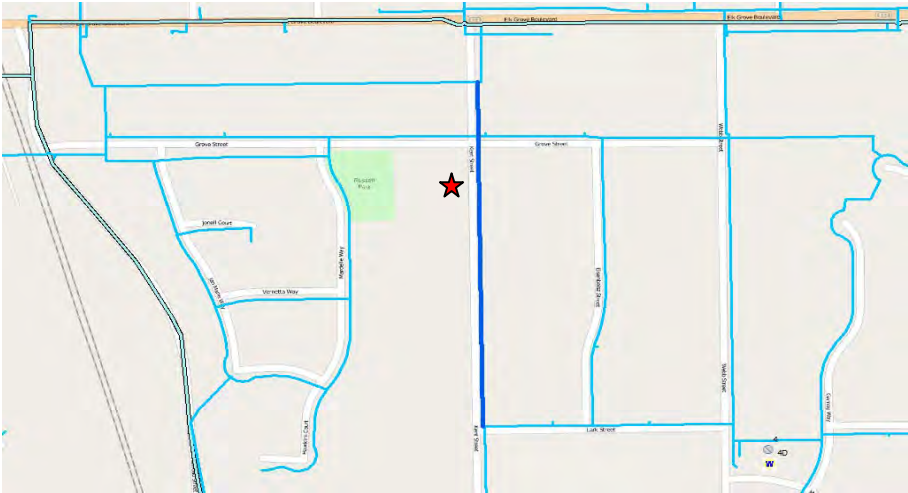
This project installs approximately 1,200 lineal feet of 8” C900 PVC water main in Kent Street.

JUSTIFICATION

Kent 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. Furthermore, EGWD has a capital improvement project (CIP) to replace all 3/4” service lines in the district with 1” service lines. The lots on Kent Street are served by 3/4” service lines. This project installs an 8” water main in Kent Street to current EGWD standards and replaces the 3/4” service lines with 1” service lines.

PROJECT LOCATION

The project is located on Kent Street.



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

SCHEDULE & STATUS

Construction of this project is expected to start in July 2017 and last through September 2017.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Kent St. Water Main	280	0	0	0	0	280
with inflation (3%)	280	0	0	0	0	280

Expenditure breakdown: \$7,500 design, \$272,500 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	280
Total	280

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

Project	Truman St./Adams St. Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

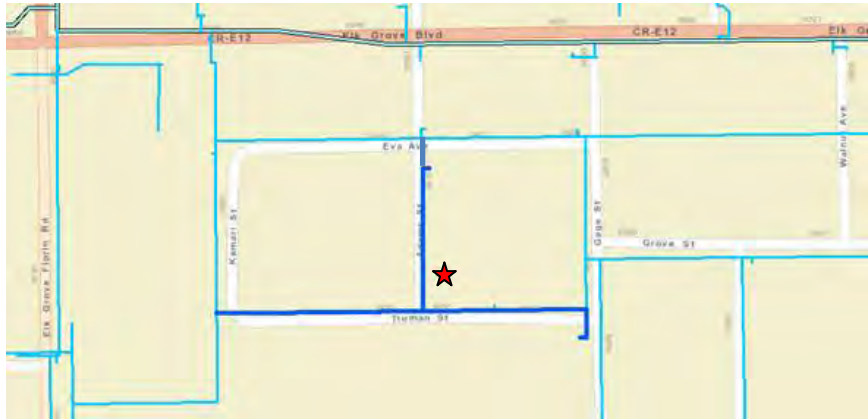
This project installs approximately 700 lineal feet of 8” C900 PVC water main in Truman Street and 380 lineal feet of 8” C900 PVC water main in Adams Street for a total 1,025 lineal feet of 8” C900 PVC water main.

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. Furthermore, EGWD has a capital improvement project (CIP) to replace all 3/4” service lines in the district with 1” service lines. 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

Construction of this project is scheduled to occur in FY 2021/22.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Truman St./Adams St. Water Main	0	0	0	0	213	213
with inflation (3%)	0	0	0	0	240	240

Expenditure breakdown: \$6,000 design, \$234,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	240
Total	240

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

Project	School/Locust/Summit Alley Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

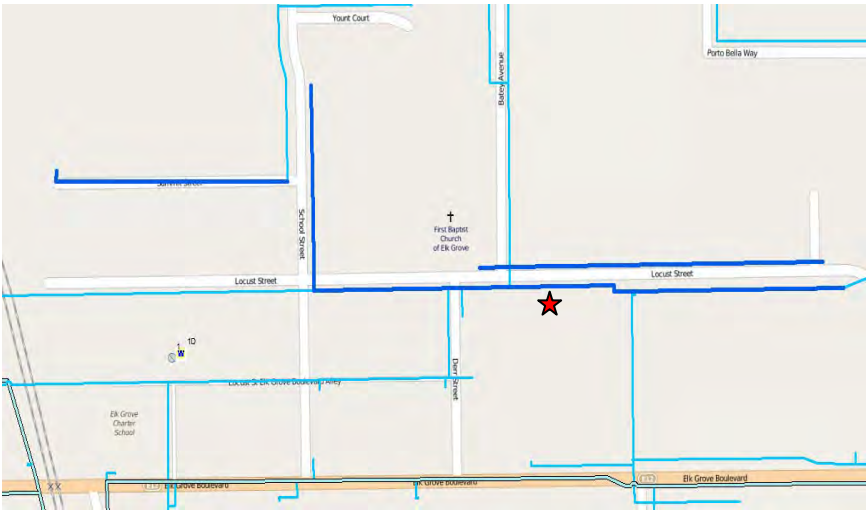
This project installs approximately 225 lineal feet of 8” C900 PVC water main in School Street, 1,300 lineal feet of 8” C900 PVC water main in Locust Street, and 625 lineal feet of 8” C900 PVC water main in Summit St. Alley for a total 2,150 lineal feet of 8” C900 PVC water main.

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. Furthermore, EGWD has a capital improvement project (CIP) to replace all 3/4” service lines in the district with 1” service lines. 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

Construction of this project is scheduled to occur in FY 2020/21.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
School/Locust/Summit Alley Water Main	0	0	0	453	0	453
with inflation (3%)	0	0	0	495	0	495

Expenditure breakdown: \$9,000 design, \$486,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	495
Total	495

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

Project	Elk Grove Blvd Grove St. Alley Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

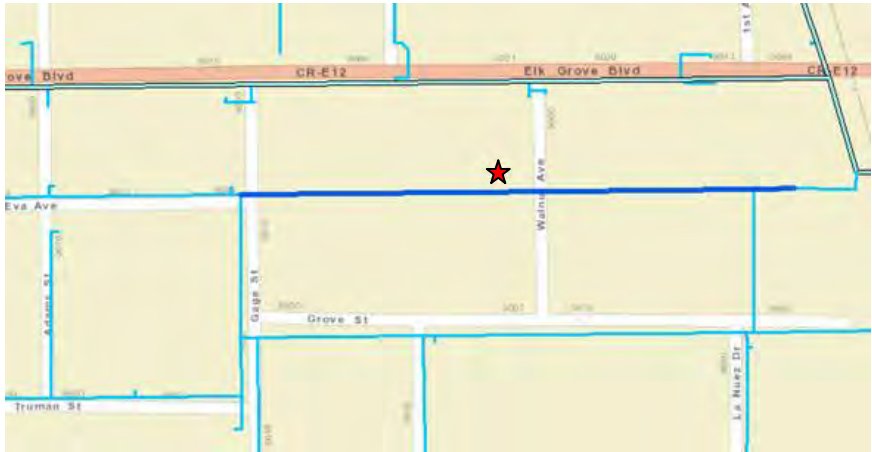
This project installs approximately 900 lineal feet of 8” C900 PVC water main in Elk Grove Blvd Grove St. Alley.

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. Furthermore, EGWD has a capital improvement project (CIP) to replace all 3/4” service lines in the district with 1” service lines. 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

Construction of this project is scheduled to occur in FY 2020/21.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Elk Grove Blvd Grove St. Alley 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 Improvement Funds	
▪ Supply / Distribution Improvements	290
Total	290

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

Project	Locust St.-Elk Grove Blvd Alley/Derr St. Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

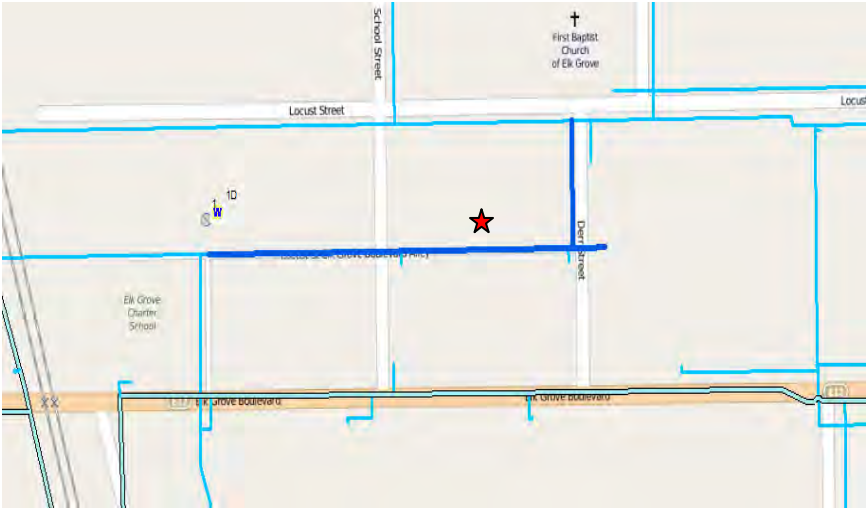
This project installs approximately 725 lineal feet of 8” C900 PVC water main in Locust St.-Elk Grove Blvd Alley and 175 lineal feet of 8” C900 PVC water main in Derr Street.

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. This project installs an 8” water main in Locust St.-Elk Grove Blvd Alley and Derr Street to current EGWD standards.

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

Construction of this project is scheduled to occur in FY 2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Locust St.-Elk Grove Blvd Alley/Derr St. Water Main	0	0	198	0	0	198
with inflation (3%)	0	0	210	0	0	210

Expenditure breakdown: \$7,500 design, \$202,500 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	210
Total	210

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

Project	Elk Grove Blvd Water Main
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	4
Project No.	206



PROJECT DESCRIPTION

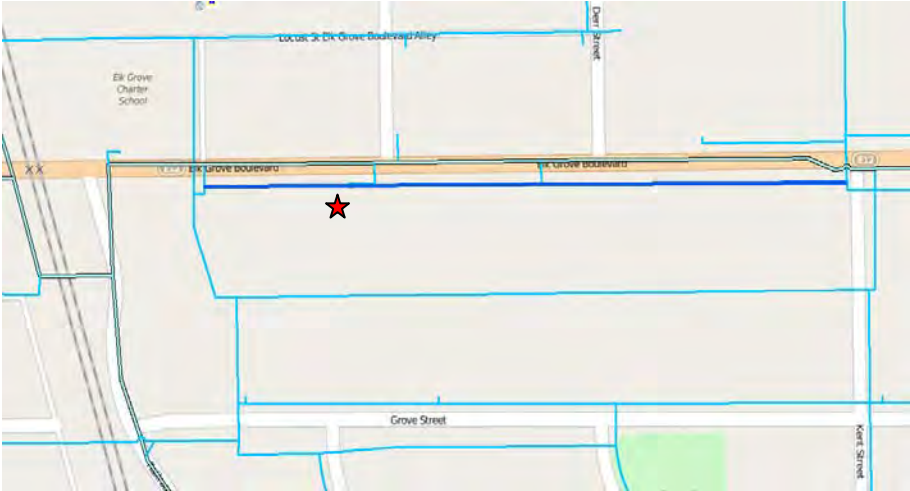
This project installs approximately 1,300 lineal feet of 8” water main on the south side of Elk Grove Blvd. between the Union Pacific Railroad tracks and Kent St, and installs water meters on the front side of the properties along this stretch.

JUSTIFICATION

Businesses and residences along the south side of Elk Grove Blvd. are currently served by a 4” water main located along the rear property lines. To complete the water meter retrofit program, water meters have been placed in the public utility easement at the back of each property. To read the meters, the properties must be accessed by entering fenced-in backyards which are often locked. This project replaces an undersized 4” main with an 8” main and moves the meters to the front sides of the properties.

PROJECT LOCATION

The project is located on the south side of Elk Grove Blvd. between the UPRR tracks and Kent St.



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

SCHEDULE & STATUS

Construction of this project is expected to occur in FY 2021/22.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Elk Grove Blvd Water Main	0	0	0	0	444	444
with inflation (3%)	0	0	0	0	500	500

Expenditure breakdown: \$12,000 design, \$488,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	500
Total	500

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 \$600.

USEFUL LIFE: 125 years

Project	Lark St. Water Main
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	2
Project No.	TBD



PROJECT DESCRIPTION

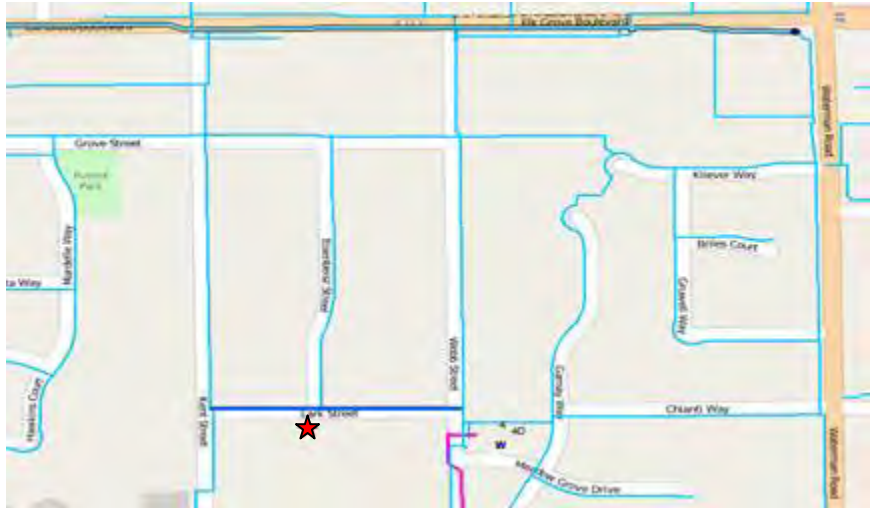
This project installs approximately 730 lineal feet of 8” C900 PVC water main in Lark Street.

JUSTIFICATION

Lark Street is currently served by a 6” water main installed in 1960. The material of the water main is asbestos-cement pipe (ACP). Repairs on this 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 pipe, it is time to replace this water main and bring it up to current EGWD standard construction specifications. Furthermore, EGWD has a capital improvement project (CIP) to replace all 3/4" service lines in the district with 1" service lines. 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 replaces the six (6) 3/4” service lines with 1” service lines.

PROJECT LOCATION

The project is located on Lark Street.



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

SCHEDULE & STATUS

Construction of this project is scheduled to occur in FY 2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Lark St. Water Main	0	0	160	0	0	160
with inflation (3%)	0	0	170	0	0	170

Expenditure breakdown: \$7,500 design, \$162,500 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	170
Total	170

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

Project	Well Rehabilitation Program
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	1
Project No.	503



PROJECT DESCRIPTION

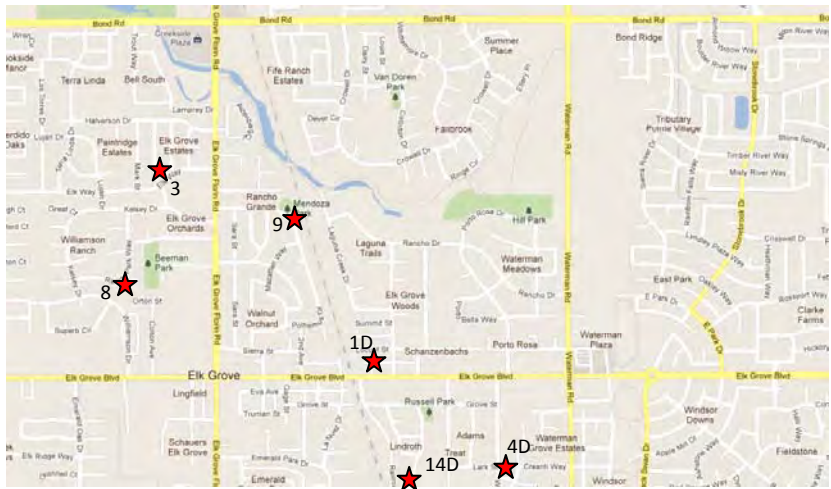
The well rehabilitation program provides for well rehabilitation projects on an as needed basis.

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 FY2017/18, FY2019/20 and FY2021/22.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Well Rehabilitation Program	93	0	93	0	93	279
with inflation (3%)	93	0	98	0	103	294

Expenditure breakdown: \$15,000 design, \$279,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	294
Total	294

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 (for each rehabilitated well)

Project	Railroad Corridor Water Line
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	210



PROJECT DESCRIPTION

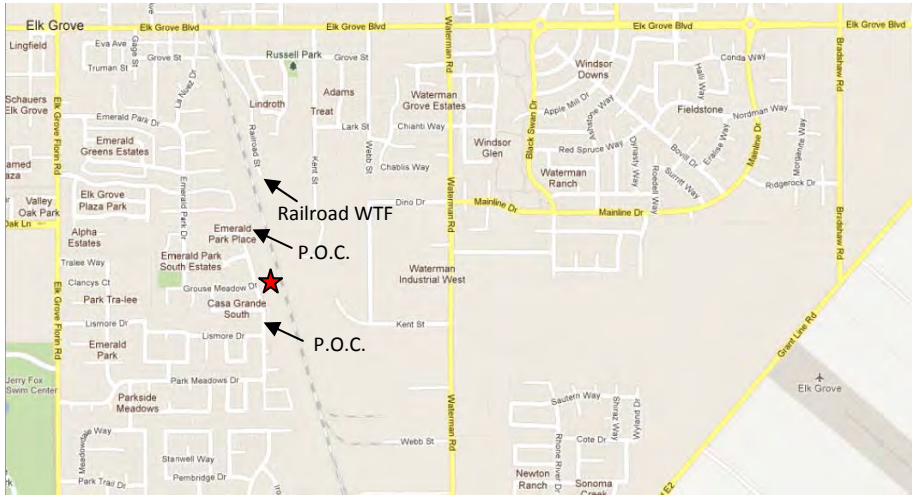
This project connects the recently completed Railroad Corridor transmission main to two (2) additional points of connection (POC) of the District’s water distribution system. These POCs are located along Falcon Meadow Dr.

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

This project is scheduled for FY2021/22.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Railroad Corridor Water Line	0	0	0	0	66	66
with inflation (3%)	0	0	0	0	75	75

Expenditure breakdown: \$5,000 design, \$70,000 construction

EXPENDITURE REVISION

(in thousands \$)

Description	Past / Planned Expenditures							Total
	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Original Budget	164	0	175	0	0	0	0	339
Expenditure	(122)	(74)	0	0	0	0	0	0
Balance / Carry-over	140*	182	107	0	0	0	0	0
Revised Budget	122	75	0	0	0	0	75	272

**\$140,000 from Unforeseen Capital Projects to cover unaccounted for expenditures related to jack & bore work under UPRR tracks.*

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	231

CONNECTION FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements*	41
Total	272

**15% of \$272,000*

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

Project	Backyard Water Mains/ Services Replacements
Funding Type	Capital Repair/Replacement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	505



PROJECT DESCRIPTION

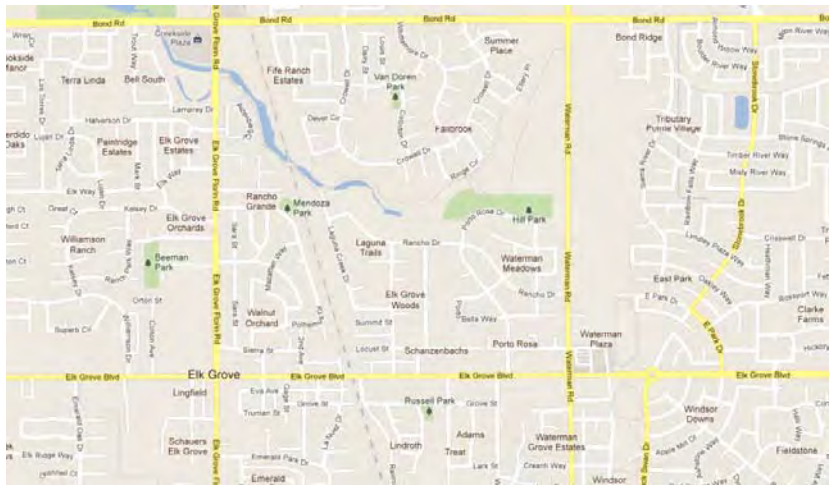
This project replaces existing 4” water mains with larger diameter water mains and relocates the mains from backyard public utilities easements to rights-of-ways in the streets. Water services will be moved from the backyards to the front sides of homes.

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

The project is scheduled for FY2017/18, FY 2018/19 and FY2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Backyard Water Mains/Services Replacements	138	922	566	0	0	1,626
with inflation (3%)	138	950	600	0	0	1,688

Expenditure breakdown: \$50,000 design, \$1,638,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Supply / Distribution Improvements	1,688
Total	1,688

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

Project	Cadura Circle Water Main Looping
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

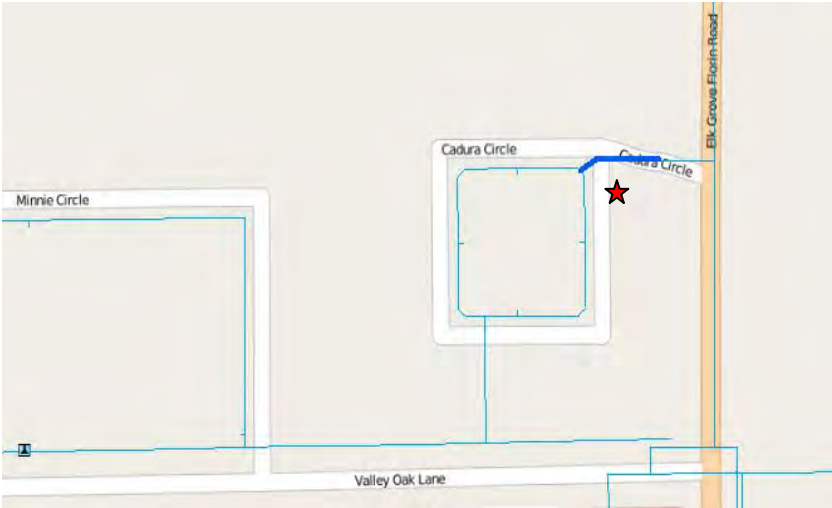
This project installs approximately 130 lineal feet of 8” C900 PVC water main to provide a water main loop so that Cadura Circle is fed by two (2) water mains.

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 main 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

Preliminary engineering, final design and construction are scheduled to occur in FY 2018/19.

EXPENDITURE SCHEDULE

(in thousands \$)

	Planned Expenditures					Total
Project	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Cadura Circle Water Main Looping	0	29	0	0	0	29
with inflation (3%)	0	30	0	0	0	30

Expenditure breakdown: \$1,000 design, \$29,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	30
Total	30

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

Project	Mormon Church Water Main Looping
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

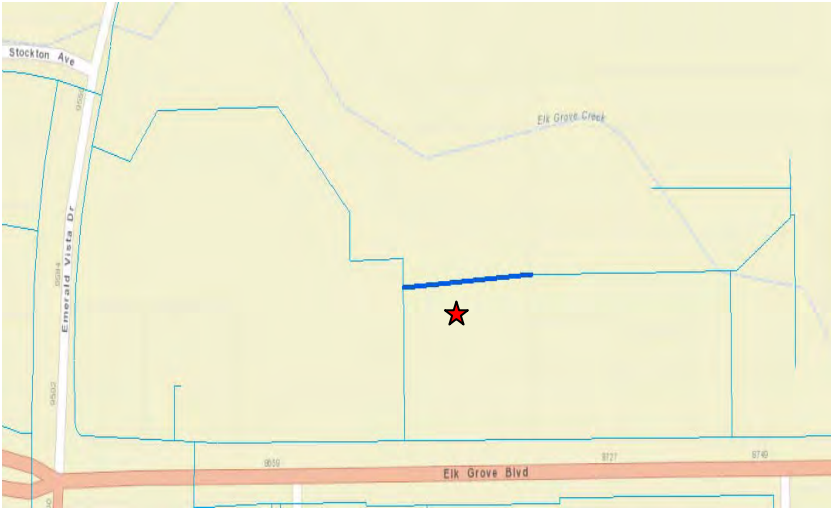
This project installs approximately 300 lineal feet of 8” C900 PVC water main to connect two (2) dead-end mains along the property of the Mormon Church on Elk Grove Blvd.

JUSTIFICATION

An 8” water main exists along the west side of the Mormon Church property off of Elk Grove Blvd. An 8” water main stub for future connection exists at the east side of the property. This project connects the existing 8” water main stub to the 8” water main on the other side of the property. The looped water main system will enhance water system performance and water quality.

PROJECT LOCATION

The project is located at 8679 Elk Grove Blvd, Elk Grove, California.



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

SCHEDULE & STATUS

Preliminary engineering, final design and construction are scheduled to occur in FY 2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Mormon Church Water Main Looping	0	0	66	0	0	66
with inflation (3%)	0	0	70	0	0	70

Expenditure breakdown: \$1,500 design, \$68,500 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	70
Total	70

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

Project	Kilkenny Ct. Water Main
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

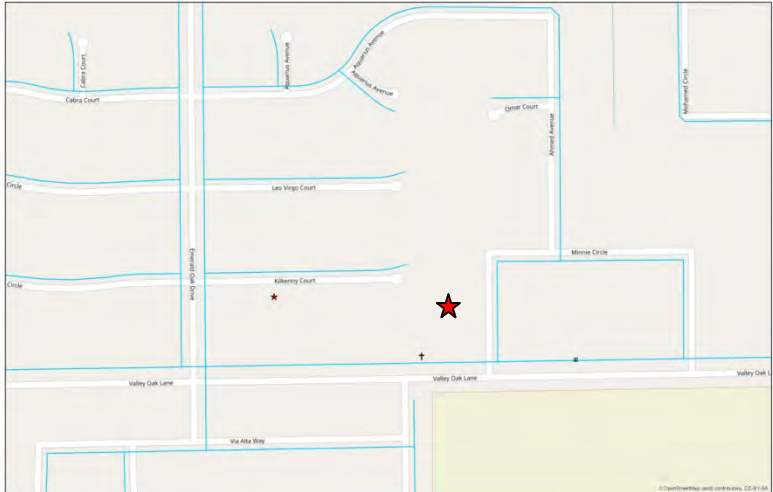
This project installs approximately 575 lineal feet of 8” C900 PVC water main in Kilkenny Court.

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

Preliminary engineering, final design and construction are scheduled to occur in FY 2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Kilkenny Water Main	0	0	0	0	120	120
with inflation (3%)	0	0	0	0	135	135

Expenditure breakdown: \$3,000 design, \$132,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	135
Total	135

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

Project	Leo Virgo Ct. Water Main
Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

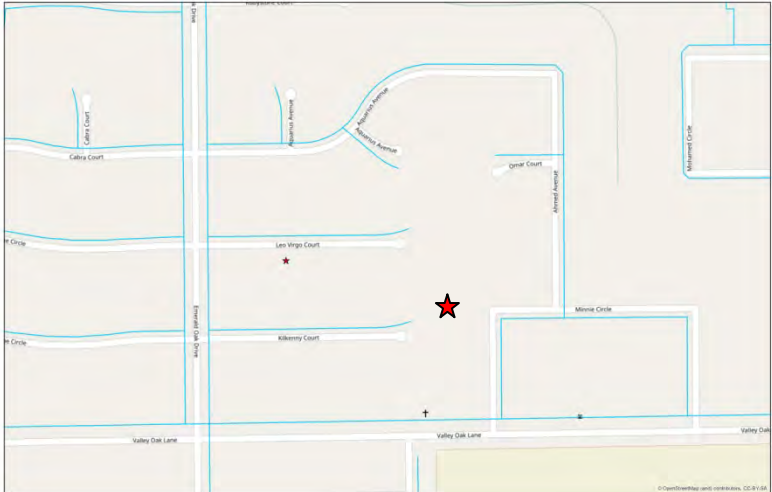
This project installs approximately 575 lineal feet of 8” C900 PVC water main in Leo Virgo Court.

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

Preliminary engineering, final design and construction are scheduled to occur in FY 2019/20.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Leo Virgo Ct. Water Main	0	0	0	0	120	120
with inflation (3%)	0	0	0	0	135	135

Expenditure breakdown: \$3,000 design, \$132,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Supply / Distribution Improvements	135
Total	135

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

Project	Media Replacement Filter Vessels
Funding Type	Capital Repair/Replacement Funds
Program	Treatment Improvements
Priority	1
Project No.	508



PROJECT DESCRIPTION

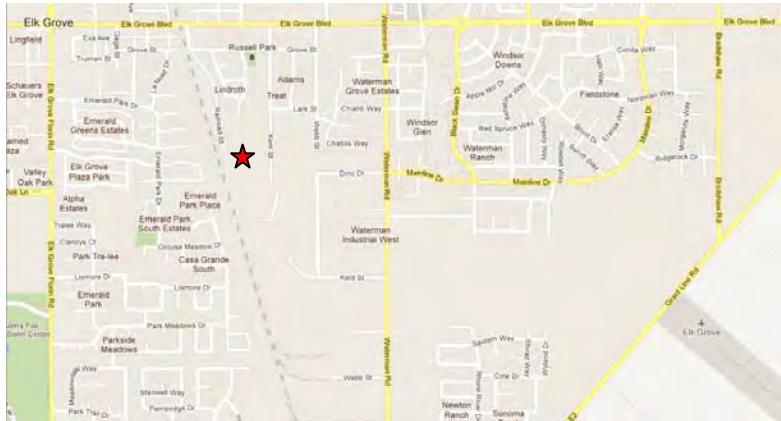
This project replaces the media in the filter vessels of Filter Train “C” at the Railroad Street Water Treatment Facility (RRWTF). Each filter train contains two (2) filter vessels.

JUSTIFICATION

Filter media typically has a useful life of 10 years. The RRWTF was built in 2005 with three (3) filter trains – Filter Trains A, B, and C. In 2012, Filter Train D was added to the RRWTF. The filter vessels of Filter Train “C” contains its original media, a proprietary product called Metalease. This project changes out the media in the filter vessels of Filter Train “C” to GreensandPlus. GreensandPlus is the most commonly used media in the water industry to remove manganese and iron. This project will make the use of GreensandPlus media consistent throughout all filter trains, and provide for needed maintenance and inspection of the filter vessels’ inlet and outlet distributor manifolds.

PROJECT LOCATION

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



★ Project Location

SCHEDULE & STATUS

Construction is scheduled to occur in FY 2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Media Replacement Filter Vessels	50	0	0	0	0	50
with inflation (3%)	50	0	0	0	0	50

Expenditure breakdown: no design costs, 100% construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	50
Total	50

OPERATING COST IMPACTS

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

USEFUL LIFE: 10 years

Project	Chlorine Tank Replacement ClorTec Room
Funding Type	Capital Repair/Replacement Funds
Program	Treatment Improvements
Priority	1
Project No.	509



PROJECT DESCRIPTION

This project replaces the 6,000-gallon fiberglass, sodium hypochlorite tank of the ClorTec system at the Railroad Street Water Treatment Facility (RRWTF).

JUSTIFICATION

The resin in the sodium hypochlorite tank is failing. The tank was repaired once already in the summer of 2011 for the same problem. Resin failure in fiberglass tanks storing sodium hypochlorite is a documented problem. It is imperative that the right fiberglass resin be used when manufacturing the tank. If not, studies show that structural damage to the tank can occur in 3 to 5 years. Because of structural concerns, the fiberglass tank requires replacement. In addition, the salt/brine tank will require replacement because it is blocking access to the sodium hypochlorite tank. Modifications to eliminate this problem in the future are part of this project.

PROJECT LOCATION

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



★ Project Location

SCHEDULE & STATUS

Construction is scheduled to occur in FY 2018/19.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Chlorine Tank Replacement ChlorTec Room	0	78	0	0	0	78
with inflation (3%)	0	80	0	0	0	80

Expenditure breakdown: no design costs, 100% construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	80
Total	80

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: 15 years

Project	Well 3 Pump Replacement/VFD
Funding Type	Capital Improvement Funds
Program	Treatment Improvements
Priority	1
Project No.	TBD



PROJECT DESCRIPTION

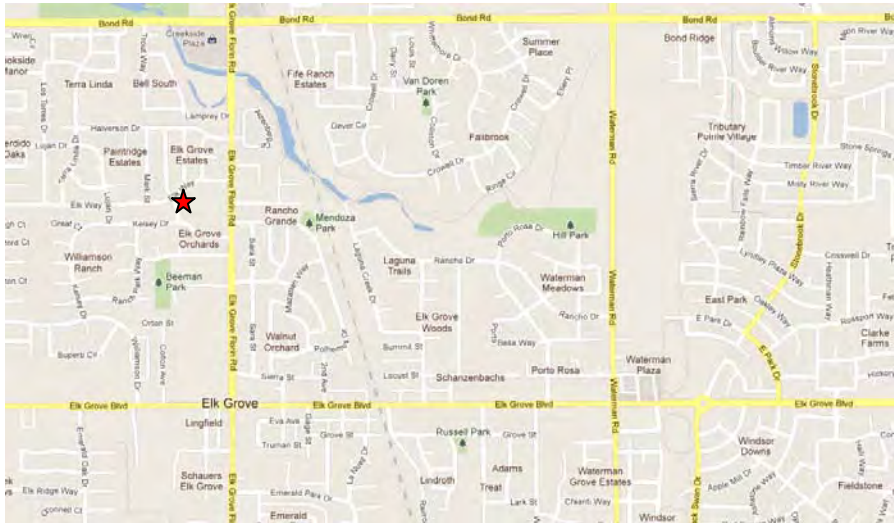
This project replaces the existing vertical turbine pump at Well 3 with a submersible pump, down-hole sand separator and variable frequency drive (VFD), and removes the hydropneumatic tank from the site. This project also installs a pumped-to-waste system to allow the well to be temporarily pumped to storm drain during start-up.

JUSTIFICATION

Well 3 is currently equipped with a vertical turbine pump rated at 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 submersible pump and VFD combination will promote continuous, efficient operation of the pump. The VFD will also 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.



★ Project Location

SCHEDULE & STATUS

Engineering, design, and construction are scheduled for FY 2020/21.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Well 3 Pump Replacement/VFD	0	0	0	165	0	165
with inflation (3%)	0	0	0	180	0	180

Expenditure breakdown: \$10,000 engineering, \$170,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	180
Total	180

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 being controlled by a VFD.

USEFUL LIFE: 20 years

Project	Well 8 Pump Replacement
Funding Type	Capital Improvement Funds
Program	Treatment Improvements
Priority	1
Project No.	TBD



PROJECT DESCRIPTION

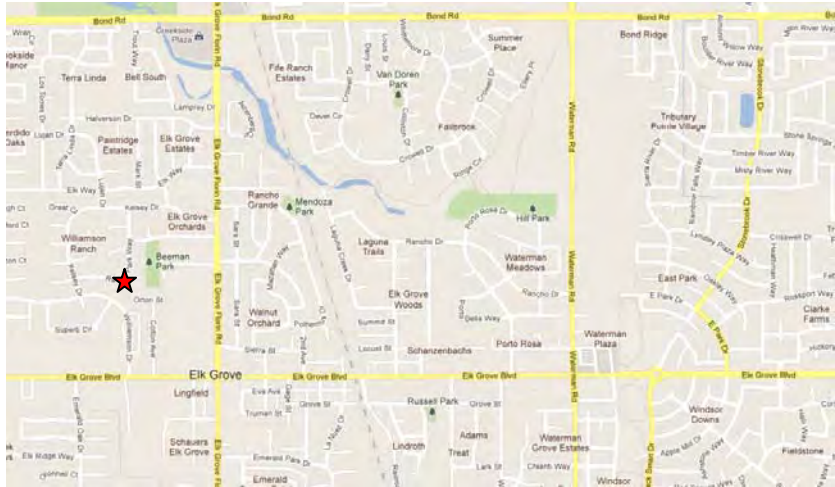
This project replaces the existing vertical turbine pump at Well 8 with a submersible pump, down-hole sand separator, and removes the hydropneumatic tank from the site.

JUSTIFICATION

Well 8 is currently equipped with a 75 hp vertical turbine pump with a design rate of 850 gpm at 252 feet of head. Well 8 has a history of producing of sand, especially during startup. At a rated flow of 850 gpm, if demand in the water distribution system isn't high, the existing pump starts and stops frequently, exacerbating sand production. This project would replace the 75 hp vertical turbine pump with a 40 hp submersible pump designed to pump 475 gpm at 268 feet head. A down-hole sand separator. The reduced flow capacity will promote continuous pump operation, thereby minimizing sand production and eliminating the need for the hydropneumatic tank.

PROJECT LOCATION

The address for Well 8 is 9457 Ranch Park Way, Elk Grove, California. The assessor's parcel number is APN 12504100610000.



★ Project Location

SCHEDULE & STATUS

Preliminary engineering, final design and construction are scheduled to occur in FY 2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Well 8 Pump Replacement/VFD	100	0	0	0	0	100
with inflation (3%)	100	0	0	0	0	100

Expenditure breakdown: \$5,000 design, \$95,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	100
Total	100

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 being controlled by a VFD.

USEFUL LIFE: 20 years

Project	Radio Antennas
Funding Type	Capital Improvement Funds
Program	Treatment Improvements
Priority	1
Project No.	TBD



PROJECT DESCRIPTION

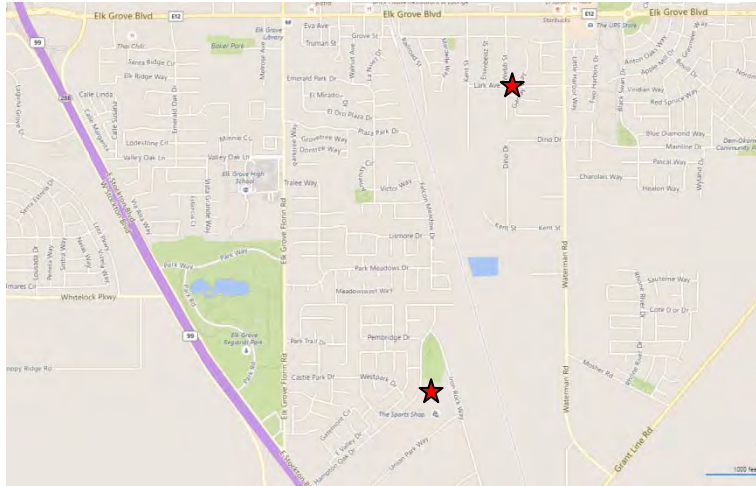
This project adds radio antennas at the sites of Well 4D and Hampton Village Water Treatment Plant.

JUSTIFICATION

Currently, each site at Well 4D and Hampton Village Water Treatment Plant (WTP) are equipped with an antenna mounted to the shed and control building, respectively. This provides an antenna elevation height of approximately 12 feet above ground. These antennas are necessary to communicate with the District’s supervisory control and data acquisition (SCADA) system located at the Railroad Water Treatment Facility. Loss of communications with SCADA are occurring 13% and 31% of the time, respectively, at Well 4D and Hampton Village WTP. These are unacceptably high rates and require correction. This project installs taller radio antennas (most likely 40’ tall) to correct the problem. A line-of-sight/radio survey will be conducted to confirm that installing the taller antennas will correct the problem.

PROJECT LOCATION

The address for Well 4D is 9206 Meadow Grove Dr. and the address for Hampton Village WTP is 10113 Hampton Oak Dr., Elk Grove, California. The assessor’s parcel numbers are APN 12504100610000 and APN 13407100390000, respectively.



★ Project Location

SCHEDULE & STATUS

Preliminary engineering, final design and construction are scheduled for FY 2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Radio Antennas	80	0	0	0	0	80
with inflation (3%)	80	0	0	0	0	80

Expenditure breakdown: \$5,000 design, \$75,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Treatment Improvements	80
Total	80

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by \$1000 per year due to more efficient operations of Well 4D and Hampton Village WTP.

USEFUL LIFE: 25 years

Project	Truck Replacements
Funding Type	Capital Improvement Funds
Program	Building & Site Improvements/ Vehicles
Priority	3
Project No.	401



PROJECT DESCRIPTION

This project replaces aging work trucks with new trucks.

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 17/18

Truck 302 – 2006 Chevy 3500 – 37,000 Miles – 1 Ton - \$100K

FY 18/19

Truck 407 – 2008 Ford F550 – 24,000 Miles – Gang Truck - \$115K

FY 19/20

Truck 102 – 2007 Chevy 3500 – 70,000 Miles – 1 Ton - \$60K

Truck 409 – 2009 Ford F650 – 26,000 Miles – Dump Truck - \$100K

FY 20/21

Truck 402 – 2008 Ford F250 – 70,000 Miles – 3/4 Ton - \$60K

Truck 303 – 2006 Ford F650 – 33,000 Miles – Dump Truck - \$100K

FY 21/22

Truck 403 – 2007 Chevy Tahoe – 41,000 Miles – SUV - \$60K

Truck 413 – 2014 Ford F250 – 58,000 Miles – 3/4 Ton - \$60K

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
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Truck Replacements	100	112	151	146	107	616
with inflation (3%)	100	115	160	160	120	655

Expenditure breakdown: no design, 100% purchase

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	655
Total	655

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

Project	RRWTF Meeting Room & I.T. Center
Funding Type	Capital Improvement Funds
Program	Building & Site Improvements/ Vehicles
Priority	1
Project No.	405



PROJECT DESCRIPTION

This project installs a modular building(s) for a meeting/training room for Operations personnel and information technology (I.T.) center behind the Operations and Maintenance building at the Railroad Street Water Treatment Facility (WTF).

JUSTIFICATION

The Railroad Street WTF is where Operations personnel and maintenance activities are based. The Operations and Maintenance (O&M) building at the Railroad Street WTF does not have a room for meetings and training classes. This project provides a building where meetings and training classes for Operations personnel can occur. It also centralizes the I.T. operations and equipment in one location, and in an environment with better control of room temperature.

PROJECT LOCATION

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



★ Project Location

SCHEDULE & STATUS

This project is a carry-over from last fiscal year and is now planned for construction in FY2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
RRWTF Meeting Room & I.T. Center	300	0	0	0	0	300
with inflation (3%)	300	0	0	0	0	300

Expenditure breakdown: \$25,000 design, \$190,000 construction

EXPENDITURE REVISION

(in thousands \$)

Description	Past / Planned Expenditures					Total
	FY15/16	FY16/17	FY17/18	FY18/19	FY19/20	
Original Budget	125	0	0	0	0	125
Expenditure	(1)	(80)	0	0	0	0
Balance / Carry-over	124	44	0	0	0	0
Revised Budget	1	80	300	0	0	381

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	381
Total	381

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: 50 years

Project	HWTP Roof Replacement
Funding Type	Capital Repair/Replacement Funds
Program	Building & Site Improvements/ Vehicles
Priority	4
Project No.	TBD



PROJECT DESCRIPTION

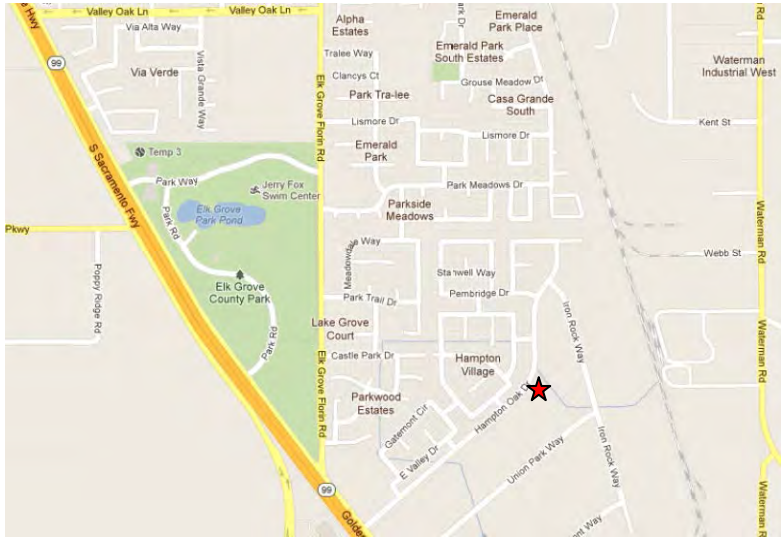
This project replaces the roof of the building housing the control room and water quality treatment equipment at the Hampton Village Water Treatment Plant.

JUSTIFICATION

The Hampton Village Water Treatment Plant (HWTP) 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 HWTP.

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 2018/19.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
HVWTP Roof Replacement	0	19	0	0	0	19
with inflation (3%)	0	20	0	0	0	20

Expenditure breakdown: no design, \$20,000 construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Repair/Replacement Funds	
▪ Treatment Improvements	20
Total	20

OPERATING COST IMPACTS

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

USEFUL LIFE: 20 years

Project	RRWTF Parking Lot Repaving
Funding Type	Capital Repair/Replacement Funds
Program	Building & Site Improvements/ Vehicles
Priority	2
Project No.	405



PROJECT DESCRIPTION

This project replaces the top layer of the asphalt pavement in the high traffic areas of the Railroad Water Treatment Facility.

JUSTIFICATION

The Railroad Water Treatment Facility (RRWTF) is where Operations activities are based. Heavy trucks and equipment come in and out of the RRWTF yard on a daily basis. The asphalt pavement in the RRWTF yard receives heavy use and, as a result, the high traffic areas of the pavement are deteriorating. Replacement of the asphalt pavement in the high traffic areas is required to maintain the condition of the pavement in the yard.

PROJECT LOCATION

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



★ Project Location

SCHEDULE & STATUS

This project is scheduled for FY 2018/19.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
RRWTF Parking Lot Repaving	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	
▪ Building & Site Improvements/Vehicles	50
Total	50

OPERATING COST IMPACTS

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

USEFUL LIFE: 10 years

Project	Well 9 Fence Replacement
Funding Type	Capital Repair/Replacement Funds
Program	Building & Site Improvements/ Vehicles
Priority	3
Project No.	TBD



PROJECT DESCRIPTION

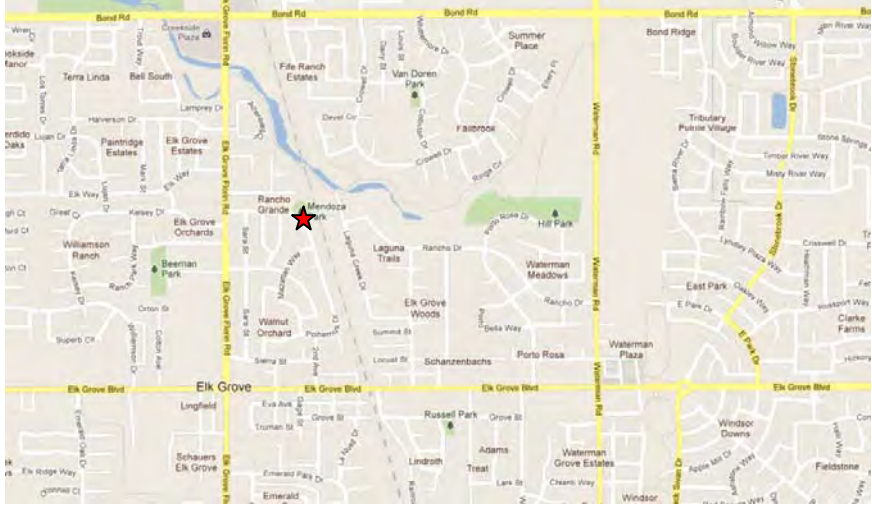
This project replaces the fence at the site of Well 9.

JUSTIFICATION

The perimeter fence at Well 9 is in a poor state of repair and requires replacing. The fence is topped with razor ribbon in manner that places the ribbon at eye level when entering and exiting the site through the gate. This creates a hazardous situation requiring corrective action.

PROJECT LOCATION

The address for the administration building is 9257 Elk Grove Blvd, #A, Elk Grove, California.



★ Project Location

SCHEDULE & STATUS

This project is scheduled for construction in FY 2017/18.

EXPENDITURE SCHEDULE

(in thousands \$)

Project	Planned Expenditures					Total
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
Well 9 Fence Replacement	15	0	0	0	0	15
with inflation (3%)	15	0	0	0	0	15

Expenditure breakdown: no design, 100% construction

FUNDING SOURCES

(in thousands \$)

USER FEES

Capital Improvement Funds	
▪ Building & Site Improvements/Vehicles	15
Total	15

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

Project	Unforeseen Capital Projects
Funding Type	Unforeseen Capital Projects Funds
Program	Unforeseen Capital Projects
Priority	N/A
Project No.	TBD



PROJECT DESCRIPTION

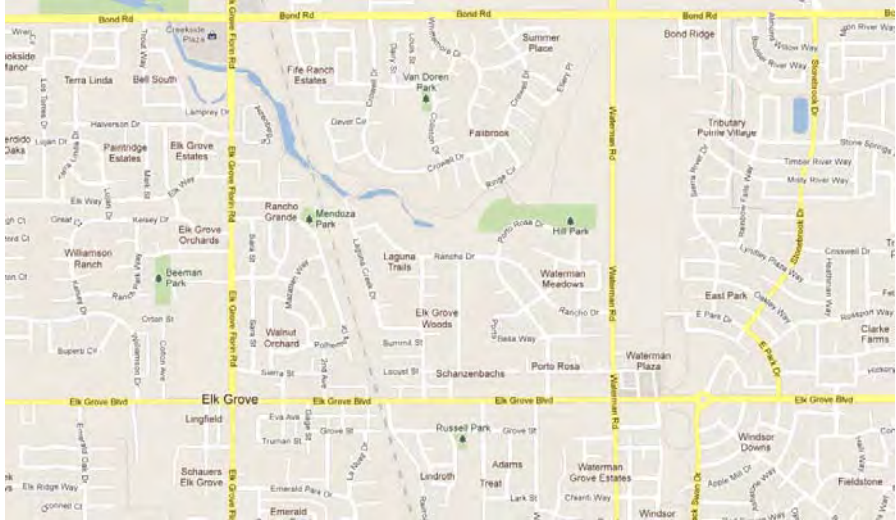
This project provides reserve funds for unforeseen future capital projects.

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
	FY17/18	FY18/19	FY19/20	FY20/21	FY21/22	
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
Total	500

OPERATING COST IMPACTS

It is not know 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
2	Service Line Replacements <i>pg. 10</i>	79
3	Kent St. Water Main <i>pg. 12</i>	62
3	Truman St./Adams St. Water Main <i>pg. 14</i>	62
3	School/Locust/Summit Alley Water Main <i>pg. 16</i>	62
3	Elk Grove Blvd Grove St. Alley Water Main <i>pg. 18</i>	62
3	Locust St.-Elk Grove Blvd Alley/Derr St. Water Main <i>pg. 20</i>	62
4	Elk Grove Blvd Water Main <i>pg. 22</i>	56
2	Lark St. Water Main <i>pg. 24</i>	73
1	Well Rehabilitation Program <i>pg. 26</i>	91
3	Railroad Corridor Water Line <i>pg. 28</i>	64
3	Backyard Water Mains/Services Replacement <i>pg. 30</i>	63
3	Cadura Circle Water Main Looping <i>pg. 32</i>	64
3	Mormon Church Water Main Looping <i>pg. 34</i>	64
3	Kilkenny Ct. Water Main <i>pg. 36</i>	64
3	Leo Virgo Ct. Water Main <i>pg. 38</i>	64
1	Media Replacement Filter Vessels <i>pg. 40</i>	82
1	Chlorine Tank Replacement - ClorTec Room <i>pg. 42</i>	94
1	Well 3 Pump Replacement /VFD <i>pg. 46</i>	82
1	Well 8 Pump Replacement <i>pg. 44</i>	82
1	Radio Antennas <i>pg. 48</i>	97
3	Truck Replacements <i>pg. 50</i>	60
1	RRWTF Modular Meeting Room & I.T. Center <i>pg. 52</i>	80
4	HWTP Roof Replacement <i>pg. 54</i>	53
2	RRWTF Parking Lot Repaving <i>pg. 56</i>	76
3	Well 9 Fence Replacement <i>pg. 58</i>	65

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APPENDIX B – CIP PRIORITY RANKING CRITERIA SCORE SHEETS

▪ **FY 2018-2022 WATER SUPPLY / TREATMENT IMPROVEMENT PROJECTS**

- Service Line Replacements
- Kent St. Water Main
- 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
- Well Rehabilitation Program
- Railroad Corridor Water Line
- Backyard Water Mains/Services Replacement
- Cadura Circle Water Main Looping
- Mormon Church Water Main Looping
- Kilkenny Ct. Water Main
- Leo Virgo Ct. Water Main
- Media Replacement Filter Vessels
- Chlorine Tank Replacement - ClorTec Room
- Well 3 Pump Replacement/VFD
- Well 8 Pump Replacement
- Radio Antennas

▪ **FY 2018-2022 BUILDING & SITE IMPROVEMENT/VEHICLES PROJECTS**

- Truck Replacements
- RRWTF Modular Meeting Room & I.T. Center
- HVWTP Roof Replacement
- RRWTF Parking Lot Repaving
- Well 9 Fence Replacement

**FY 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 79
RAW SCORE = 64

Service Line Replacements

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = H		58.50
	A	<input type="checkbox"/> H- 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		0.00
	<input type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Service Line Replacements*

Impact = ; Probability = 75.00 <-- Totals from

Water Supply (E 2)

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *due to restricted flow to customers and old infrastructure*

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% *← likelihood is high*

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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 62

Kent St. Water Main

RAW SCORE = 49

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *Kent St. Water Main*

Impact = ; Probability = 75.00 ← Totals from

Water Supply (E 2)
Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *remains 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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 62

Truman St./Adams St. Water Main

RAW SCORE = 49

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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*

	Water Supply (E 2)	Impact =	Probability =	75.00	← Totals from				
<p>Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure</p>									
<p>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:</p>									
<p>Probability</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: center;">High</td> <td style="text-align: center;">Med.</td> <td style="text-align: center;">Low</td> </tr> </table>							High	Med.	Low
	High	Med.	Low						
Impact	High	<table border="1" style="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	<p>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.</p> <p>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 <i>4" mains are undersized for fire protection</i> 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.</p> <p>Probability of impact occurring: High – Likely to almost certain 65% – 100% Medium – Possible 35% – 65% ← Low – Unlikely or rare 0% – 35%</p>			
	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				
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					
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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 62

RAW SCORE = 49

School/Locust/Summit Alley Water Main

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *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	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 *remains 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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 62

Elk Grove Blvd Grove St. Alley Water Main

RAW SCORE = 49

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
	C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))	
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
	Positive Interaction (E 4) - Check all that apply		
	<input checked="" type="checkbox"/>	With the Community	
	<input type="checkbox"/>	With other agencies	
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - Check all that apply		
	<input checked="" type="checkbox"/>	Promotes water use efficiency	
	<input type="checkbox"/>	Promotes groundwater basin management	
	<input checked="" type="checkbox"/>	Promotes energy efficiency or incorporates energy efficient features	
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *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 *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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 62

Locust St.-Elk Grove Blvd Alley/Derr St. Water Main

RAW SCORE = 49

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *Locust St. - Elk Grove Blvd Alley / Derr St. Main*

75.00 <-- Totals from

Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *remains 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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 56

Elk Grove Blvd. Water Main

RAW SCORE = 45

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = M		34.50
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> L 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]. (H, M, L)	
C	<input type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *Elk Grove Blvd. Main*

	<p>Water Supply (E 2) Impact = ; Probability = 75.00 <-- 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)</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>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:</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>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.</p> <p>Impact: <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 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 <i>meters in backyard are inaccessible due diff to access and fed by an old #1 main.</i> <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>Probability of impact occurring: <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>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".</p> <p>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].</p> <p>Effect of Project Impact: <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 & 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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>Project Urgency: <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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 73
RAW SCORE = 58

Lark St. Water Main

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		50.25
	A	<input checked="" type="checkbox"/> H- 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
	C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))	
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		5.63
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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	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%

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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 91

RAW SCORE = 73

Well Rehabilitation Program

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		68.25
	A	<input checked="" type="checkbox"/> H+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		2.50
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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>Water Supply (E 2) Impact = ; Probability = 75.00 ← 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>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>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:</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;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H+</td> <td style="text-align: center;">H-</td> <td style="text-align: center;">M+</td> </tr> <tr> <td style="text-align: center;">55</td> <td style="text-align: center;">42</td> <td style="text-align: center;">30</td> </tr> </table> </td> <td style="text-align: center;">H-</td> <td style="text-align: center;">M+</td> </tr> <tr> <td style="text-align: center;">Med.</td> <td style="text-align: center;">H-</td> <td style="text-align: center;">M+</td> <td style="text-align: center;">M-</td> </tr> <tr> <td></td> <td style="text-align: center;">42</td> <td style="text-align: center;">30</td> <td style="text-align: center;">17</td> </tr> <tr> <td style="text-align: center;">Low</td> <td style="text-align: center;">M+</td> <td style="text-align: center;">M-</td> <td style="text-align: center;">L</td> </tr> <tr> <td></td> <td style="text-align: center;">30</td> <td style="text-align: center;">17</td> <td style="text-align: center;">5.5</td> </tr> </tbody> </table>			Probability					High	Med.	Low	Impact	High	<table border="1" style="border-collapse: collapse;"> <tr> <td style="text-align: center;">H+</td> <td style="text-align: center;">H-</td> <td style="text-align: center;">M+</td> </tr> <tr> <td style="text-align: center;">55</td> <td style="text-align: center;">42</td> <td style="text-align: center;">30</td> </tr> </table>	H+	H-	M+	55	42	30	H-	M+	Med.	H-	M+	M-		42	30	17	Low	M+	M-	L		30	17	5.5	<p>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.</p> <p>Impact: <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></p> <p><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</p> <p><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>Probability of impact occurring: <u>High</u> – Likely to almost certain 65% – 100% <i>Prod. & water quality will decline w/o rehabs.</i></p> <p><u>Medium</u> – Possible 35% – 65%</p> <p><u>Low</u> – Unlikely or rare 0% – 35%</p>
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<p>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".</p> <p>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].</p> <p>Effect of Project Impact: <u>High (H)</u> – Provides benefits for more than 30,000 customers.</p> <p><u>Medium (M)</u> – Provides benefits for 10,000 to 30,000 customers. <i>Affects Service Area 1 customers.</i></p> <p><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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>Project Urgency: <u>Immediate Need (I)</u> – Project is needed to meet current demands or regulations within the next three (3) years. <i>←</i></p> <p><u>Short-Term Need (S)</u> – Project is needed to meet demands or regulations within the next three to five (3 - 5) years.</p> <p><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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 64

Railroad Corridor Water Line

RAW SCORE = 52

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = H		42.75
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> L 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		3.75
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *Railroad Corridor Water Line*

PRIORITY SCORE =
RAW SCORE = 100

	<p>Water Supply (E 2) Impact = ; Probability = 75.00 ← 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>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:</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="2" 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></td> <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>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.</p> <p>Impact: <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 <i>This proj. installs a major T-main between RRUTP & Hampton allowing for much greater redundancy in EGWD distr. system</i> <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>Probability of impact occurring: <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
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<p>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".</p> <p>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].</p> <p>Effect of Project Impact: <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>Impacts Service Area 1 primarily</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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>Project Urgency: <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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 63

RAW SCORE = 50

Backyard Water Mains/Services Replacement

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = M		41.25
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input checked="" type="checkbox"/> S Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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>Water Supply (E 2) Impact = ; Probability = 75.00 ← 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)</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>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:</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>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.</p> <p>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. ← <i>Backyard mains undersized and difficult to access to repairs leaks. Current configuration has district-owned infrastructure related to frost-yer meters on private property</i> 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.</p> <p>Probability of impact occurring: High – Likely to almost certain 65% – 100% Medium – Possible 35% – 65% ← Low – 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
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<p>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".</p> <p>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].</p> <p>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. ← <i>Impacts areas of Service Area 1</i> Low (L) – 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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>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.</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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 64

RAW SCORE = 52

Cadura Circle Water Main Looping

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = M		42.75
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> L 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Cadara Circle Water Main Looping*

75.00 <-- Totals from

Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

Probability of impact occurring:

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

Criterion B: Improving Existing Assets

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

Definition:

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

Effect of Project Impact:

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 64
RAW SCORE = 52

Mormon Church Water Main Looping

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = M		42.75
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> L 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		3.75
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 *Mormon Church Water Main Looping*

75.00 <-- Totals from

Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup

Low – Without the project, the District can continue meeting current or future demand and/or water quality standards or regulations. However, the system will advance to a higher state of risk, or the project is related to a backup system.

Probability of impact occurring:

High – Likely to almost certain 65% – 100%

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

H+ Determine the appropriate rating for the project as it pertains to Criterion A and then enter it in the box provided.

Criterion B: Improving Existing Assets

Highest possible points are 20 points, with 20 points for "high", 11 points for "medium" and 2 points for "low".

Definition:

Project increases operation flexibility, improves maintenance capabilities, adds efficiency, or improves post disaster reliability of water utility infrastructure [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add redundancy so infrastructure can be taken off-line for maintenance].

Effect of Project Impact:

High (H) – Provides benefits for more than 30,000 customers.

Medium (M) – Provides benefits for 10,000 to 30,000 customers.

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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 64
RAW SCORE = 52

Kilkenny Ct. Water Main

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = M ; Probability = M		42.75
	A	<input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)	
	B	<input type="checkbox"/> L 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		3.75
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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*

	Water Supply (E 2)	Impact =	; Probability =	75.00 <-- Totals from																							
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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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS Priority Ranking Criteria

PRIORITY SCORE = **64**

Leo Virgo Ct. Water Main

RAW SCORE = **52**

PRIMARY OBJECTIVE (75%)	<p>Water Supply (E 2) Impact = M ; Probability = M 42.75</p> <p>A <input checked="" type="checkbox"/> M+ 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. (H+, H-, M+, M-, L)</p> <p>B <input type="checkbox"/> L 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]. (H, M, L)</p> <p>C <input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))</p>
SOCIAL FACTORS (7.5%)	<p>Social Factor - Check if applicable 5.00</p> <p><input type="checkbox"/> Promotes Emergency Recovery</p> <p>Positive Interaction (E 4) - Check all that apply</p> <p><input checked="" type="checkbox"/> With the Community <input checked="" type="checkbox"/> With other agencies</p>
ENVIRONMENTAL FACTORS (7.5%)	<p>Water Quality (E 3.2) - Check if applicable 3.75</p> <p><input checked="" type="checkbox"/> Promotes drinking water quality</p> <p>Natural Resources Sustainability (E 3.2) - Check all that apply</p> <p><input type="checkbox"/> Promotes water use efficiency <input checked="" type="checkbox"/> Promotes energy efficiency or incorporates energy efficient features</p> <p><input type="checkbox"/> Promotes groundwater basin management</p>
ECONOMIC FACTORS (10%)	<p>Lifecycle costs are minimized - Check One 0.00</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>Funding Available from Other Agencies - 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 *Leo Virgo Ct. Water Main*

	Water Supply (E 2)	Impact =	; Probability =	75.00	<-- Totals from																										
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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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 82
RAW SCORE = 65

Media Replacement Filter Vessels

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = M 58.50	
	A	<input checked="" type="checkbox"/> H- 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. (H+, H-, M+, M-, L)
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))	
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable 5.00	
	<input type="checkbox"/> Promotes Emergency Recovery	
ENVIRONMENTAL FACTORS (7.5%)	Positive Interaction (E 4) - Check all that apply	
	<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies
	Water Quality (E 3.2) - Check if applicable 1.88	
<input checked="" type="checkbox"/> Promotes drinking water quality		
Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Media Replacement Filters*

PRIORITY SCORE =
RAW SCORE = 100

	<p>Water Supply (E 2) Impact = ; Probability = 75.00 <-- 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>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:</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; border: 2px solid red;">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>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.</p> <p>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. <i>- water treatment media has a typ. life cycle of 10 yrs. Orig. Plt. media nearing end of 10 yrs.</i> 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.</p> <p>Probability of impact occurring: High - Likely to almost certain 65% - 100% Medium - Possible 35% - 65% <i>← med. probability old media will not adequately treat water in near future</i> Low - 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
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<p>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".</p> <p>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].</p> <p>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. <i>← Affects Service Area 1 customers.</i> Low (L) - 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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>Project Urgency: Immediate Need (I) - Project is needed to meet current demands or regulations within the next three (3) years. <i>←</i> 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.</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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 94
RAW SCORE = 75

Chlorine Tank Replacement - ClorTec Room

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = H		68.25
	A	<input checked="" type="checkbox"/> H+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Chlorine Tank Replacement - Chlor-Tee Room* PRIORITY SCORE = RAW SCORE = 100

	<p>Water Supply (E 2) Impact = ; Probability = 75.00 <-- 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)</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>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:</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2"></td> <th colspan="3">Probability</th> </tr> <tr> <td colspan="2"></td> <th>High</th> <th>Med.</th> <th>Low</th> </tr> <tr> <th rowspan="3">Impact</th> <th>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>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>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> </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>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.</p> <p>Impact: <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>- Chlorine tank shell is failing. This is critical infrastructure to District's mtg of drinking water.</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>Probability of impact occurring: <u>High</u> - Likely to almost certain 65% - 100% <i>← Failure in time is likely.</i> <u>Medium</u> - Possible 35% - 65% <u>Low</u> - Unlikely or rare 0% - 35%</p>
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<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>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".</p> <p>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].</p> <p>Effect of Project Impact: <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>← Impacts 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>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".</p> <p>Definition: Timing of when project is needed to meet water supply demands, water quality standards, or other regulations.</p> <p>Project Urgency: <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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 82
RAW SCORE = 65

Well 3 Pump Replacement/VFD

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = M		58.50
	A	<input checked="" type="checkbox"/> H- 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/>	With other agencies
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 3 Pump Replacement / VFD*

75.00 <-- Totals from

Water Supply (E 2)

Impact = ; Probability =

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets

Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:

High – Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements.

Medium – Without the project, the District likely can continue meeting current or future demands and/or water quality standards, but will be operating at a higher level of risk, potentially relying on manual operation or an existing backup *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.

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 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 82

Well 8 Pump Replacement

RAW SCORE = 65

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = M		58.50
	A	<input checked="" type="checkbox"/> H- 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		5.00
	<input type="checkbox"/> Promotes Emergency Recovery		
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/> With the Community	<input checked="" type="checkbox"/> With other agencies		
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		1.88
	<input checked="" type="checkbox"/> Promotes drinking water quality		
	Natural Resources Sustainability (E 3.2) - 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			
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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		
	Funding Available from Other Agencies - 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 8 Pump Replacement / VFD*

	Water Supply (E 2)	Impact = ; Probability =	75.00	<-- Totals from																									
WATER SUPPLY OBJECTIVE (75% of Raw Score) This Objective counts for 75% of the total score thus the point received are then multiplied by a factor of .75.	Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure																												
	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:																												
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2"></td> <th colspan="3" style="text-align: center;">Probability</th> <td rowspan="4" style="vertical-align: top; padding-left: 10px;"> 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: <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> – <u>Without the project</u>, 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>This proj. provides redundancy to District's water system.</i> <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. Probability of impact occurring: <u>High</u> – Likely to almost certain 65% – 100% ← <u>Medium</u> – Possible 35% – 65% <u>Low</u> – Unlikely or rare 0% – 35% </td> </tr> <tr> <td colspan="2"></td> <th style="text-align: center;">High</th> <th style="text-align: center;">Med.</th> <th style="text-align: center;">Low</th> </tr> <tr> <th rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">Impact</th> <th style="text-align: center;">High</th> <td style="text-align: center;"> H+ 55 </td> <td style="text-align: center;"> H- 42 </td> <td style="text-align: center;"> M+ 30 </td> </tr> <tr> <th style="text-align: center;">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></th> <th style="text-align: center;">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> </table>						Probability			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: <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> – <u>Without the project</u> , 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>This proj. provides redundancy to District's water system.</i> <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. Probability of impact occurring: <u>High</u> – Likely to almost certain 65% – 100% ← <u>Medium</u> – Possible 35% – 65% <u>Low</u> – Unlikely or rare 0% – 35%			High	Med.	Low	Impact	High	H+ 55	H- 42	M+ 30	Med.	H- 42	M+ 30	M- 17		Low	M+ 30	M- 17	L 5.5
			Probability			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: <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> – <u>Without the project</u> , 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>This proj. provides redundancy to District's water system.</i> <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. Probability of impact occurring: <u>High</u> – Likely to almost certain 65% – 100% ← <u>Medium</u> – Possible 35% – 65% <u>Low</u> – Unlikely or rare 0% – 35%																							
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	Med.	H- 42	M+ 30	M- 17																									
	Low	M+ 30	M- 17	L 5.5																									
<input type="text" value="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: <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.																													
<input type="text" value="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: <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.																													
<input type="text" value="I"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.																													

**FY 2018-2022 WATER SUPPLY / TREATMENT PROJECTS
Priority Ranking Criteria**

PRIORITY SCORE = 97
RAW SCORE = 78

Radio Antennas

PRIMARY OBJECTIVE (75%)	Water Supply (E 2) Impact = H ; Probability = M		68.25
	A	<input checked="" type="checkbox"/> H+ 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. (H+, H-, M+, M-, L)	
	B	<input checked="" type="checkbox"/> M 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]. (H, M, L)	
C	<input type="checkbox"/> I Timing of when project is needed to meet water supply demands, water quality standards, or other regulations. (I = Immediately (0-3 yrs.); S = Short-term (3-5 yrs.); L = Long-term (5+ yrs.))		
SOCIAL FACTORS (7.5%)	Social Factor - Check if applicable		7.50
	<input checked="" type="checkbox"/>	Promotes Emergency Recovery	
Positive Interaction (E 4) - Check all that apply			
<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies	
ENVIRONMENTAL FACTORS (7.5%)	Water Quality (E 3.2) - Check if applicable		1.88
	<input checked="" type="checkbox"/>	Promotes drinking water quality	
	Natural Resources Sustainability (E 3.2) - 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		
ECONOMIC FACTORS (10%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Radio Antennas*

75.00 <-- Totals from

Water Supply (E 2) Impact = ; Probability = 75.00

Water Supply capital projects are prioritized according to their ability to sustain the water utility business. "Sustain the water utility business" means the projects will repair or replace system components required to meet existing demand or water quality standards and which have a medium or high probability of failure

Criterion A: Protecting Existing Assets
Highest possible value is 55 points, with 55 points for "high", 30 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 42	M+ 30
	Med.	H- 42	M+ 30	M- 17
	Low	M+ 30	M- 17	L 5.5

Definition: Project maintains existing water utility infrastructure or is required to meet the current and future water supply demand, comply with water quality standards or meet other regulatory requirements, including Health and Safety.

Impact:
High - Without the project, the District likely can not meet normal current or future daily demand and/or water quality standards because the water utility infrastructure is in poor condition, lacks redundancy or backup, or does not meet regulatory requirements. *→ Losing vital communications w/SCADA*
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 2018-2022 BUILDING & SITE / VEHICLES PROJECTS Priority Ranking Criteria

PRIORITY SCORE = 60

Truck Replacements

RAW SCORE = 48

PRIMARY OBJECTIVE (60%)	Buildings and Grounds (EL 3.4) Impact = M ; Probability = H	46.20
	A <input checked="" type="checkbox"/> H- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards. B <input checked="" type="checkbox"/> M Project enhances building infrastructure to address treatment of staff or public issues. C <input checked="" type="checkbox"/> H Project positions the District to meet projected future space needs.	
CLEANER OBJECTIVE (10%)	Positive Interaction (E 4) - Check all that apply <input checked="" type="checkbox"/> With the Community <input type="checkbox"/> With other agencies	2.00
	Good Neighbor (E 4) - 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	
GREENER OBJECTIVE (15%)	Natural Resources Sustainability (E 3.2) - 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	
	Trails & Open Space (E3.3) - 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	
LEANER OBJECTIVE (15%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 & GROUNDS PROJECTS Priority Ranking Criteria

Project Name Here *Truck Replacements*

PRIORITY SCORE =
RAW SCORE = 100

Buildings and Grounds (EL 3.4)	Impact =	; Probability =	60.0
---------------------------------------	----------	-----------------	------

Buildings and Grounds capital projects are prioritized according to their ability to sustain the District's support functions.

Criterion A: Protect Existing Assets

Highest possible value is 55 points, with 55 points for "high", 33 points for "medium" and 5.5 points for "low". The intermediate scores are shown below:

		Probability		
		High	Med.	Low
Impact	High	H+ 55	H- 44	M+ 33
	Med.	H- 44	M+ 33	M- 19.3
	Low	M+ 33	M- 19.3	L 5.5

Definition: Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards

Impact:

High – Without the project, District staff likely can not perform their normal daily work or an unsafe condition is present with the public.

Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. *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,*

Medium – Possible 35% – 65%

Low – Unlikely or rare 0% – 35%

mileage and general condition of equipment.

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.

BUILDINGS & GROUNDS OBJECTIVE
Clean (60% of Raw Score)

FY 2018-2022 BUILDING & SITE / VEHICLES PROJECTS
Priority Ranking Criteria

PRIORITY SCORE = 80

RRWTF Modular Meeting Room & I.T. Center

RAW SCORE = 64

PRIMARY OBJECTIVE (60%)	Buildings and Grounds (EL 3.4) Impact = M ; Probability = M		60.00
	A	<input checked="" type="checkbox"/> H+ Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input type="checkbox"/> H Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input type="checkbox"/> H Project positions the District to meet projected future space needs.	
CLEANER OBJECTIVE (10%)	Positive Interaction (E 4) - Check all that apply		4.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	Good Neighbor (E 4) - 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	
GREENER OBJECTIVE (15%)	Natural Resources Sustainability (E 3.2) - 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
	Trails & Open Space (E3.3) - 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	
LEANER OBJECTIVE (15%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE =

Project Name Here *RRWTF Modular Meeting Room + I.T. Center*

RAW SCORE = 100

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; border-radius: 50%; padding: 2px;">H+</div> 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. *← The I.T. Dept currently has the District's servers in multiple locations making routine maintenance unnecessarily difficult centralizing to I.T. operation will make the*
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. *operation more efficient. Additionally, field crews currently use the District's Adams Bldg. conf. room for training sessions which is undersized for 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%
Medium - Possible 35% - 65%
Low - Unlikely or rare 0% - 35%

purpose. There is not enough parking and some vehicles are parked across the street in a vacant lot making a situation where some staff are required to cross Elk from Blvd. which is busy and w/o a crosswalk near this location to reach their destination.

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.

BUILDINGS & GROUNDS OBJECTIVE
Clean (60% of Raw Score)

FY 2018-2022 BUILDING & SITE / VEHICLES PROJECTS Priority Ranking Criteria

PRIORITY SCORE = 53

HVWTP Roof Replacement

RAW SCORE = 43

PRIMARY OBJECTIVE (60%)	Buildings and Grounds (EL 3.4) Impact = M ; Probability = H <div style="text-align: right; border: 1px solid black; padding: 2px;">38.58</div> <p>A <input checked="" type="checkbox"/> M- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.</p> <p>B <input checked="" type="checkbox"/> H Project enhances building infrastructure to address treatment of staff or public issues.</p> <p>C <input checked="" type="checkbox"/> H Project positions the District to meet projected future space needs.</p>										
CLEANER OBJECTIVE (10%)	Positive Interaction (E 4) - Check all that apply 4.00 <input checked="" type="checkbox"/> With the Community <input type="checkbox"/> With other agencies										
GREENER OBJECTIVE (15%)	Natural Resources Sustainability (E 3.2) - Check all that apply 0.00 <table style="width: 100%; border: none;"> <tr> <td style="border: none;"><input type="checkbox"/> Air Quality & 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>Trails & Open Space (E3.3) - Check all that apply</p> <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"/> 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											
LEANER OBJECTIVE (15%)	Lifecycle costs are minimized - 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										
	Funding Available from Other Agencies - 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*

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>Definition: Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p>Impact: <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>Probability of impact occurring: <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	
<input type="text" value="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:					
<u>High</u> (H) – Provides benefits for all employees or the public. ←					
<u>Medium</u> (M) – Provides benefits for between 10 to all employees.					
<u>Low</u> (L) – Provides benefits for below 10 employees.					
<input type="text" value="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:					
<u>High</u> (H) – Meet projected demand 10 years in the future. ←					
<u>Medium</u> (M) – Meet projected demand 10 to 20 years in the future.					
<u>Low</u> (L) – Meet projected demand beyond 20 years in the future.					
<input type="text" value="H"/> Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.					

FY 2018-2022 BUILDING & SITE / VEHICLES PROJECTS
Priority Ranking Criteria

PRIORITY SCORE = 76

RRWTF Parking Lot Repair

RAW SCORE = 61

PRIMARY OBJECTIVE (60%)	Buildings and Grounds (EL 3.4) Impact = M ; Probability = H		53.40
	A	<input checked="" type="checkbox"/> H- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> H Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> H Project positions the District to meet projected future space needs.	
CLEANER OBJECTIVE (10%)	Positive Interaction (E 4) - Check all that apply		6.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	Good Neighbor (E 4) - 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	
GREENER OBJECTIVE (15%)	Natural Resources Sustainability (E 3.2) - 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
	Trails & Open Space (E3.3) - 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	
LEANER OBJECTIVE (15%)	Lifecycle costs are minimized - Check One		1.50
	<input type="checkbox"/>	Annual cost savings of more than \$50,000	
	<input type="checkbox"/>	Annual cost savings of \$10,000 to \$50,000	
	<input checked="" type="checkbox"/>	Annual cost savings of less than \$10,000	
	Funding Available from Other Agencies - 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 *RRWTF Parking Lot Repairs*

PRIORITY SCORE =
RAW SCORE = 100

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>Definition: Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.</p> <p>Impact: <u>High</u> – Without the project, District staff likely can not perform their normal daily work <u>Medium</u> – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. <i>Deteriorating pavement will cause work arounds</i> <u>Low</u> – Without the project, District staff can continue to perform their daily work. However, the building is at risk from a seismic event or continues to deteriorate to a critical condition where staff cannot perform their daily work.</p> <p>Probability of impact occurring: <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	
<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.					
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:					
<u>High (H)</u> – Provides benefits for all employees or the public. ←					
<u>Medium (M)</u> – Provides benefits for between 10 to all employees.					
<u>Low (L)</u> – Provides benefits for below 10 employees.					
<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.					
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:					
<u>High (H)</u> – Meet projected demand 10 years in the future. ←					
<u>Medium (M)</u> – Meet projected demand 10 to 20 years in the future.					
<u>Low (L)</u> – Meet projected demand beyond 20 years in the future.					
<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.					

FY 2018-2022 BUILDING & SITE / VEHICLES PROJECTS
Priority Ranking Criteria

PRIORITY SCORE = 65

Well 9 Fence Replacement

RAW SCORE = 52

PRIMARY OBJECTIVE (60%)	Buildings and Grounds (EL 3.4) Impact = M ; Probability = H		46.20
	A	<input checked="" type="checkbox"/> H- Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer or public safety standards.	
	B	<input checked="" type="checkbox"/> M Project enhances building infrastructure to address treatment of staff or public issues.	
	C	<input checked="" type="checkbox"/> H Project positions the District to meet projected future space needs.	
CLEANER OBJECTIVE (10%)	Positive Interaction (E 4) - Check all that apply		6.00
	<input checked="" type="checkbox"/>	With the Community	<input checked="" type="checkbox"/> With other agencies
	Good Neighbor (E 4) - 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	
GREENER OBJECTIVE (15%)	Natural Resources Sustainability (E 3.2) - 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
	Trails & Open Space (E3.3) - 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	
LEANER OBJECTIVE (15%)	Lifecycle costs are minimized - 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	
	Funding Available from Other Agencies - 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 *Well 9 fence Replacement*

PRIORITY SCORE =
RAW SCORE = 100

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	Definition: Project maintains or replaces existing building infrastructure to provide continuous housing of existing functions and/or to comply with employer safety standards.	
	High Med. Low		
Impact	High	Med.	Low
High	H+ 55	H- 44	M+ 33
Med.	H- 44	M+ 33	M- 19.3
Low	M+ 33	M- 19.3	L 5.5
	Impact:		
	High – Without the project, District staff likely can not perform their normal daily work		
	Medium – Without the project, District staff likely can only perform their normal daily work in a restricted manner for a limited duration and with work-arounds. <i>Safety issue that employees have to be aware of!</i>		
	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%		
	<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.		
	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. <i>←</i>		
	Low (L) – Provides benefits for below 10 employees.		
	<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion B and then enter it in the box provided.		
	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. <i>←</i>		
	Medium (M) – Meet projected demand 10 to 20 years in the future.		
	Low (L) – Meet projected demand beyond 20 years in the future.		
	<input type="checkbox"/> H Determine the appropriate rating for the project as it pertains to Criterion C and then enter it in the box provided.		

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Jim Malberg, Finance Manager/Treasurer

SUBJECT: **ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 OPERATING BUDGET**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution No. 06.21.17.03 approving the Elk Grove Water District Fiscal Year 2017-18 Operating Budget.

Summary

Elk Grove Water District staff, guided by the Finance Committee, has developed the proposed Elk Grove Water District's (EGWD) Fiscal Year (FY) 2017-18 Operating Budget for the Board's consideration. A revenue adjustment of three percent (3%), to be implemented in January 2018, is included in this budget.

By this action, the Board would approve the proposed EGWD FY 2017-18 Operating Budget containing revenues of approximately \$14,294,096, and projected expenditures of approximately \$14,298,051 including deposits into the Repair and Replacement and Long-Term Capital Improvement Reserves. The projected expenditures in excess of revenues are approximately \$3,955 which will be contributed from reserves to structurally balance the budget.

DISCUSSION

Background

The EGWD is a department of the Florin Resource Conservation District (FRCD) and has a fiscal year that runs from July 1 to June 30. Staff initiated a program in April to prepare the EGWD FY 2017-18 budget and this budget should be adopted by June 30, 2017. Staff has continued a process that involves multiple Board reviews with public participation being encouraged.

ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 OPERATING BUDGET

Page 2

Staff presented the first draft of the proposed FY 2017-18 Operating Budget to the Board at the May 3, 2017 Finance Committee meeting. A second draft was also presented at the May 24, 2017 Finance Committee meeting.

During those meetings, staff received direction from the Board and has made the requested changes as directed. These changes are included in the attached budget document being recommended for adoption.

Present Situation

Staff is presenting the proposed EGWD FY 2017-18 Operating Budget. This budget does not include expenditures for the Capital Improvement Program (CIP) for FY 2017-18. The CIP is scheduled for adoption on June 21, 2017 as well, prior to this agenda item.

ENVIRONMENTAL CONSIDERATIONS

There is no environmental action associated with this item.

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

The EGWD FY 2017-18 budget projects total revenues of approximately \$14.294 million and total expenditures of approximately \$14.298 million including deposits into the Repair and Replacement and Long-Term Capital Improvement Reserves of approximately \$1.70 million. The projected expenditures in excess of revenues are approximately \$3,955 which will be contributed from reserve funds. This budget includes a revenue adjustment of 3% starting in January 2018.

ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 OPERATING BUDGET

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Despite many non-discretionary cost increases, staff undertook exhaustive efforts to find cost reductions and these are reflected in the proposed FY 2017-18 budget. The proposed budget has an increase in total operating expenditures of \$576,519 (4.20%) from the adopted budget for FY 2016-17. The major highlights are listed below and comparisons made are against the budgeted amounts for FY 2016-17.

- This budget includes a 3% revenue adjustment beginning in January 2018. This is less than the 4½% recommended in the 2013 Water Rate Study presented and approved by the Board on June 26, 2013. The 1½% will be deferred to a future year along with the 1/2% that was deferred in January 2017.
- Total Salaries and Benefit costs will decrease by \$9,867 (0.24%).
 - Individual salaries will increase slightly due to a proposed 2.73% cost of living adjustment, however there will be an overall savings due to the freezing of the Associate Engineer position. This year's budget includes \$118,483 for Holiday Pay, as well as amounts for vacation and personal time pay, with reductions being made to reflect the Executive, Exempt and Non-Exempt Salaries by like amounts.
 - Total benefits costs will increase \$18,190 (1.27%). Medical benefits will increase \$34,874 (4.98%), Retirement benefit costs will decrease by \$2,751 (0.73%) and Worker's Compensation costs will increase by \$11,261 (10.00%). The Post Employment Retirement Benefits will decrease by \$10,602 (10.26%) as the result of the actuarial valuation being updated reflecting the change in the beneficiary population and the current trends in projected medical cost increases.
 - The FY 2017-18 budget also includes \$15,000 for an internship program and \$15,000 for the District's contribution towards employee's Health Savings Account (HSA) when employees select the high deductible medical plan.
- Total Seminars, Conventions and Travel will increase by \$5,930 (13.30%)
- Total Office and Operational Costs will decrease by \$60,707 (5.81%).
 - Advertising will decrease \$30,500 primarily due to decreased public outreach related to the drought.
 - Insurance will increase by \$7,990 (10%) due increased premiums.

ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 OPERATING BUDGET

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- Licenses, Certificates, Fees will decrease by \$6,250 (63.45%) based on actual activity in the current fiscal year.
 - Repair and Maintenance – Automotive is increasing by \$18,000 (65.55%) based on actual expenses in FY 2016-17.
 - Staff reviewed the current year's expenditures for Materials and determined that the budget should be increased by \$60,000 (66.67%). This follows a reduction of approximately \$116,000 in FY 2016-17.
 - Chemical expense will decrease by \$65,000 related to costs associated with operating the Hampton Village Water Treatment Plant.
 - Postage costs will increase by \$12,900 (17.82%) due to a reclassification of expenditures. This will be partially offset by \$9,550 of printing costs.
 - Safety equipment will decrease by \$13,000 (64.68%) as the District's safety program has been implemented.
 - Supplies will decrease by \$16,000 (43.48%) based actual expenditures during the current fiscal year.
 - Water Conservation costs will decrease by \$20,000 (66.67%) as the District has returned to a normal stage related to consumption.
- The Purchased Water line item will increase by \$88,031 (3.01%) due in part to an anticipated increase in consumption. Variable rate charges by Sacramento County Water Agency (SCWA) are anticipated to increase by approximately 9% to \$1.43 per hundred cubic feet (ccf). 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 will increase by \$42,310 (4.96%)
 - Bank charges will increase \$38,000 (39.58%) as more customers use credit cards to pay their bill and lockbox services are fully implemented.
 - Contracted Services will decrease by \$60,280 (20.59%) primarily due to the completion of the IT Security Audit.
 - Water Conservation Services will decrease by \$32,500 for consulting services related to reduced conservation efforts.
 - Engineering costs will increase by \$25,000 (50.00%) as the District undertakes a needs assessment related to the Administration building.
 - Financial Consultants will increase by \$75,000 (750%) due to the District initiating a new 5 year Water Rate Study.

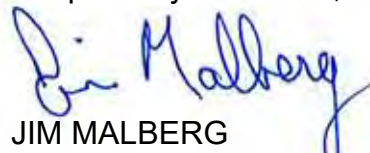
ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 OPERATING BUDGET

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- Equipment Rent, Taxes and Utility costs will increase by \$24,185 (6.28%) as a result of increased electricity costs.
- Capital Improvement Funding remains unchanged with contributions to the Repair & Replacement Reserve as well as the Long-Term Capital Improvement Reserve for a total of \$1,700,000.
- Bond retirement and related interest expenses have increased by \$625,449 following a reduction in the prior year of \$457,340 due to the refinancing of \$16 million of debt. The anticipated annual budget savings for the remaining term of the outstanding debt is \$194,000.
- There is also a decrease of \$108,000 in the budget for election costs in 2017.
- This budget anticipates capitalizing \$560,829 of Salaries and Benefits for capital improvements constructed by the Distribution and Utility Departments, which are funded in the Five-Year Capital Improvement Program.
- The budget as recommended will meet all bond covenant requirements as follows:
 - Covenant No. 1 - No longer required
 - Covenant No. 2 – 1.53 (1.15 required)
- To maintain conservative fiscal practices, the proposed EGWD FY 2017-18 Budget does not reflect grants or any other type of special funding.

The attached EGWD FY 2017-18 Operating Budget contains many schedules and graphs detailing the recommended budget. Staff is recommending that the Board of Directors approve Resolution No. 06.21.17.03, approving the proposed Elk Grove Water District Fiscal Year 2017-18 Operating Budget.

Respectfully submitted,



JIM MALBERG
FINANCE MANAGER/TREASURER

Attachments

RESOLUTION NO. 06.21.17.03

**RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD
OF DIRECTORS APPROVING THE ELK GROVE WATER DISTRICT FISCAL YEAR
2017-18 OPERATING BUDGET**

WHEREAS, the Florin Resource Conservation District (FRCD) has held several public meetings to review the proposed revenues and expenditures for the Elk Grove Water District for the Fiscal Year July 1, 2017 through June 30, 2018; and

WHEREAS, and the Board has received and considered the proposed Elk Grove Water District FY 2017-18 Budget submitted by the Finance Manager/Treasurer on June 21, 2017.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Florin Resource Conservation District, hereby:

1. Approve the Total Revenues of \$14,294,096 for the proposed Elk Grove Water District FY 2017-18 Budget.
2. Approve the Total Expenditures of \$14,298,051 for the proposed Elk Grove Water District FY 2017-18 Budget.
3. Authorize the General Manager to redistribute allocated budgeted amounts between line items within the budget categories.
4. Approve FY 2017-18 Rate and Fee Schedule which includes a three percent (3%) water rate increase effective January 1, 2018.
5. Defer one and one-half percent (1½%) of the annual water rate increase scheduled January 1, 2018 to a future year.
6. Approve FY 2017-18 Salary Schedule.

PASSED, APPROVED, AND ADOPTED this 21st day of June 2017.

**AYES:
NOES:
ABSENT:
ABSTAIN:**

Tom Nelson
Chairman of the Board of Directors

ATTEST:

Stefani Phillips
Secretary to the Board of Directors

#



ELK GROVE WATER DISTRICT

FY 2017-2018

OPERATING BUDGET



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GOVERNING VALUES

Board members and employees of the FRCD and EGWD 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.

June 21, 2017



To: Florin Resource Conservation District Board of Directors
From: Mark J. Madison, General Manager
Date: June 21, 2017
Subject: **ELK GROVE WATER DISTRICT FY 2017-18 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, 2017. This proposed operating budget reflects a collaborative effort between staff and the Board, as well as allowing for input from the public during several developmental meetings.

The EGWD continued to be successful this past fiscal year (2016-17) in controlling costs to maintain financial stability. This was aided as EGWD revenues are anticipated to be higher than budgeted by approximately \$549,000. Overall, the bottom-line (Revenues in Excess of Expenditures) is projected to close approximately \$1,100,000 higher than the projection in the EGWD FY 2016-17 Operating Budget. The primary cost savings were achieved in salaries and benefits, office and operational, purchased water, and careful monitoring of expenditures throughout the year.

Salary and benefit costs during FY 2016-17 were down by approximately \$275,000 and this is largely due to unfilled vacancies and previous estimates that were over budgeted. The Employee Cost Control Program (ECCP) also continued to stabilize retirement and health care costs.

Office and Operational costs are projected to be approximately \$128,000 under budget and this is primarily due to lower costs associated with Chemicals and Water Conservation Materials.

June 21, 2017

Expenditures for purchased water are projected to be approximately \$136,000 under budget. This savings is derived from reduced demands through enhanced water conservation despite an increase of 18% for purchased water.

The proposed FY 2017-18 budget is balanced and expenditures are projected to exceed revenues by approximately \$3,955. Revenues are projected to increase approximately \$580,000 in FY 2017-18, despite a mid-year increase in water rates less than the 2013 Water Rate Study approved by the Board on April 18, 2013. Information on this Rate Study and the anticipated rate increase is provided in the Financial Overview section of this budget document.

EGWD expenditures have been reduced to the maximum extent possible and to a level, which nearly matches forecasted revenues. These reductions are largely made in the estimated purchased water costs and the future capital investment accounts, previously referred to as depreciation and amortization. The proposed FY 2016-17 Operating Budget also reflects a 2.73% cost-of-living adjustment applied to salaries and related benefits.

Certain expenditures are expected to inflate, and the notable examples include medical costs (up 4.98%) and continued funding (\$10,000) budgeted for water conservation efforts. It should be noted that the medical costs would have otherwise increased by 10%, but that increase is tempered by selected employees who have now reached their cap under the EGWD defined medical contribution element of the ECCP.

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 2017-18 include the replacement of service connections and 4" water mains, , and the looping of selected water mains. Cost estimates for next year's projects are \$1,526,000 and this will be funded using capital improvement, replacement, and connection fee reserves.

The budget proposed will also adequately meet our required bond covenants for the duration of FY 2017-18.

In summary, the Elk Grove Water District will continue to maintain financial discipline during FY 2017-18 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

BUDGET HIGHLIGHTS

FISCAL YEAR 2017-18

The Elk Grove Water District (EGWD) budget for fiscal year (FY) 2017-18 projects total operating revenues of approximately \$14.294 million and total expenditures of approximately \$14.298 million including Capital Improvement and Capital Repair & Replacement Reserve contributions of approximately \$1.7 million. The projected expenditures in excess of revenues are approximately \$3,955 which staff is recommending to be contributed by reserves. This budget includes a revenue adjustment of 3.0% starting in January, 2018.

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 2017-18 budget. The proposed budget has an increase in total expenditures of \$576,519 (4.20%) from the adopted budget for FY 2016-17. The major highlights are listed below and comparisons made are against the budgeted amounts for FY 2016-17.

- This budget includes a revenue adjustment of 3.0% beginning in January, 2018 and a deferral of 1.5% to a future year. This is based on the recommendations in the 2013 Water Rate Study presented and approved by the Board on April 22, 2013 and a public hearing which adopted the recommended five year rate schedule on June 26, 2013.
- This budget is also based on one position, Customer Service Representative I, that is currently vacant will be filled during FY 2017-18. In addition, the Associate Civil Engineer position that is currently vacant has been frozen in FY 2017-18 and therefore has not been funded.
- The Total Salaries and Benefits budgeted costs will decrease by \$9,867 (0.24%).
 - Salary costs will increase by a proposed 2.73% cost of living adjustment. While this year's budget includes \$118,483 for Holiday Pay, \$121,459 for vacation pay and \$94,787 for personal time off pay, with reductions being made to reflect the Exempt and Non-Exempt Salaries by like amounts. In order to improve transparency no such allocation is made to the General Manager's salary which caused an increase of 3.23% which also includes Longevity Pay.
 - Total benefits costs will increase \$18,190 (1.27%). Medical Benefits are increasing by \$34,874 (4.98%), Dental/Vision/Life Insurance is decreasing by \$3,332 (4.90%), Retirement Benefit costs are decreasing

Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

- by \$2,751 (0.73%), OPEB costs are decreasing by \$10,602 (10.26%) and Worker's Compensation costs are increasing by \$11,261 (10.00%).
- Education Assistance will increase by \$2,300 (25.56%) based on prior years actual expenditures for employees pursuing job-related education that will enhance their skills and abilities.
- Seminars, Conventions and Travel will increase by \$5,930 (13.30%).
- Total Office and Operational Costs will decrease by \$60,707 (5.81%).
 - Advertising is decreasing by \$30,500 (85.92%) primarily due to decreased public outreach related to the end of the drought.
 - Insurance is increasing by \$7,990 (10.00%) primarily due to estimated increased insurance premiums.
 - Repair and Maintenance – Automotive is increasing by \$18,000 (65.55%) based on actual expenses in FY 2016-17.
 - Staff reviewed the current year's expenditures for Materials and determined that the budget should be increased by \$60,000 (66.67%).
 - Chemicals are decreasing by \$65,000 (56.52%) following improvements to the Hampton Village Water Treatment Plant.
 - Printing is increasing \$12,900 (17.82%) due primarily to reclassifying expenditures to the appropriate line item.
 - Postage costs are decreasing by \$9,550 (67.97%) due primarily to reclassifying expenditures to the appropriate line item.
 - Safety Equipment is decreasing by \$13,000 (64.68%) as EGWD's has completed the enhancement of the safety program.
 - Supplies are decreasing \$16,000 (43.48%) due to decreased costs in Operations.
 - Water Conservation Materials are decreasing by \$20,000 (66.67%) based on decreased conservation requirements from the drought.
- Purchased Water will increase by \$88,031 (3.01%) due to increased consumption as mandatory drought related conservation efforts have been reduced by the State. Variable rate charges by the Sacramento County Water Agency (SCWA) are anticipated to increase to \$1.43 per ccf (9.16%). 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 being increased by \$42,310 (4.96%). The primary increases are:
 - Bank Charges will increase by \$38,000 (39.58%) due to an increase in the number of customers utilizing credit cards to make payment to the District as well as the implementation of Lockbox payment processing.

Elk Grove Water District Fiscal Year 2017-18 Operating Budget

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- Contracted Services will decrease \$60,280 (20.59%) primarily due to the completion of the IT Security Audit.
- Water Conservation Services will decrease \$32,500 (100%) based on a reduction in drought related services.
- Engineering costs will increase by \$25,000 (50.00%) based on costs related to the needs assessment for the District Administration Building.
- Financial Consultants will increase by \$75,000 due to the need to perform a new Water Rate Study during FY 2017-18.
- Equipment Rent, Taxes and Utility costs will increase \$24,185 (6.28%) as a result anticipated increased electricity costs.
- Capital Improvement Funding includes contributions to the Repair & Replacement Reserve as well as the Long-Term Capital Improvement Reserve for a total of \$1,700,000 which is unchanged from the prior year.
- Bond interest expenses will increase by \$75,449 (4.29%) while bond principal retirements will increase by \$550,000 (38.19%) following a temporary decrease due to the refinancing of debt in FY 2014-15 and again in FY 2015-16.
- There is a decrease of \$108,000 in the budget for election costs.
- This budget anticipates capitalizing \$560,829 of Salaries & Benefits for capital improvements constructed by the Distribution and Utility Departments, which are funded in the Five-Year Capital Improvement Program.
- The budget as recommended will meet all bond covenant requirements as follows:
 - Covenant No. 1 – No longer required
 - Covenant No. 2 – 1.41 (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 2017-18.
- 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.

More detailed information is available in the following budget.

ELK GROVE WATER DISTRICT FINANCIAL OVERVIEW

Introduction

The Elk Grove Water District (EGWD) is a Department of the Florin Resource Conservation District (FRCD). The FRCD acquired the Elk Grove Water Works in 1999 from a local family who had owned and operated the water utility as a private water company for 103 years. This acquisition changed the governance of the water utility from private ownership to a publically owned and operated agency. The FRCD also structured this agency as an enterprise-funded department of the FRCD thereby keeping all financial activities of the water utility separate from other activities of the FRCD.

The FRCD and EGWD are governed by an elected five member Board and advice from volunteer associate Board members. Board members serve four year, staggered terms. There are not any election costs are included in this year's budget. The Board of Directors delegates the daily operations of EGWD to the General Manager, who supervises the work of 30 staff members.

EGWD provides water to nearly 12,500 homes and businesses in Elk Grove. Much of the water supplied is produced by wells located throughout Elk Grove and the treatment and storage facility on Railroad Street. 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 purchased water 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.

Accounting and Financial Practices

EGWD's accounting and budgetary records are maintained using the accrual basis of accounting. The revenues of the EGWD are recognized when they are earned and the expenses are recognized when they are incurred. The budget detailed in this document is used as a management tool for projecting and measuring revenues and expenses.

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.

Current Financial Plans

Revenues are received entirely through water rates and fees. On April 24, 2013 a Water Rate Study was approved by the Board, subject to the receipt and consideration of protests and comments before and during a public hearing conducted on June 26, 2013. On June 26, 2013, the Board conducted the public hearing and adopted the rate study recommendations for a five-year rate structure. The water rate study recommended rate adjustments over the next five years beginning on January 1, 2014, as follows:

- January 1, 2014 - 3%
- January 1, 2015 – 3%
- January 1, 2016 – 3%
- January 1, 2017 – 3.5%
- January 1, 2018 – 4.5%

The rate adjustments are necessary to fund various projects and to pay for increased operations cost, primarily due to inflation. It should be noted that the Board of Directors decided to implement rate adjustments of 3% on both January 1, 2017 and January 1, 2018 as opposed to the 3.5% and 4.5% recommended in the rate study.

Long-Term Financial Planning

With the approval of the 2013 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. Within 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. This has assisted in mitigating revenue adjustments in both FY 2016-17 and 2017-18. It is anticipated that the next five-year rate study will be conducted in FY 2017-18.

Staff conducts a review of the expenditures and revenues on an annual basis to see if the scheduled rates can be mitigated if possible. The current review of the annual and projected expenses reflects that the scheduled revenue adjustment for January 1, 2018 of 3.0% should be reflected in the FY 2017-18.

Pension and other Post-Employment benefits

The EGWD's retirement program remains with the California State Public Employees Retirement System (PERS). 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. Two retired employees receive these benefits, which is financed through a trust fund that the EGWD funds on an annual basis. The EGWD pays the medical, dental, and vision insurance premiums for 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 continuous service, and retiring from the EGWD.



FY 2017-18 BUDGET PREPARATION TIMELINE

March 28 – 8:00 am Leadership Team Budget Kick-Off.

March 28 – 9:00 am, Bruce, Steve, Richard, Jose, Jim and Mark meeting to kick off the CIP review.

April 10 – All department budget initial requests are due to FM

April 13 – FM submits to the GM the compiled, multi-colored, budget spreadsheet for first comprehensive review

April 18 (6:30 pm) – Infrastructure Committee meeting to discuss the 1st draft of the FY 2015-20 CIP

April 19 – At 8:00 am, Leadership Team meeting to review the first version of the budget spreadsheet

April 19 – GM to provide first round comments and revisions back to FM.

April 19 - Present to the Board the 3rd quarter financial report.

April 26 – FM makes the required revisions and disperses the first version of the budget spreadsheet to the Finance Committee (Board)

May 2 - (6:30pm) – Infrastructure Committee meeting to go over 2nd draft of the CIP

May 3 - (6:30pm) – The first Finance Committee is held.

May 10 – Leadership team to complete first cut at the actual budget document

May 17 – Issue the 1st cut of the actual budget document to the Finance Committee

May 17 – Present to the Board Y-T-D budget to actual data thru April 30th and address selected issues brought about at the May 3rd Finance Committee Meeting.

May 24 – 2nd Finance Committee Meeting – Review 2nd draft of the colored budget spreadsheet and the 1st cut of the actual budget document.

May 31 – Issue revised budget to Finance Committee (if necessary)

June 7 – Placeholder for a 3rd Finance Committee Meeting (if necessary)

June 14 – Complete all budgets and issue them to the Board

June 21 – Board considers all budgets for adoption.

Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

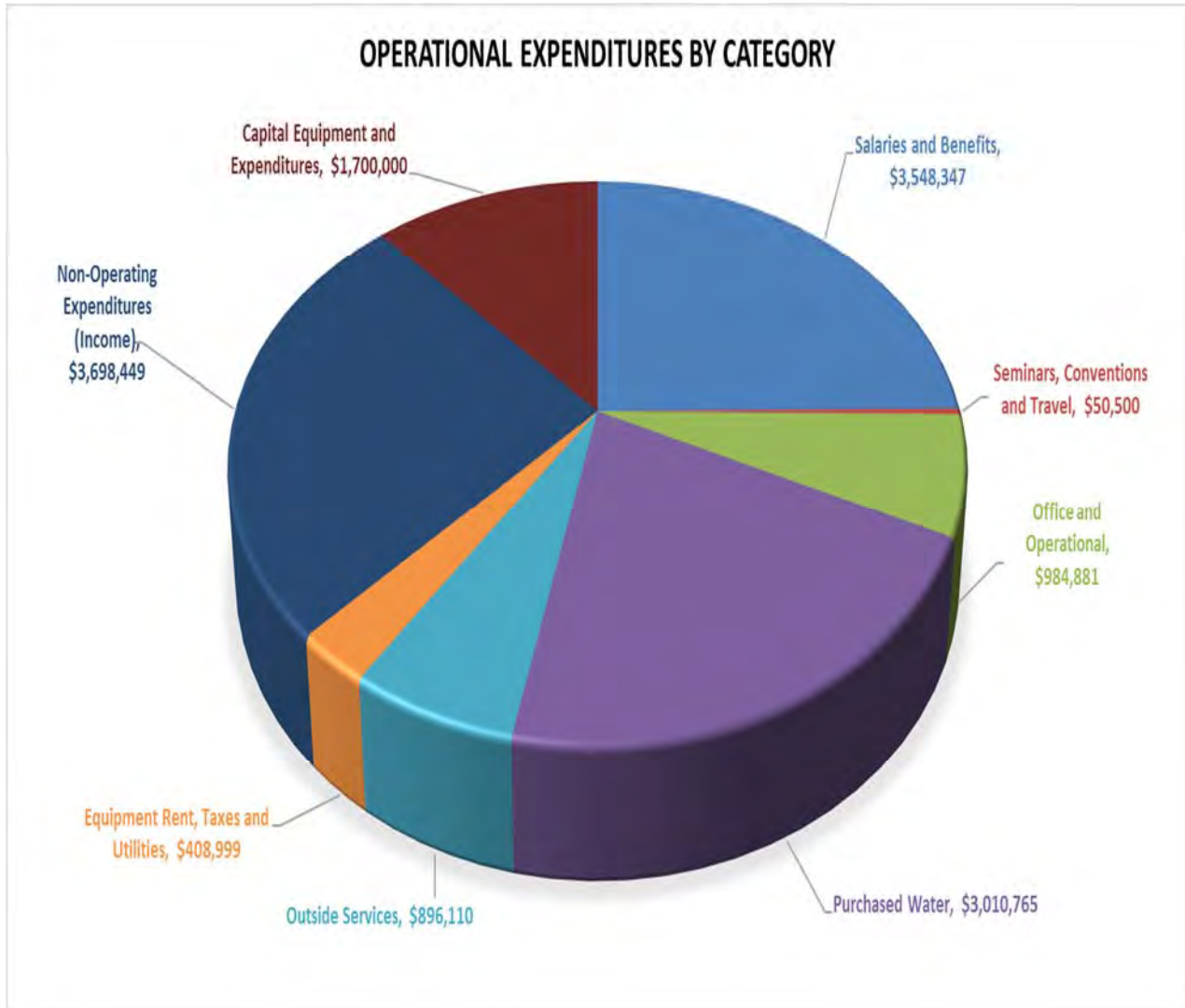
**Elk Grove Water District
Budgeted Revenues and Expenditures by Category
For the Fiscal Year ending June 30, 2018**

Expenditure	Page Reference	General Ledger Reference	FY 13-14 Actual	FY14-15 Actual	FY15-16 Actual	FY 16-17 Budget	FY16-17 Projected	FY17-18 Budget	Change in Budget
Revenues	Page 18	4100 - 4900	\$ 13,435,194	\$ 13,185,839	\$ 13,475,169	\$ 13,713,464	\$ 14,262,344	\$ 14,294,096	\$ 580,632
Salaries and Benefits	Page 21	5100 - 5280	2,829,645	3,196,675	3,189,015	4,119,044	3,843,689	4,109,177	(9,867)
Seminars, Conventions and Travel	Page 24	5300 - 5375	18,650	26,659	37,174	44,570	28,549	50,500	5,930
Office and Operational	Page 26	5410 - 5494	786,482	1,026,891	707,042	1,045,588	917,179	984,881	(60,707)
Purchased Water	Page 26	5495 - 5495	2,656,509	2,587,097	2,417,349	2,922,734	2,785,967	3,010,765	88,031
Outside Services	Page 29	5505 - 5580	482,614	753,921	690,072	853,800	543,493	896,110	42,310
Equipment Rent, Taxes and Utilities	Page 29	5620 - 5760	394,788	339,590	317,479	384,814	332,610	408,999	24,185
Subtotal Operational Expenditures			7,168,688	7,930,833	7,358,131	9,370,550	8,451,487	9,460,432	89,882
Less: Capitalized Expenditures*	Pages 21 & 26		(538,181)	(470,098)	(509,238)	(528,352)	(205,607)	(560,829)	(32,477)
Total Operational Expenses			6,630,507	7,460,735	6,848,893	8,842,198	8,245,881	8,899,602	57,404
Non-Operating Expenditures (Income)	Page 32	5810 - 9973	6,016,040	4,222,899	3,560,569	3,179,334	3,220,544	3,698,449	519,115
Capital Equipment and Expenditures	Page 32	1705 - 1760	131,290	-	1,550,000	1,700,000	1,700,000	1,700,000	-
Total Net Expenditures			12,777,837	11,683,634	11,959,462	13,721,532	13,166,424	14,298,051	576,519
Revenues in Excess of Expenditures, Principal Retirement and Capital Expenses			\$ 657,357	\$ 1,502,205	\$ 1,515,707	\$ (8,068)	\$ 1,095,920	\$ (3,955)	\$ 4,113

* This represents 70% of Salary, Benefits and Material Costs of the Utility Division which will be charged to the Capital Improvement Program

Required	Ratio
1.15	1.41
Net Income	\$ 5,394,494
Debt Service	\$ 3,823,349

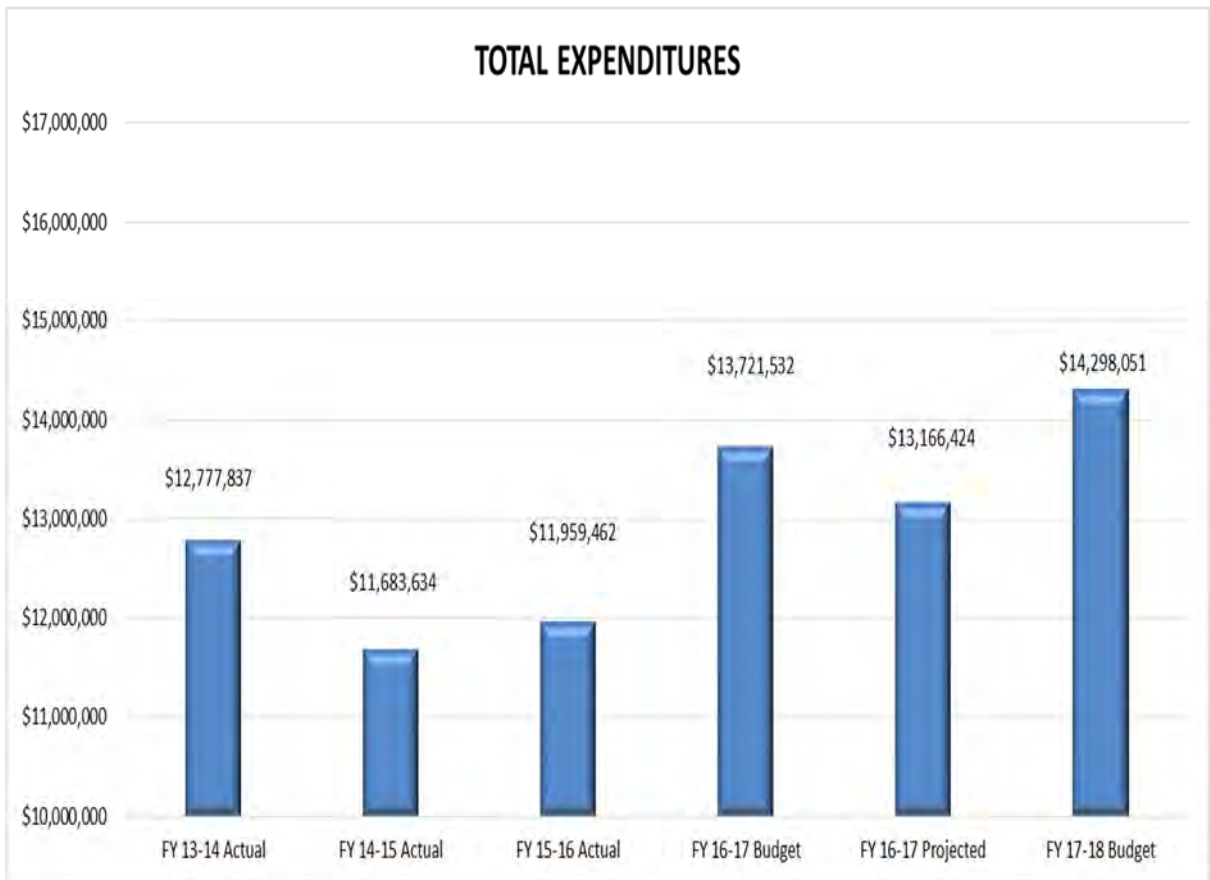
TOTAL NET EXPENDITURES \$14,298,051



The Total Net Expenditures are net of capitalized expenses of \$560,289 for the labor costs associated with the capital projects constructed by the Distribution and Utility Departments.

TOTAL NET EXPENDITURES

FISCAL YEARS 2013-14 THROUGH 2017-2018

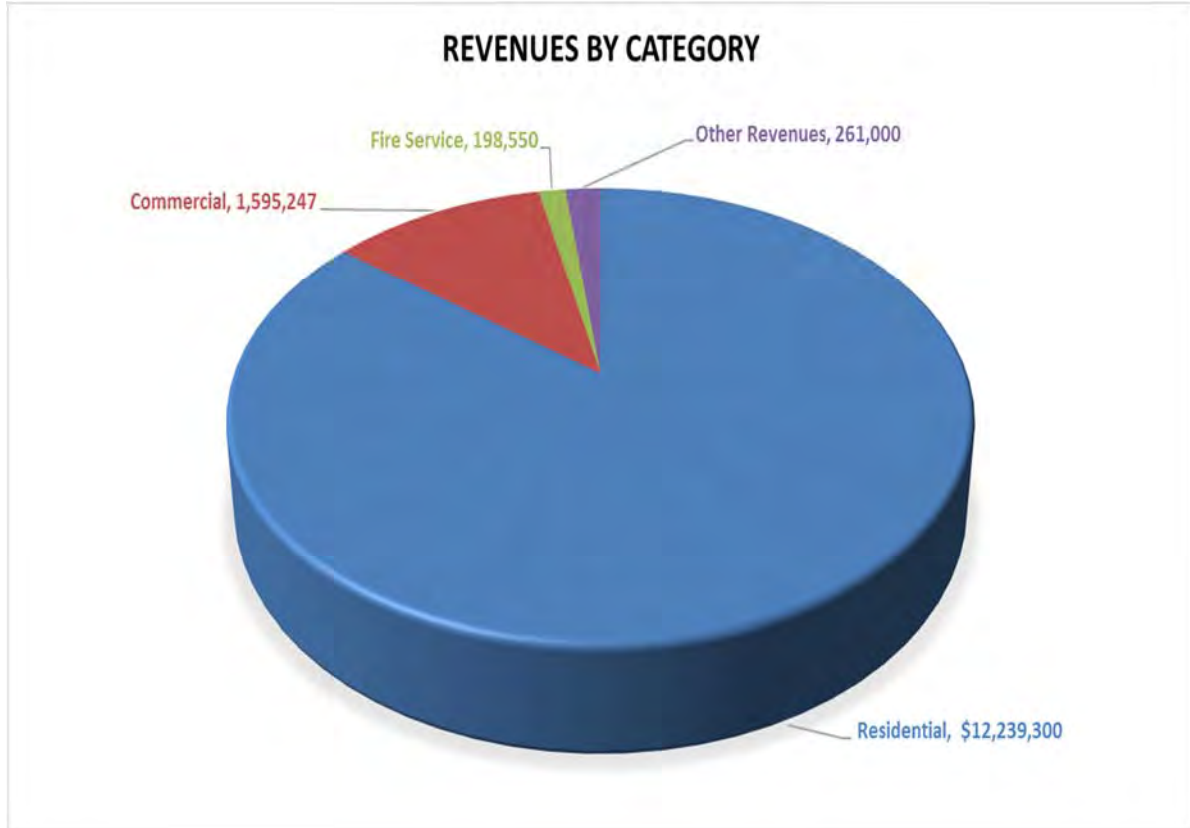


Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

Elk Grove Water District Budgeted Revenue Accounts Detail For the Fiscal Year ending June 30, 2018							
Account#	Description	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Projected	FY 17-18 Requested Budget
4100	Water Payment Revenues - Residential	\$ 11,166,355	\$ 11,248,017	\$ 11,235,110	\$ 11,901,105	\$ 12,093,297	\$ 12,259,300
4110	Water Payment Revenues - Commercial	1,715,300	1,590,139	1,700,718	1,457,765	1,677,295	1,595,247
4120	Water Payment Revenues - Fire Service	262,293	126,084	134,672	133,094	191,467	198,550
4200	Meter Fees/Plan Check/Water Capacity	68,128	29,346	197,091	30,000	76,572	30,000
4300	Backflow Install EGWD	14,138	70,456	47,107	50,000	26,749	25,000
4520	Door Hanger Fees	121,300	121,950	109,275	112,000	125,652	120,000
4540	New Account Fees	28,550	24,330	23,700	24,000	27,466	25,000
4550	NSF Fees	3,465	2,975	2,520	2,500	3,289	3,000
4570	Shut-off Fees	67,597	60,500	43,050	45,000	51,046	50,000
4580	Credit Card Fees	7,470	5,505	8,009	8,000	8,350	8,000
4700	Rental Income	1,823	-	-	-	-	0
4900	Customer Refunds	(21,205)	(93,464)	(26,083)	(50,000)	(18,839)	(20,000)
	Total Revenues	\$ 13,435,194	\$ 13,185,839	\$ 13,475,169	\$ 13,713,464	\$ 14,262,344	\$ 14,294,096

TOTAL REVENUES BY CATEGORY

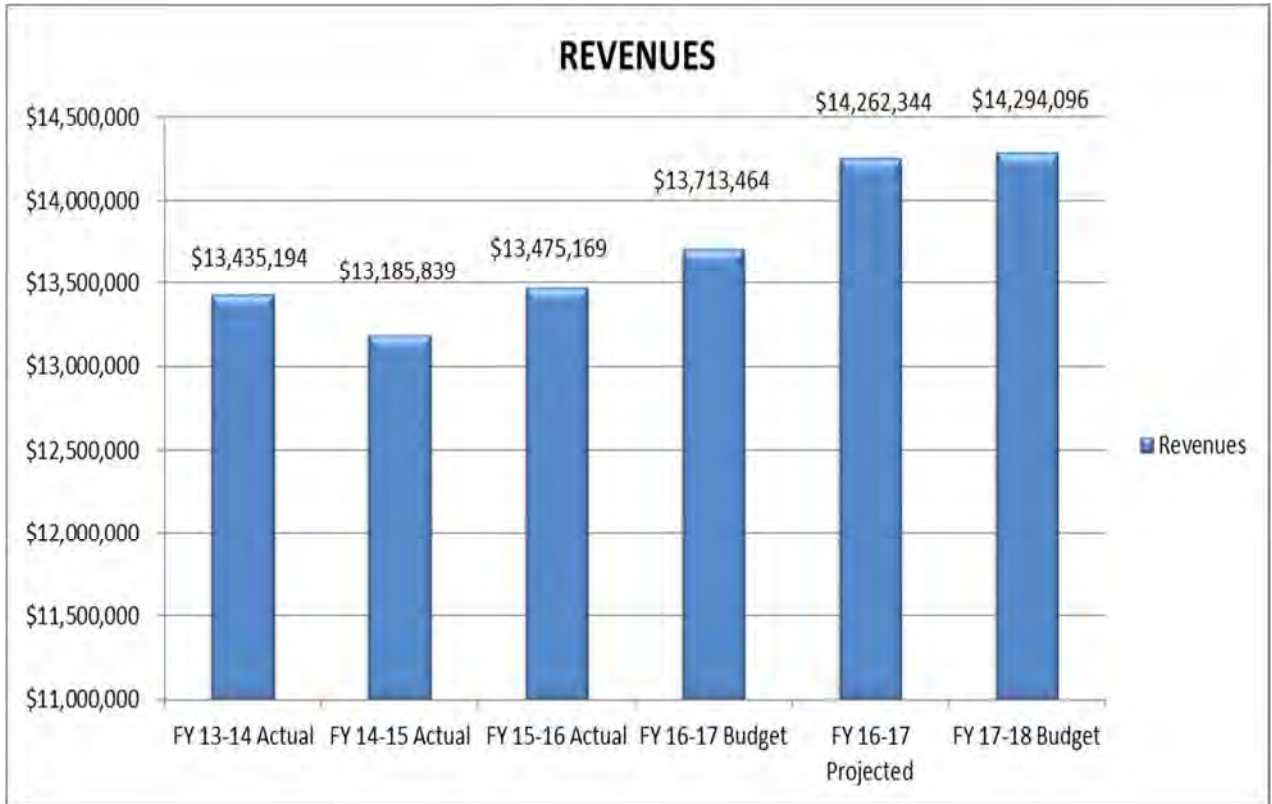


Other Revenues include:

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

Please note that the Residential Revenue in this graph is net of customer refunds.

TOTAL REVENUES FISCAL YEARS 2013-14 THROUGH 2017-18



The FY 2017-18 Budget contains a revenue adjustment of 3.0% starting in January 2018.

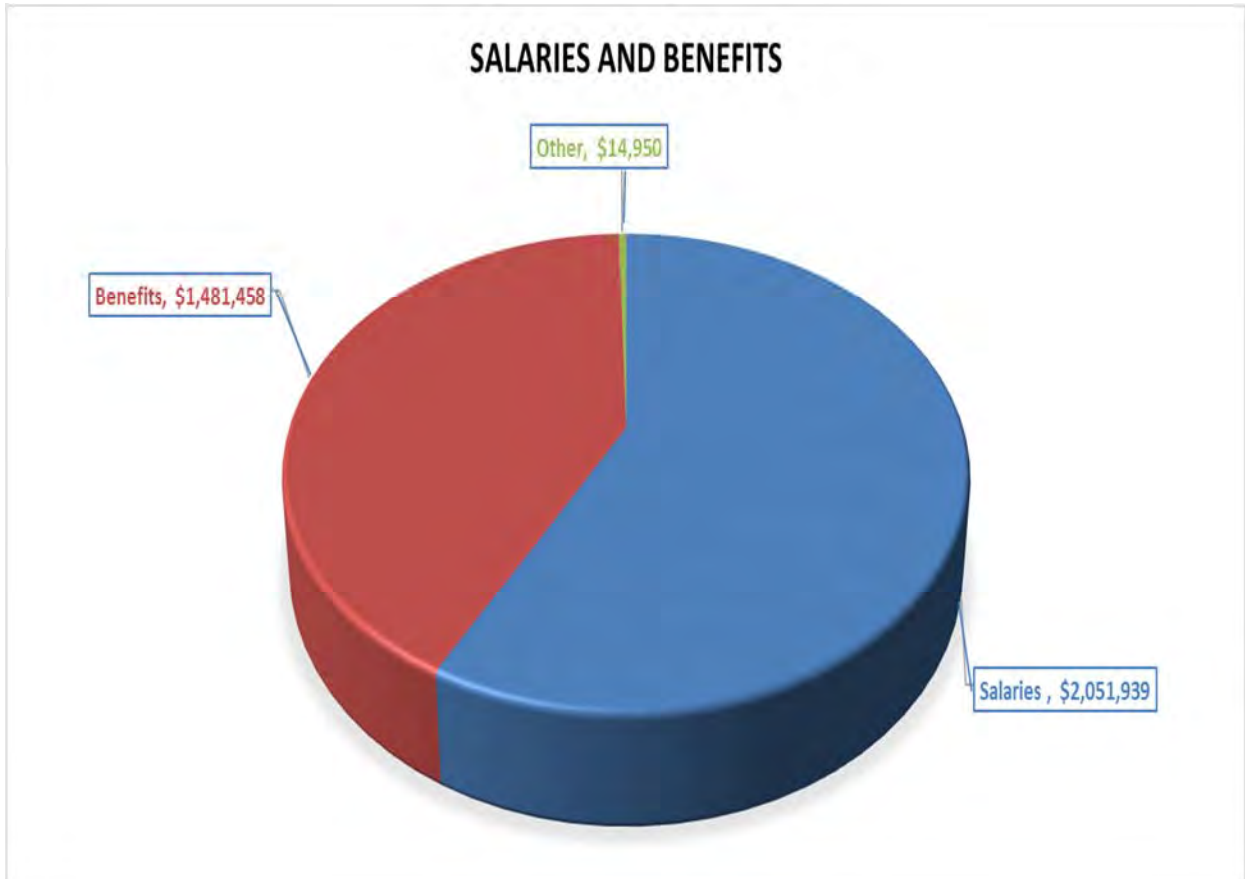
Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

**Elk Grove Water District
Budgeted Salaries and Benefits Accounts Detail
For the Fiscal Year ending June 30, 2018**

Account#	Description	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Projected	FY 17-18 Requested Budget
5100	Executive Salary	\$ 150,220	\$ 153,097	\$ 162,686	\$ 189,122	\$ 172,197	\$ 195,226
5110	Exempt Salaries	490,178	476,125	486,577	605,166	\$ 506,592	524,199
5120	Non-Exempt Salaries	984,040	1,183,188	1,093,622	1,471,750	\$ 1,391,455	1,469,064
5130	Overtime Compensation	43,062	45,062	44,308	56,300	\$ 42,185	56,300
5140	On Call Pay	18,320	18,270	18,326	18,250	\$ 18,400	18,250
5150	Holiday Pay	81,914	88,233	84,992	117,743	\$ 103,929	118,483
5160	Vacation Pay	118,645	109,284	127,130	115,933	\$ 138,954	121,459
5170	Personal Time Pay	74,870	79,245	77,581	80,944	\$ 97,540	94,787
5180	Internship Program	-	-	-	-	\$ -	15,000
5200	Medical Benefits	372,689	499,325	527,568	700,370	\$ 668,899	720,244
5195	EAP	883	820	842	960	\$ 912	960
5201	EGWD Contribution H.S.A	-	-	10,400	-	\$ 13,149	15,000
5210	Dental/Vision/Life Insurance	41,289	50,983	48,672	67,997	\$ 61,229	64,665
5220	Retirement Benefits	260,687	273,439	261,030	374,713	\$ 337,507	371,962
5225	Retirement Benefits - Post Employment	68,355	73,169	93,767	103,362	\$ 103,362	92,760
5230	Medical Tax, Social Security and SUI	44,880	45,161	44,123	62,072	\$ 54,160	62,353
5240	Worker's Compensation Insurance	55,314	78,504	86,261	112,612	\$ 112,612	123,873
5250	Education Assistance	1,290	4,687	9,069	9,000	\$ 16,420	11,300
5260	Employee Training	21,896	15,103	9,760	28,250	\$ 1,967	29,640
5270	Employee Recognition	910	2,694	1,886	3,020	\$ 1,997	2,520
5280	Meetings	203	286	415	1,480	\$ 223	1,130
	Less Capitalized Expenses	(538,181)	(470,098)	(509,238)	(528,352)	(205,607)	(560,829)
		<u>\$ 2,291,464</u>	<u>\$ 2,726,577</u>	<u>\$ 2,679,777</u>	<u>\$ 3,590,692</u>	<u>\$ 3,638,083</u>	<u>\$ 3,548,347</u>

TOTAL NET SALARIES AND BENEFITS \$3,548,347*

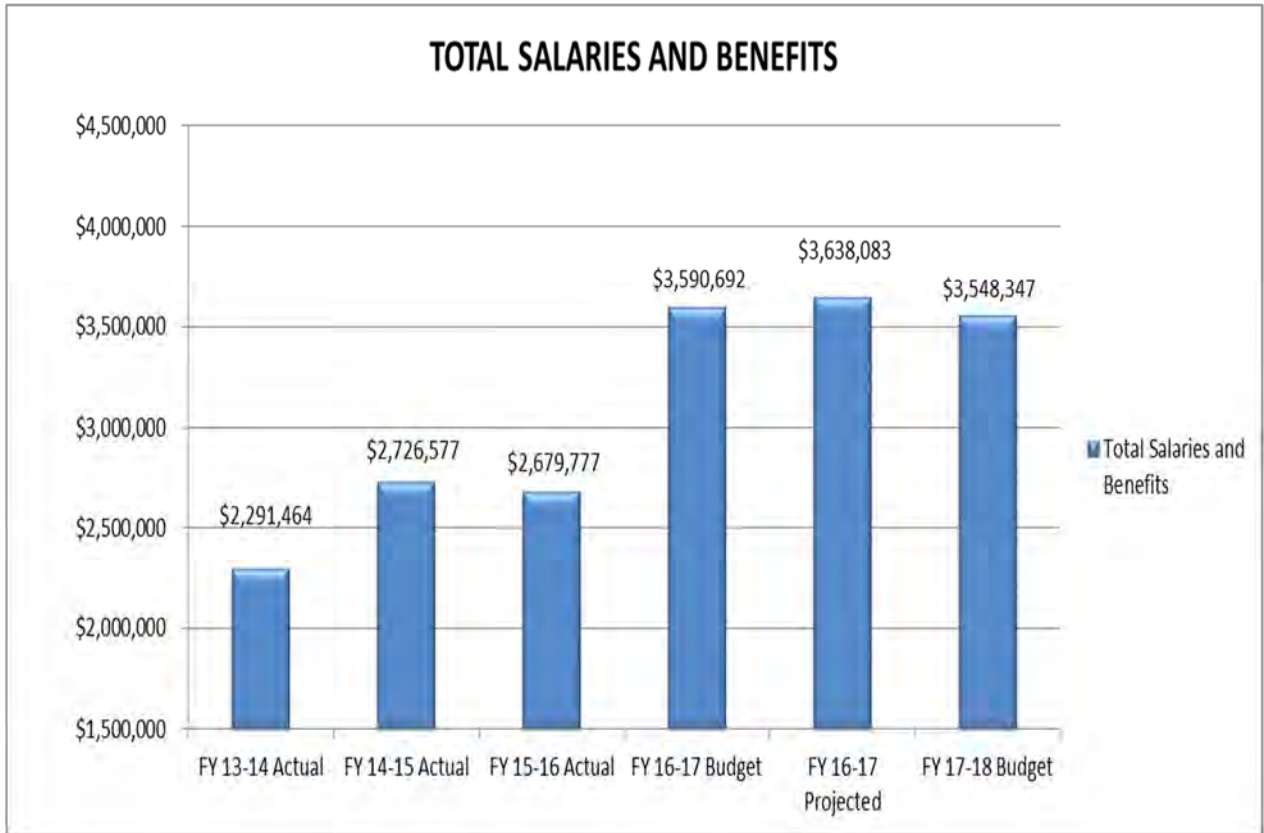


The Other Expenditure Categories include:

- Education Assistance
- Employee Recognition
- Meetings

*The total Salaries and Benefits are net of labor costs of \$560,829 that will be capitalized for the capital improvements constructed by the Distribution and Utility Departments.

TOTAL SALARIES AND BENEFITS FISCAL YEARS 2013-14 THROUGH 2017-18



The Salaries and Benefits are adjusted as follows for the capitalized expense for capital improvements constructed by the Distribution and Utility Departments:

- Salaries and Benefits \$ 560,829

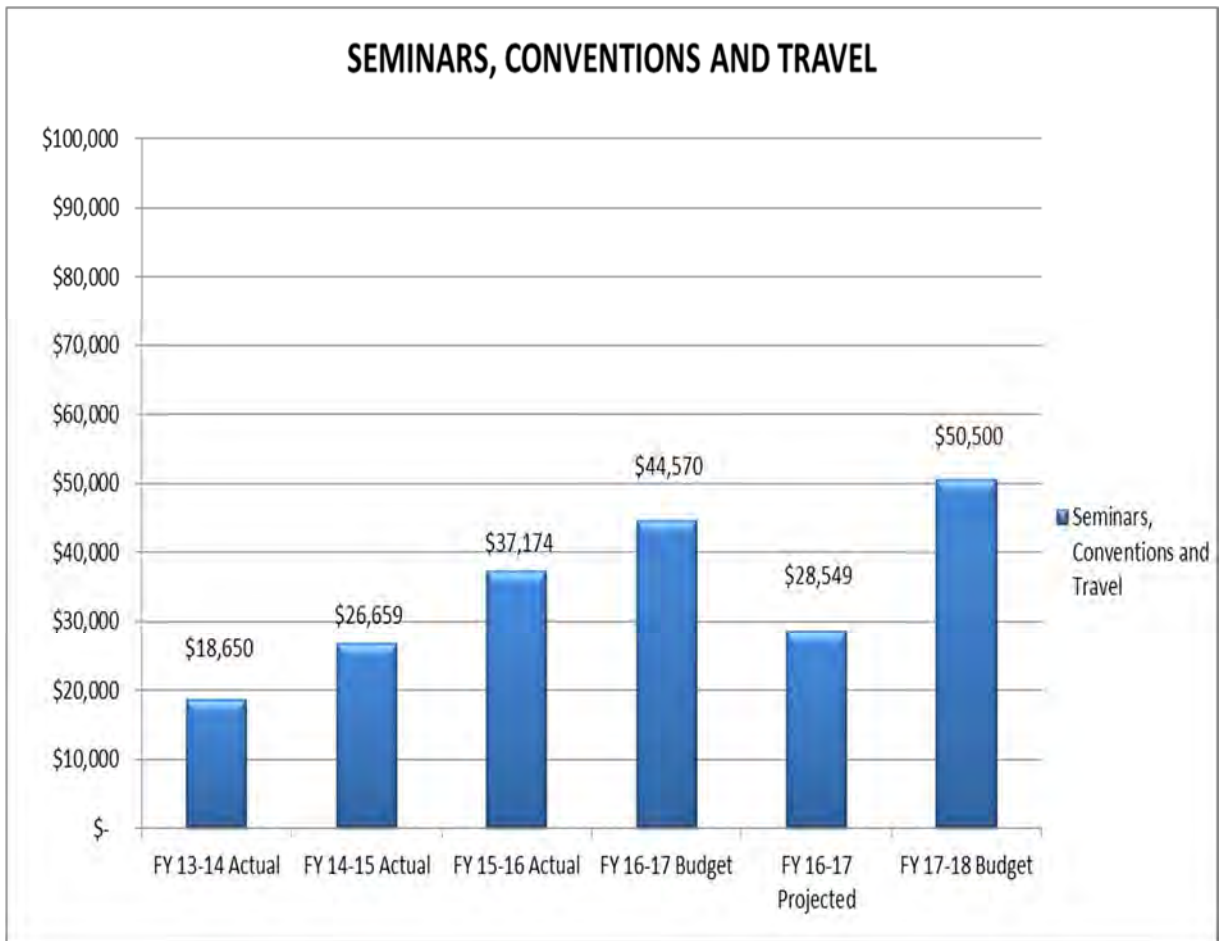
Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

**Elk Grove Water District
Budgeted Seminars, Conventions and Travel Accounts Detail
For the Fiscal Year ending June 30, 2018**

Account#	Description	FY13-14	FY14-15	FY15-16	FY16-17	FY16-17	FY17-18
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5300	Airfare	\$ 318	\$ 3,035	\$ 2,273	\$ 4,700	\$ 2,484	\$ 4,100
5310	Hotels	5,000	6,318	11,836	10,700	6,024	11,800
5320	Meals	2,371	4,109	6,477	6,200	3,715	5,730
5330	Auto Rental	131	336	1,488	2,600	-	1,900
5340	Seminars & Conferences	3,160	6,630	8,540	9,100	7,715	11,400
5345	Seminars & Conferences - Board	1,435	-	0	3,820	1,478	7,820
5350	Mileage Reimbursement, Parking, Tolls	1,395	1,391	1,680	1,450	1,133	1,750
5375	Auto Allowance	4,840	4,840	4,880	6,000	6,000	6,000
		\$ 18,650	\$ 26,659	\$ 37,174	\$ 44,570	\$ 28,549	\$ 50,500

TOTAL SEMINARS, CONVENTIONS AND TRAVEL FISCAL YEARS 2013-14 THROUGH 2017-18



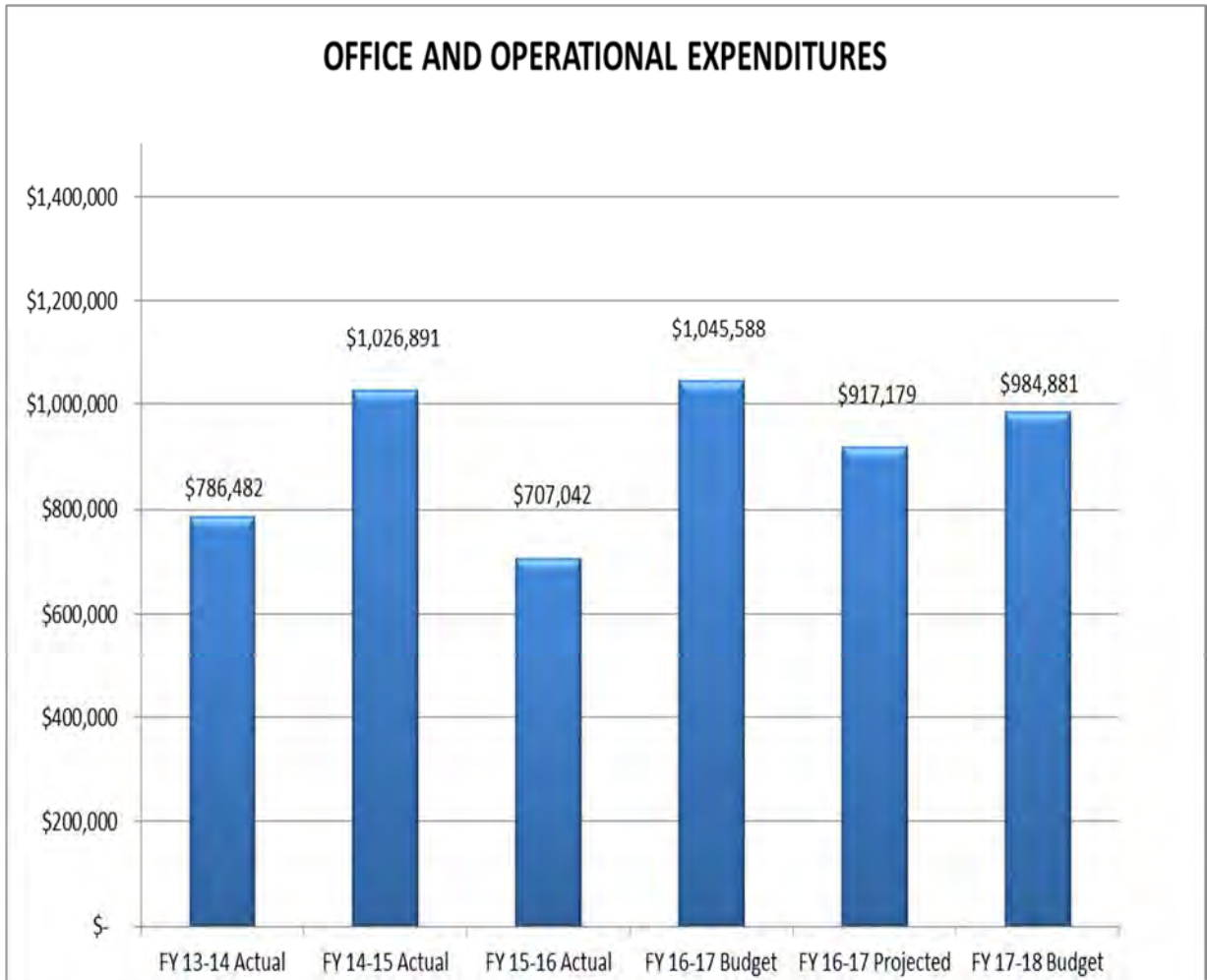
Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

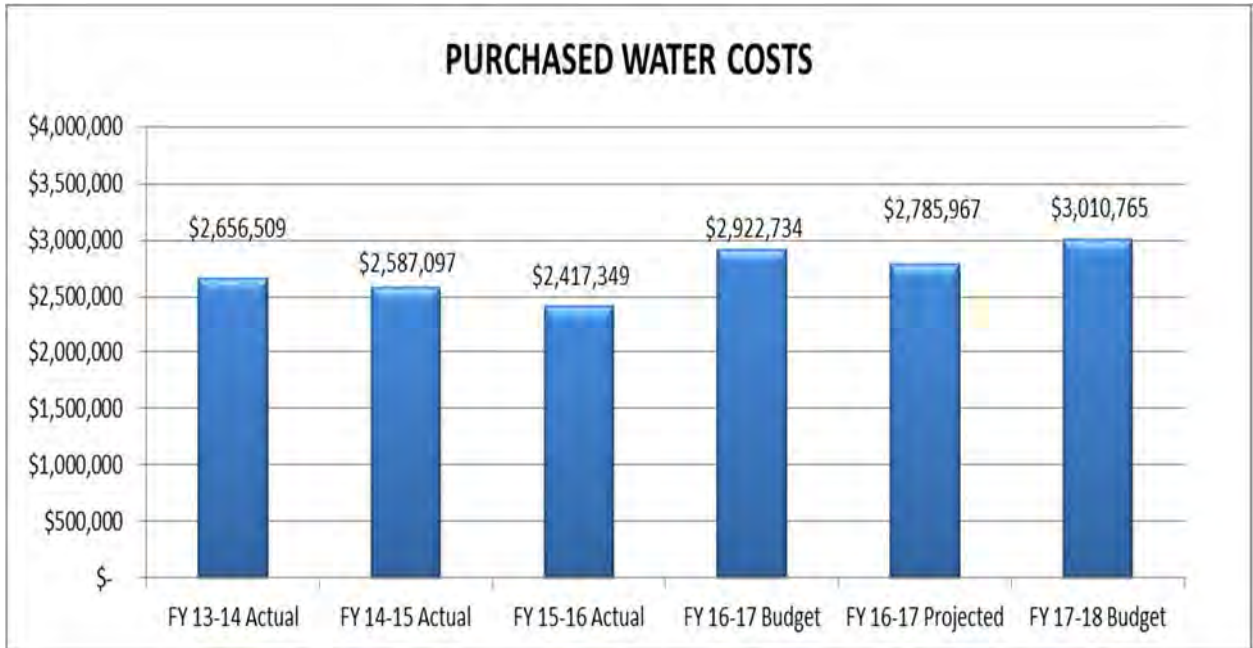
**Elk Grove Water District
Budgeted Office and Operational Accounts Detail
For the Fiscal Year ending June 30, 2018**

Account#	Description	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Projected	FY 17-18 Requested Budget
5410	Advertising	\$ 3,754	\$ 11,239	\$ 8,129	\$ 35,500	\$ 5,853	\$ 5,000
5415	Association Dues	53,823	61,518	66,881	97,552	103,447	99,112
5420	Insurance	68,865	76,462	74,280	79,900	107,725	87,890
5425	Licenses, Certifications, Fees	5,809	13,488	3,305	9,850	3,117	3,600
5430	Repairs & Maintenance - Automotive	16,585	28,486	32,122	27,800	57,740	46,300
5432	Repairs & Maintenance - Building	14,197	9,067	10,963	16,500	27,626	18,000
5434	Repairs & Maintenance - Computers	1,839	21,591	25,235	22,150	37,903	24,759
5435	Repairs & Maintenance - Equipment	52,278	95,168	58,482	63,350	53,086	65,000
5438	Fuel	41,338	38,424	33,684	51,600	29,926	51,600
5440	Materials	143,564	268,654	63,612	90,000	154,323	150,000
5445	Chemicals	48,945	14,813	13,886	115,000	12,619	50,000
5450	Meter Repairs	91	5,179	7,870	12,000	8,329	12,000
5453	Permits	31,193	39,318	35,250	84,800	72,832	82,200
5455	Postage	65,773	73,556	64,104	72,400	50,166	85,300
5460	Printing	8,086	14,693	7,909	14,050	3,380	4,500
5465	Safety Equipment	12,993	3,428	4,149	20,100	14,886	7,100
5470	Software Programs & Updates	114,981	146,911	99,326	94,927	101,918	92,868
5475	Supplies	22,421	29,849	28,580	36,800	19,244	20,800
5480	Telephone	38,333	35,983	39,976	36,609	38,180	39,652
5485	Tools	24,069	23,834	6,802	12,500	2,501	10,000
5490	Clothing Allowance	9,901	7,449	9,440	10,200	8,286	10,200
5491	EGWD - Other Clothing	7,644	7,782	9,188	12,000	4,093	9,000
5493	Water Conservation Materials	-	0	3,869	30,000	-	10,000
		786,482	1,026,891	707,042	1,045,588	917,179	984,881
5495	Purchased Water	2,656,509	\$ 2,587,097	\$ 2,417,349	\$ 2,922,734	\$ 2,785,967	3,010,765

TOTAL OFFICE AND OPERATIONAL FISCAL YEARS 2013-14 THROUGH 2017-18



TOTAL PURCHASED WATER FISCAL YEARS 2013-14 THROUGH 2017-18



Elk Grove Water District Fiscal Year 2017-18 Operating Budget
June 21, 2017

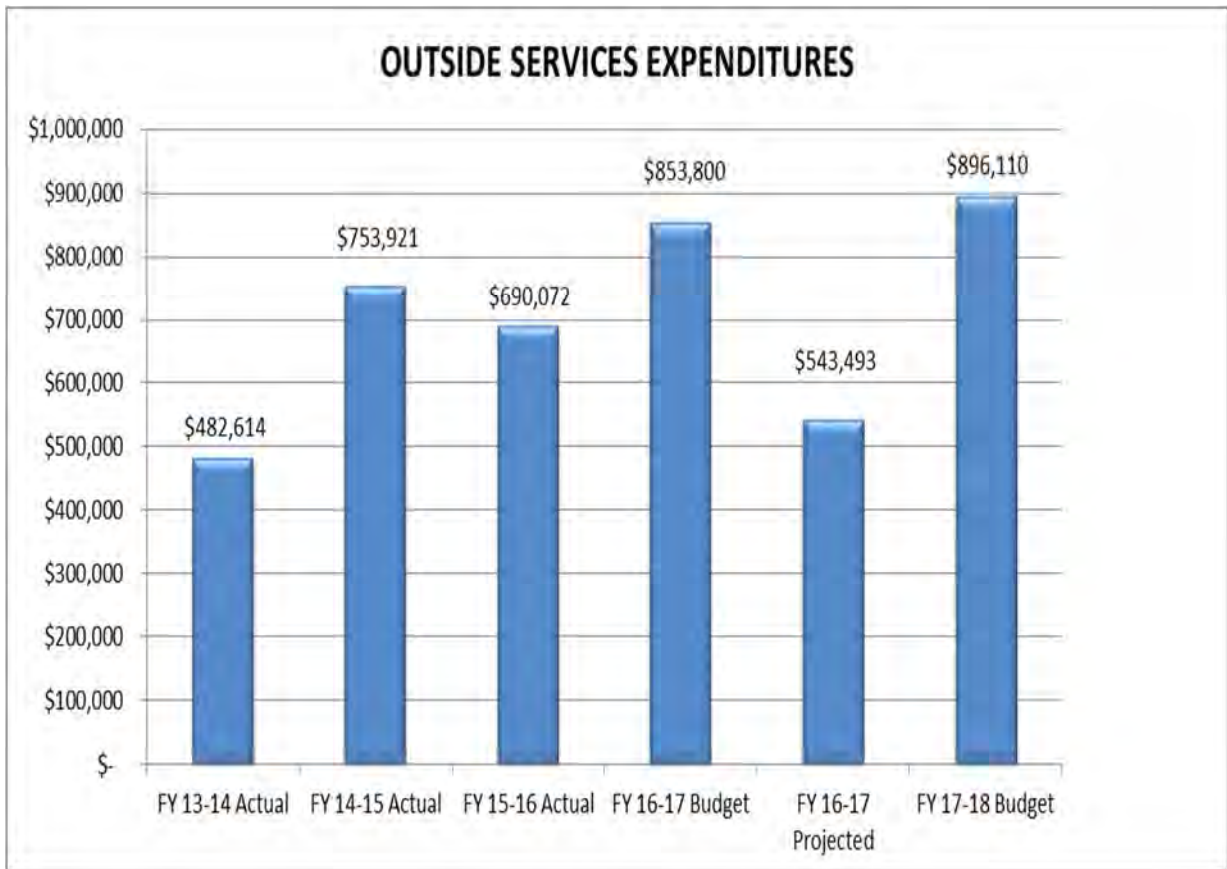
Elk Grove Water District
Budgeted Outside Services Accounts Detail
For the Fiscal Year ending June 30, 2018

Account#	Description	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 17-18
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5505	Administration Services	\$ 1,012	\$ 2,252	\$ 5,357	\$ 1,500	\$ 973	\$ 3,590
5510	Bank Charges	47,799	62,586	82,979	96,000	\$ 108,146	134,000
5515	Billing Services	28,308	26,657	26,329	28,800	\$ 20,837	28,800
5520	Contracted Services	136,029	240,381	271,147	292,800	\$ 252,812	232,520
5523	Water Conservation Services	-	-	38,921	32,500	\$ -	-
5525	Accounting Services	43,344	26,615	34,428	35,000	\$ 32,260	35,000
5530	Engineering	14,798	92,044	53,266	50,000	\$ 3,183	75,000
5535	Legal Services	98,307	124,744	113,798	205,000	\$ 62,166	205,000
5540	Financial Consultants	29,653	68,601	-	10,000	\$ 6,136	85,000
5545	Community Relations	14,065	19,587	15,410	16,200	\$ 3,505	16,200
5552	Misc. Medical	2,086	1,485	1,516	2,500	\$ 633	2,500
5550	Pre-employment	630	6,508	493	10,000	\$ 458	3,000
5555	Janitorial	5,935	6,299	6,180	6,300	\$ 6,913	8,300
5560	Bond Administration	7,353	6,917	12,042	8,500	\$ 5,933	8,500
5570	Security	26,412	30,706	7,857	23,700	\$ 9,509	23,700
5575	Sampling	23,858	35,513	18,549	35,000	\$ 30,029	35,000
5580	Board Secretary/Treasurer	3,025	3,025	1,800	-	\$ -	-
		<u>\$ 482,614</u>	<u>\$ 753,921</u>	<u>\$ 690,072</u>	<u>\$ 853,800</u>	<u>\$ 543,493</u>	<u>\$ 896,110</u>

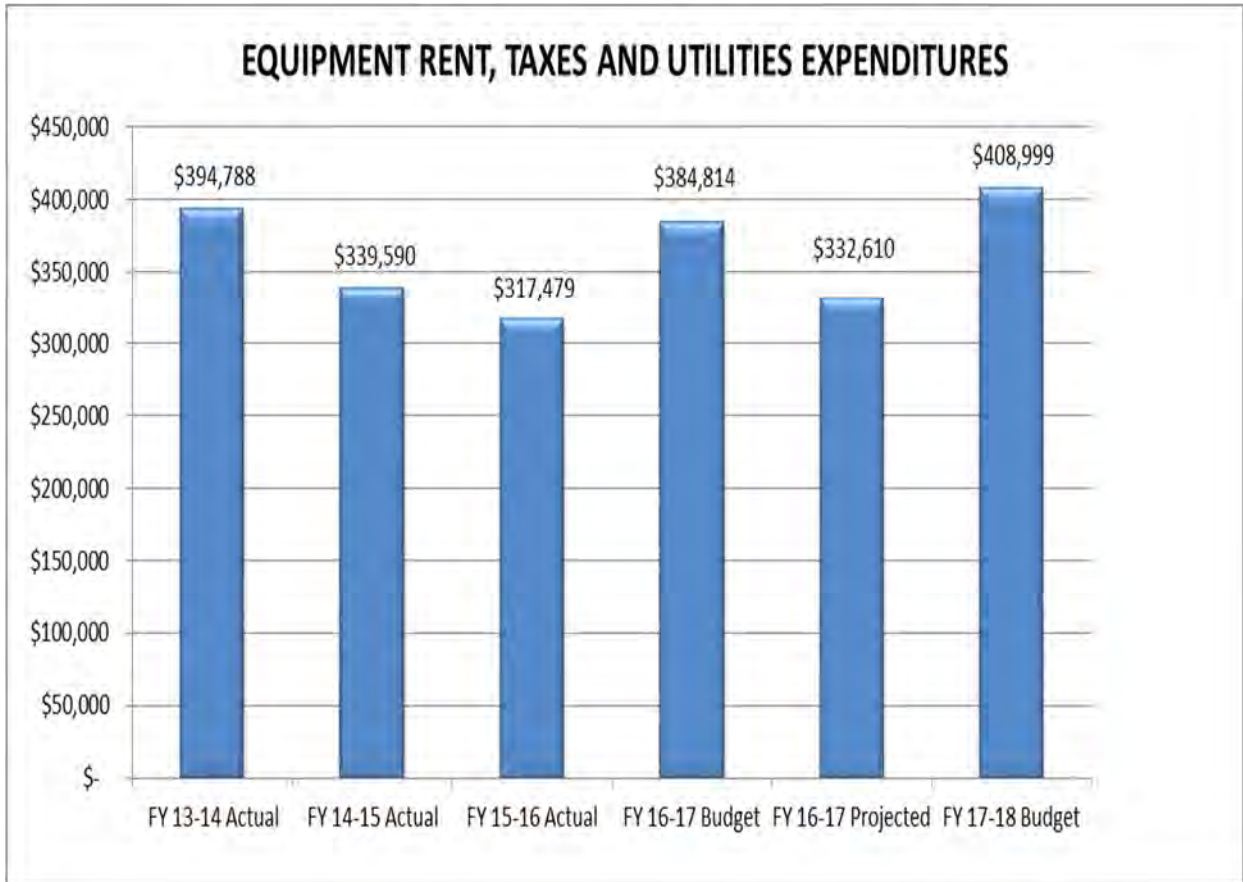
Elk Grove Water District
Budgeted Rents, Taxes and Utilities Accounts Detail
For the Fiscal Year ending June 30, 2018

Account#	Description	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 17-18
		Actual	Actual	Actual	Budget	Projected	Requested Budget
5610	Occupancy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5620	Equipment Rental	38,047	16,392	13,493	22,000	21,824	22,000
5710	Property Taxes	3,992	4,701	1,328	1,500	1,732	1,500
5720	Water	-	-	-	-	-	-
5740	Electricity	333,039	295,131	284,865	334,814	288,921	359,000
5750	Natural Gas	437	416	425	600	701	600
5760	Sewer & Garbage	19,273	22,950	17,368	25,900	19,431	25,900
		<u>\$ 394,788</u>	<u>\$ 339,590</u>	<u>\$ 317,479</u>	<u>\$ 384,814</u>	<u>\$ 332,610</u>	<u>\$ 408,999</u>

TOTAL OUTSIDE SERVICES FISCAL YEARS 2013-14 THROUGH 2017-18



TOTAL EQUIPMENT RENT, TAXES AND UTILITIES FISCAL YEARS 2013-14 THROUGH 2017-18



Elk Grove Water District Fiscal Year 2017-18 Operating Budget
June 21, 2017

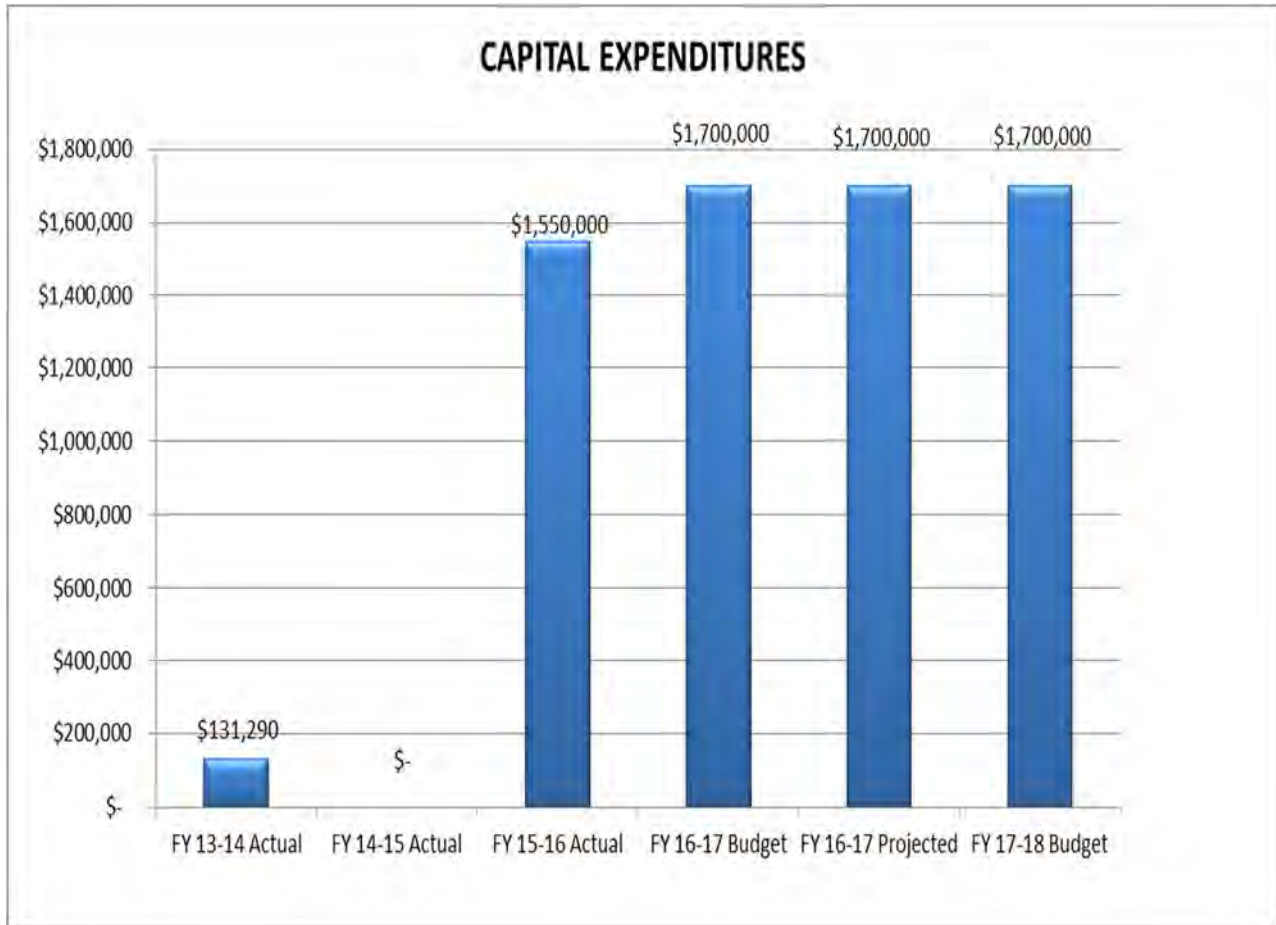
Elk Grove Water District
Budgeted Capital Expenses Detail
For the Fiscal Year ending June 30, 2018

Account#	Description	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Projected	FY 17-18 Requested Budget
1730	Meters	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1745	Transportation Equipment	-	-	-	-	-	-
1760/1765	Capital Equipment & Expenditures	96,290.00	-	-	-	-	-
1705	Non-Project Capital Expenses	35,000.00	-	-	-	-	-
3560	Repair & Replacement Reserve	-	-	851,471.82	731,000.00	731,000.00	700,000.00
3565	L-T Capital Improvement Reserve	-	-	698,528.19	969,000.00	969,000.00	1,000,000.00
	Contribution to Reserves						-
		<u>\$ 131,290</u>	<u>\$ -</u>	<u>\$ 1,550,000</u>	<u>\$ 1,700,000</u>	<u>\$ 1,700,000</u>	<u>\$ 1,700,000</u>

Elk Grove Water District
Budgeted Non Operating Activity Detail
For the Fiscal Year ending June 30, 2018

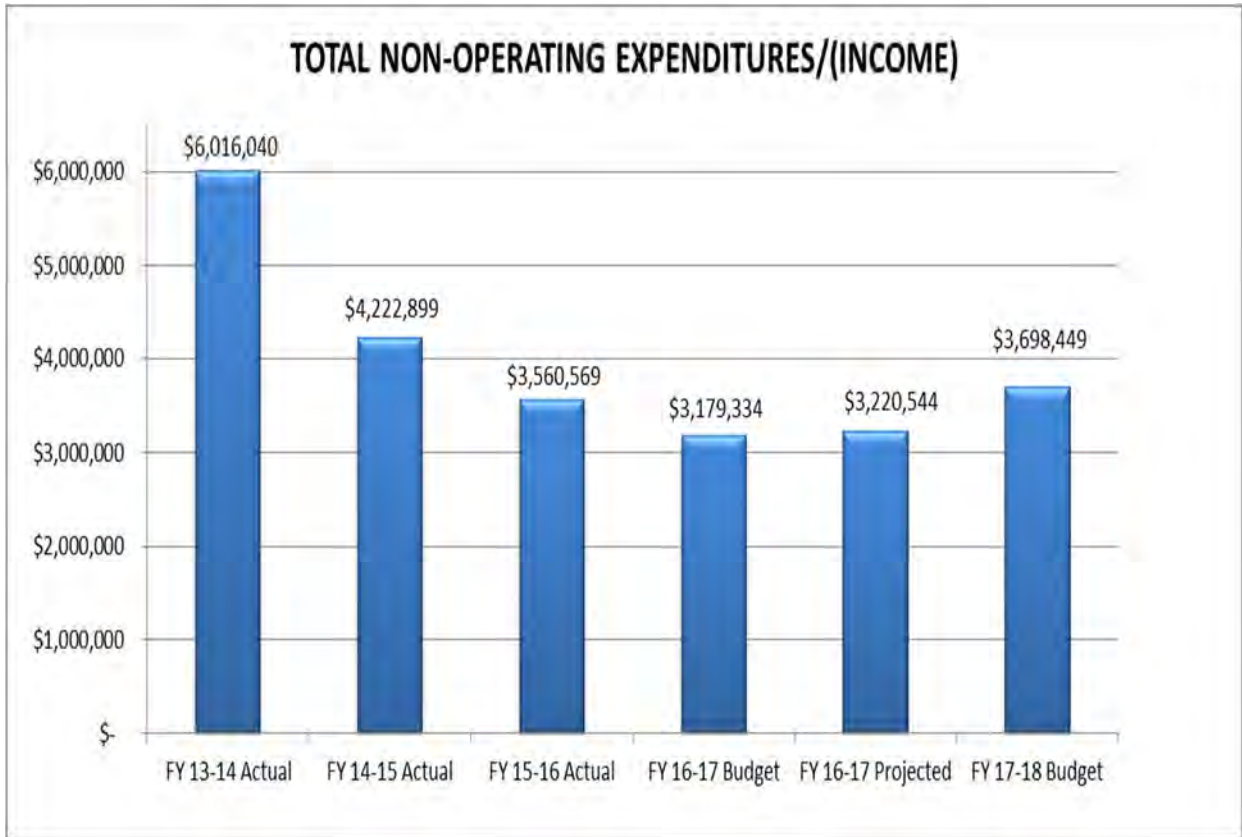
Account#	Description	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Projected	FY 17-18 Requested Budget
6440	Depreciation & Amortization	\$ 2,054,712	\$ 1,696,678	\$ -	\$ -	\$ -	\$ -
7300	Debt Service (Bond Interest Expense)	2,580,129	2,289,556	2,225,240	1,757,900	1,757,900	1,833,349
7310	Discount Amortization Expense	28,229	-	-	-	-	-
7320	Offering Expense - Deferred Charges	103,476	471,504	-	-	14,989	-
7400	Interest Paid - 9257 Elk Grove Note	55,649	-	-	-	-	-
9920	Other Expenses (Income)	(22,304)	(318,569)	-	(26,566)	-	(14,900)
	Contribution from Operating Reserve			(74,671)	-	-	
2470	9257 Elk Grove Blvd. Note	59,337	-	-	-	-	-
2500	Bond Retirement	1,175,000	-	1,430,000	1,440,000	1,440,000	1,990,000
9910	Interest Earned	(18,188)	(19,970)	(20,000)	(100,000)	(118,873)	(110,000)
9950	Election Costs	-	103,700	-	108,000	126,527	-
		<u>\$ 6,016,040</u>	<u>\$ 4,222,899</u>	<u>\$ 3,560,569</u>	<u>\$ 3,179,334</u>	<u>\$ 3,220,544</u>	<u>\$ 3,698,449</u>

TOTAL CAPITAL EXPENDITURES FISCAL YEARS 2013-14 THROUGH 2017-18



The FY 2017-18 capital improvement funding is for Repair & Replacement and Long-Term Capital Reserve funding based on the Asset Management Plan.

TOTAL NON-OPERATING EXPENDITURES (INCOME) FISCAL YEARS 2013-14 THROUGH 2017-18



The Non-Operating Expenditures include:

- Debt Service – Water System

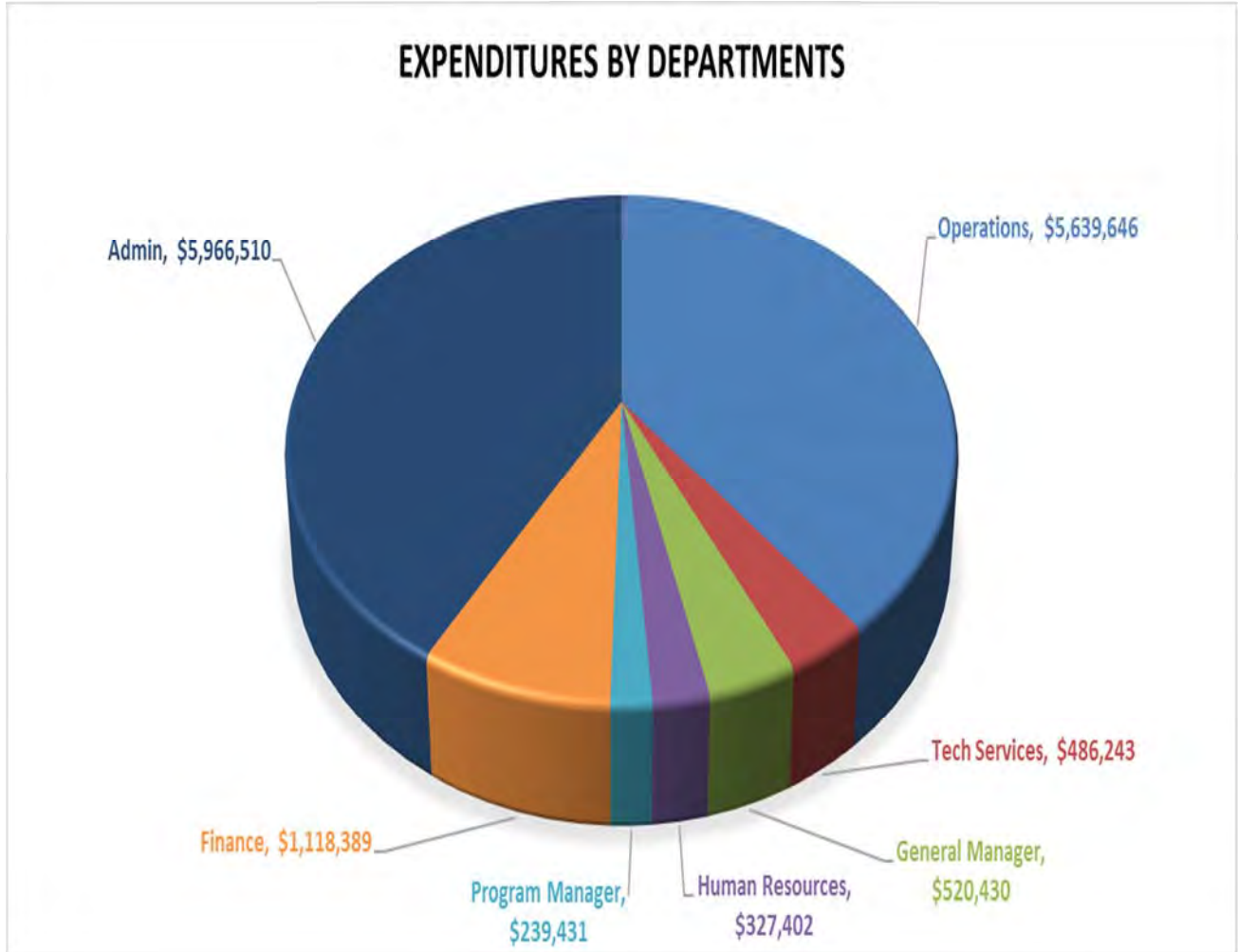
Elk Grove Water District Fiscal Year 2017-18 Operating Budget
June 21, 2017

Elk Grove Water District
Summary by Departments
For the Fiscal Year ending June 30, 2018

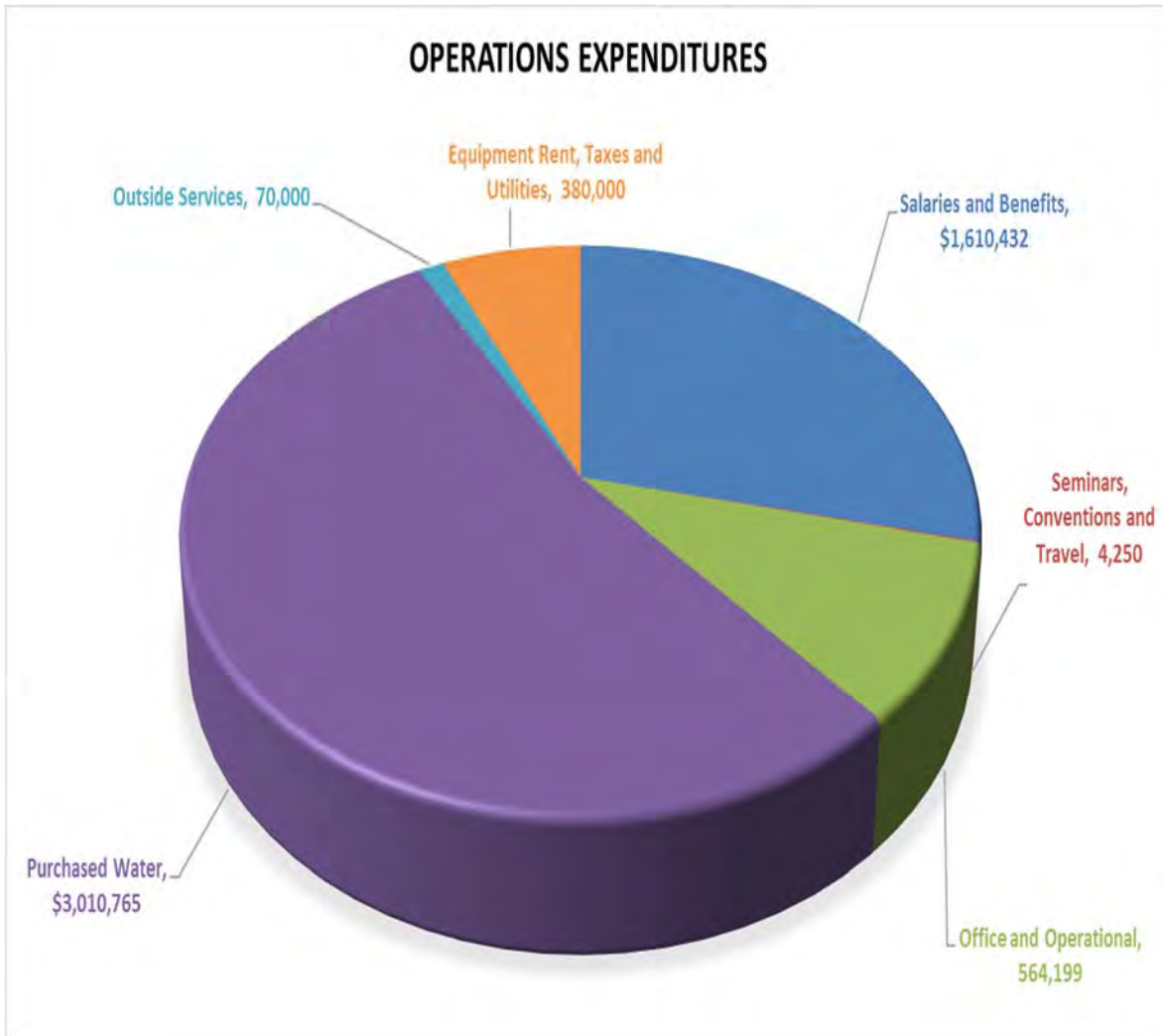
Expenditure	Operations	Technical Services	General Manager	Human Resources	Program Manager	Finance	Admin	Total Budget
Revenues								14,294,096
Salaries and Benefits	\$ 2,171,261	\$ 370,093	\$ 288,050	\$ 275,912	\$ 135,811	\$ 775,290	\$ 92,760	\$ 4,109,177
Seminars, Conventions and Travel	4,250	6,450	21,180	6,600	4,020	8,000	-	50,500
Office and Operational	564,199	34,700	-	6,800	39,600	52,299	287,282	984,881
Purchased Water	3,010,765	-	-	-	-	-	-	3,010,765
Outside Services	70,000	75,000	211,200	38,090	60,000	282,800	159,020	896,110
Equipment Rent, Taxes and Utilities	380,000	-	-	-	-	-	29,000	408,999
Subtotal Operational Expenditures	6,200,475	486,243	520,430	327,402	239,431	1,118,389	568,062	9,460,432
Less: Capitalized Expenditures*	(560,829)							(560,829)
Total Operational Expenses	5,639,646	486,243	520,430	327,402	239,431	1,118,389	568,062	8,899,602
Non-Operating Expenditures (Income)						-	3,698,449	3,698,449
Capital Equipment and Expenditures	-					-	1,700,000	1,700,000
Total Net Expenditures	5,639,646	486,243	520,430	327,402	239,431	1,118,389	5,966,510	14,298,051
Revenues In Excess of Expenditures, Principal Retirement and Capital Expenditures								<u>\$ (3,955)</u>

* This represents 70% of Salary Costs of the Utility Division which will be charged to Capital Projects

TOTAL EXPENDITURES BY DEPARTMENTS

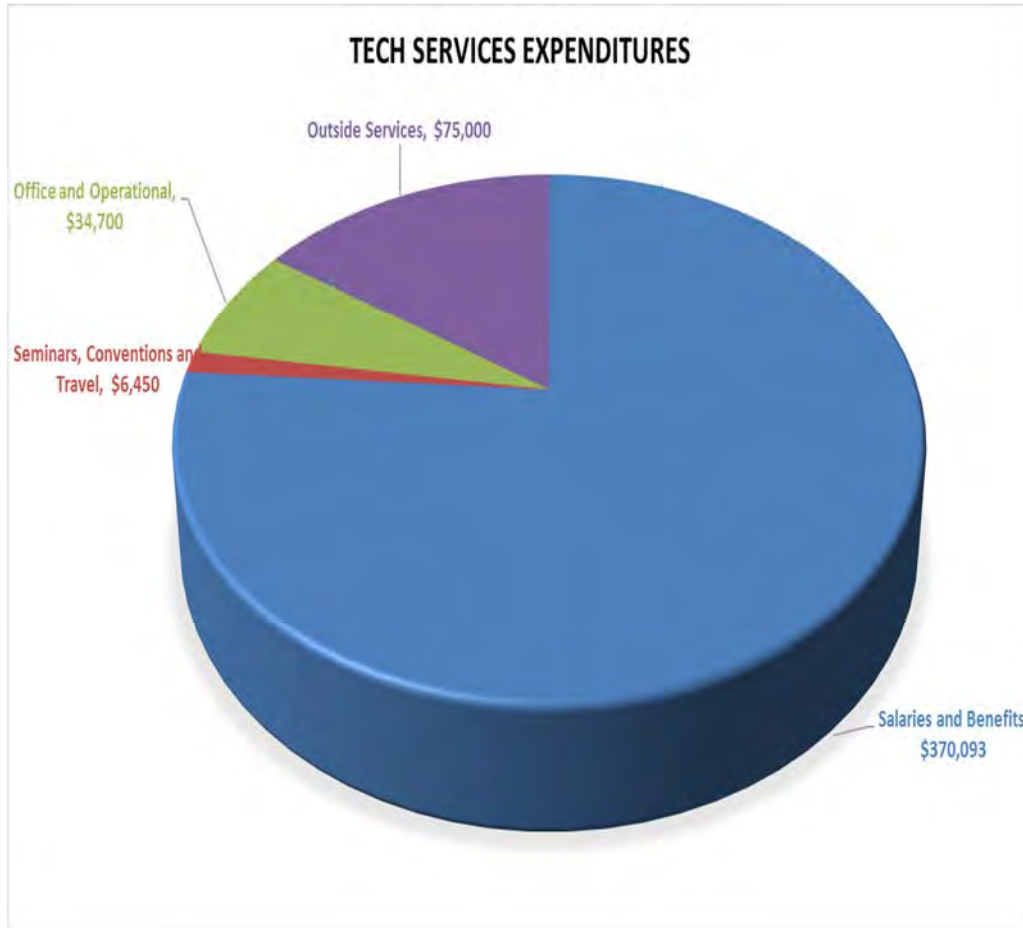


OPERATIONS DEPARTMENT \$5,639,646 TOTAL EXPENDITURES BY CATEGORY

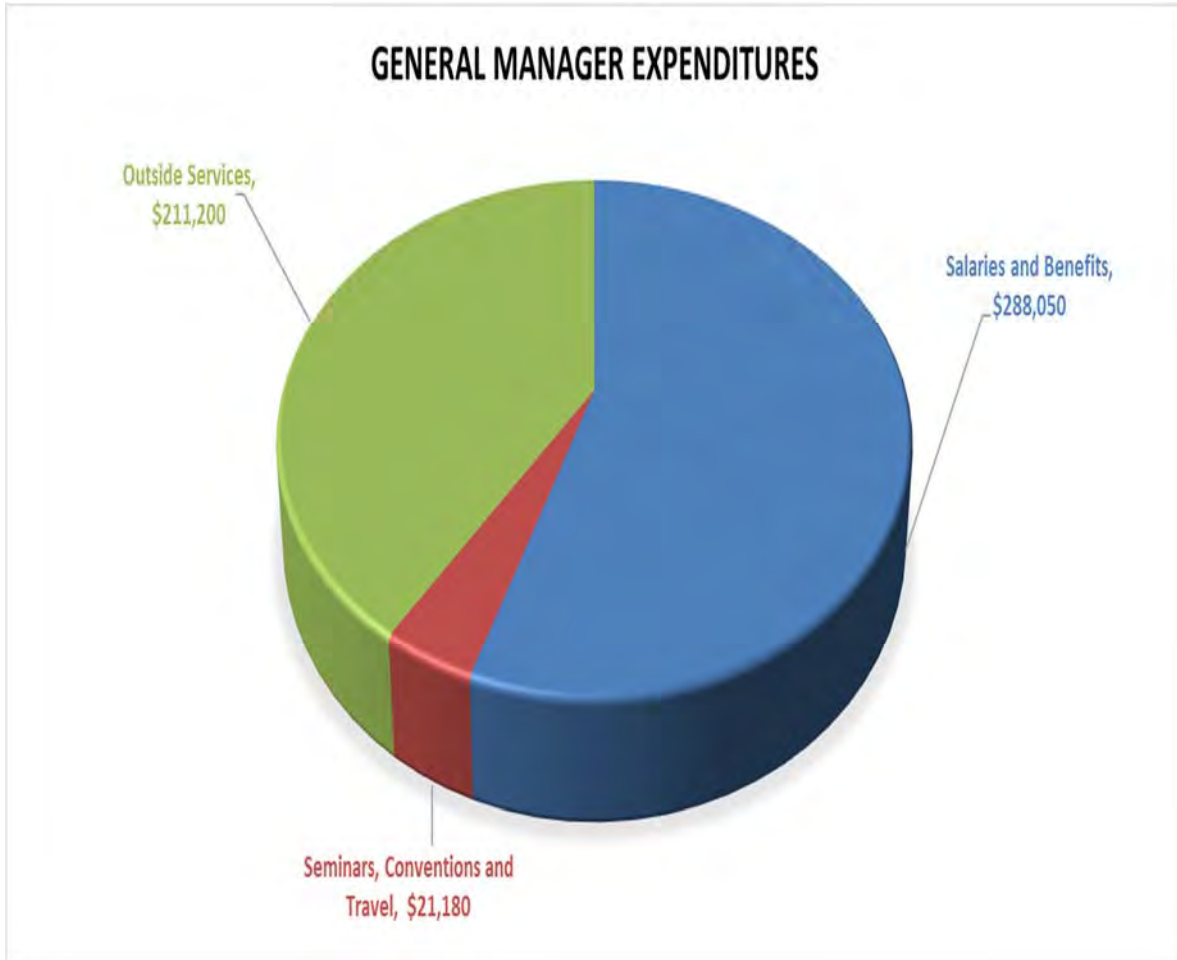


Salaries and benefits include a reduction for capitalized labor of \$560,829.

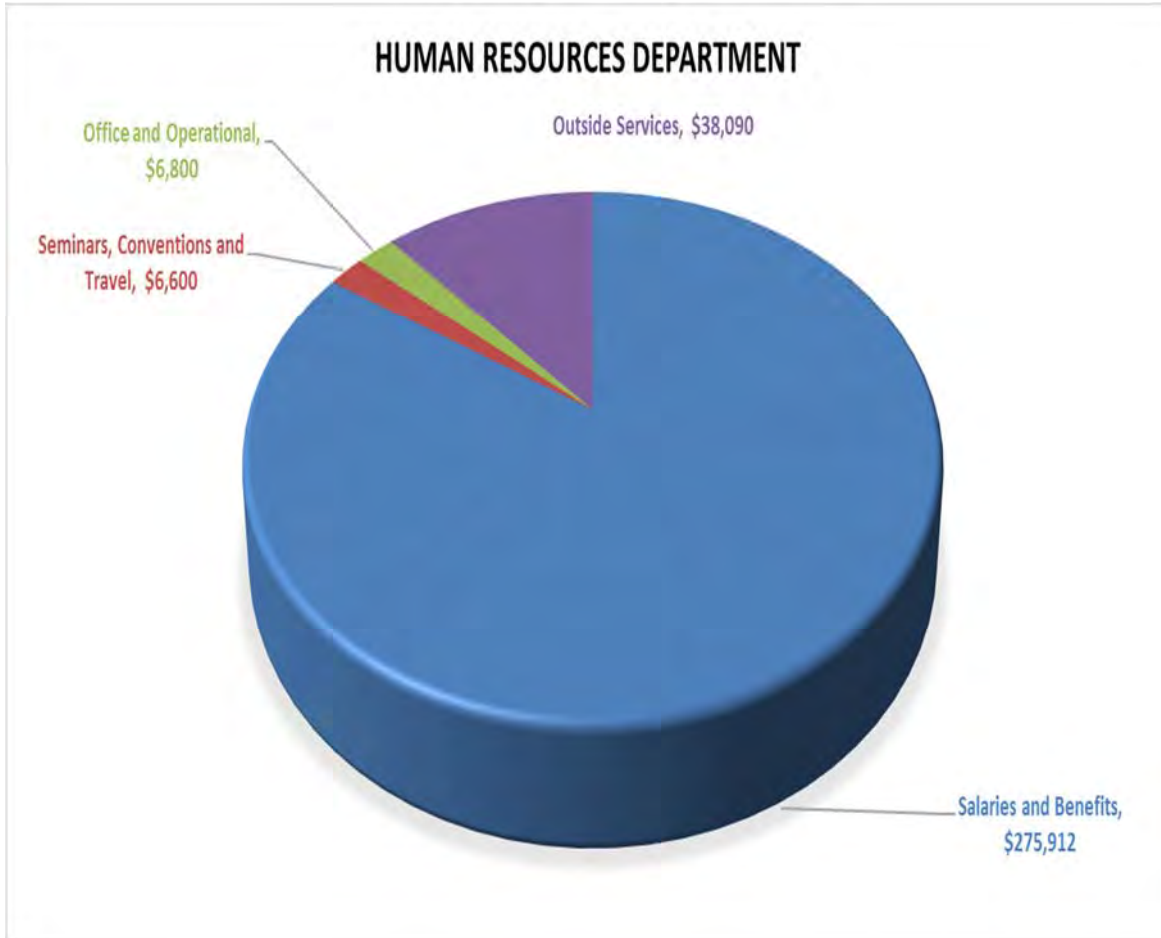
TECH SERVICES DEPARTMENT \$486,243 TOTAL EXPENDITURES BY CATEGORY



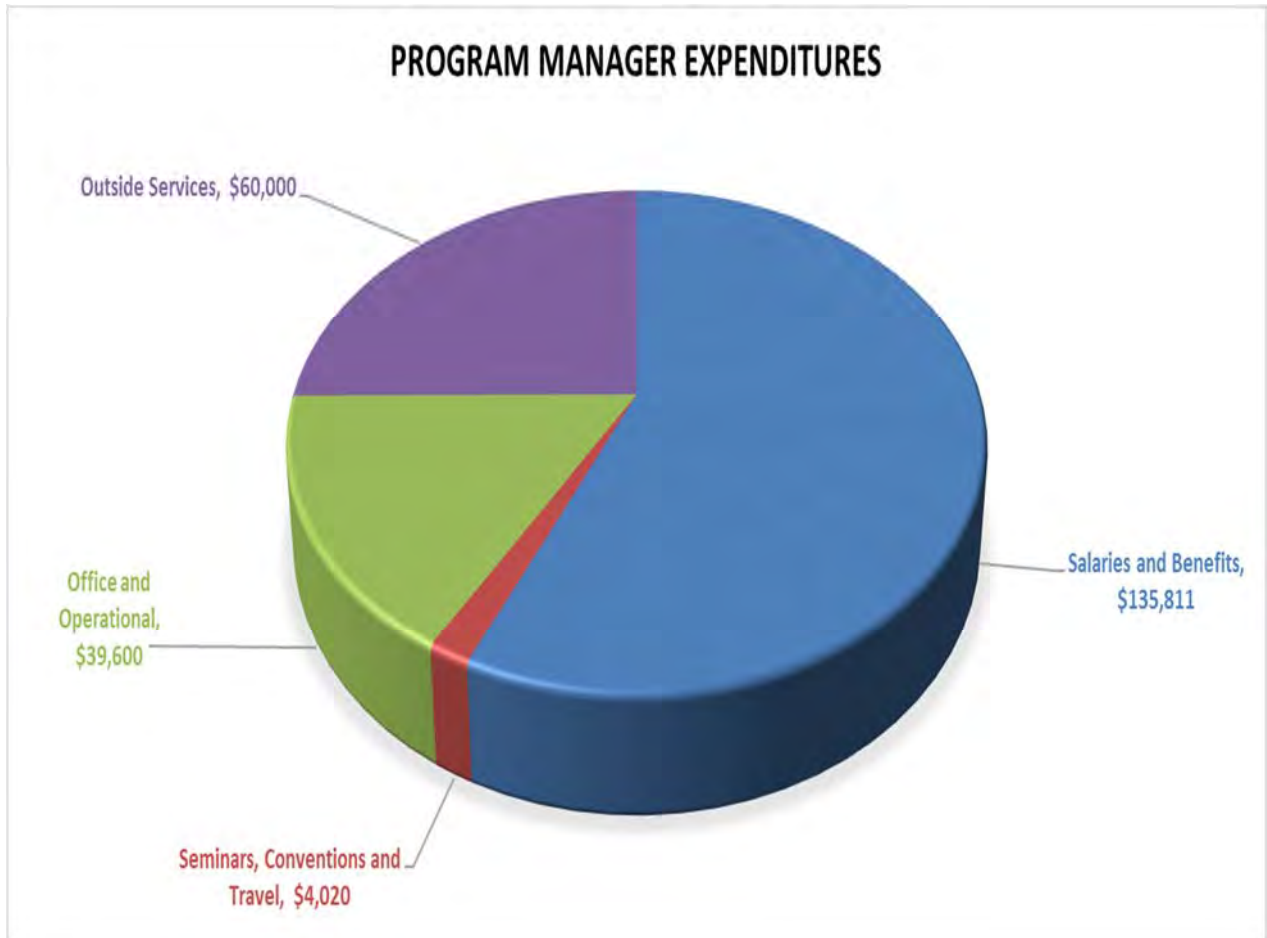
GENERAL MANAGER DEPARTMENT \$520,430 TOTAL EXPENDITURES BY CATEGORY



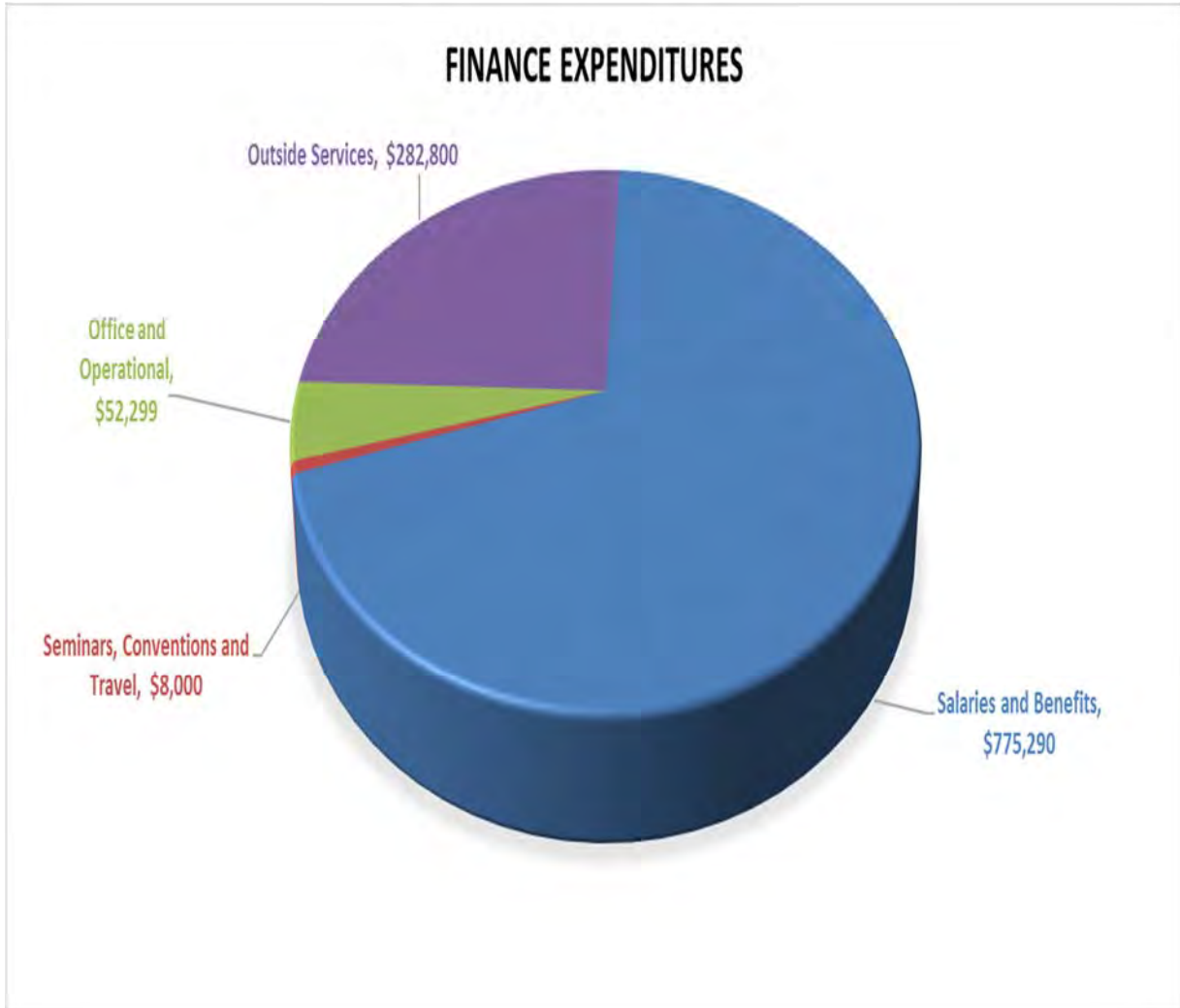
HUMAN RESOURCES DEPARTMENT \$327,402 TOTAL EXPENDITURES BY CATEGORY



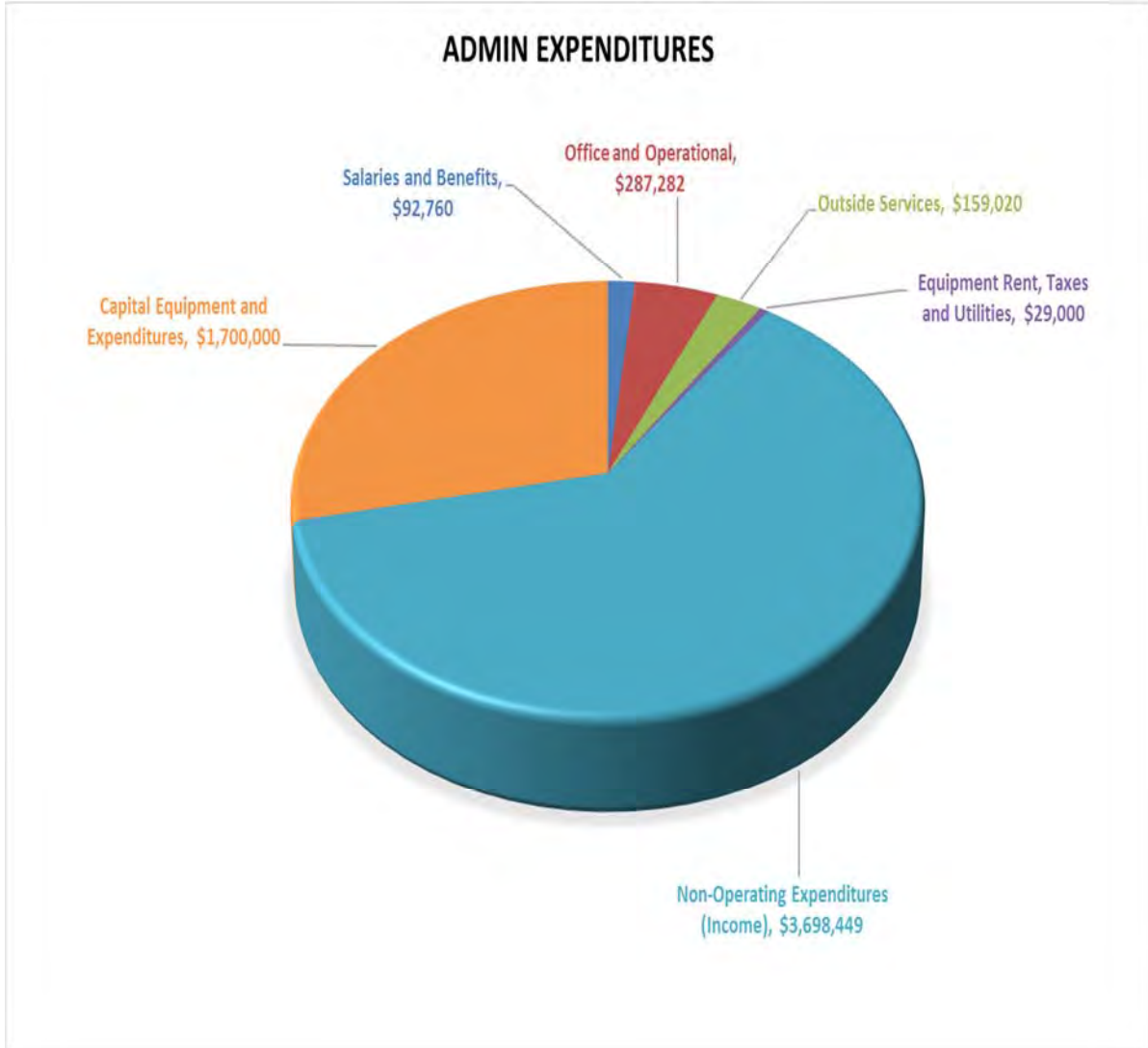
PROGRAM MANAGER DEPARTMENT \$239,431
TOTAL EXPENDITURES BY CATEGORY



FINANCE DEPARTMENT \$1,118,389 TOTAL EXPENDITURES BY CATEGORY

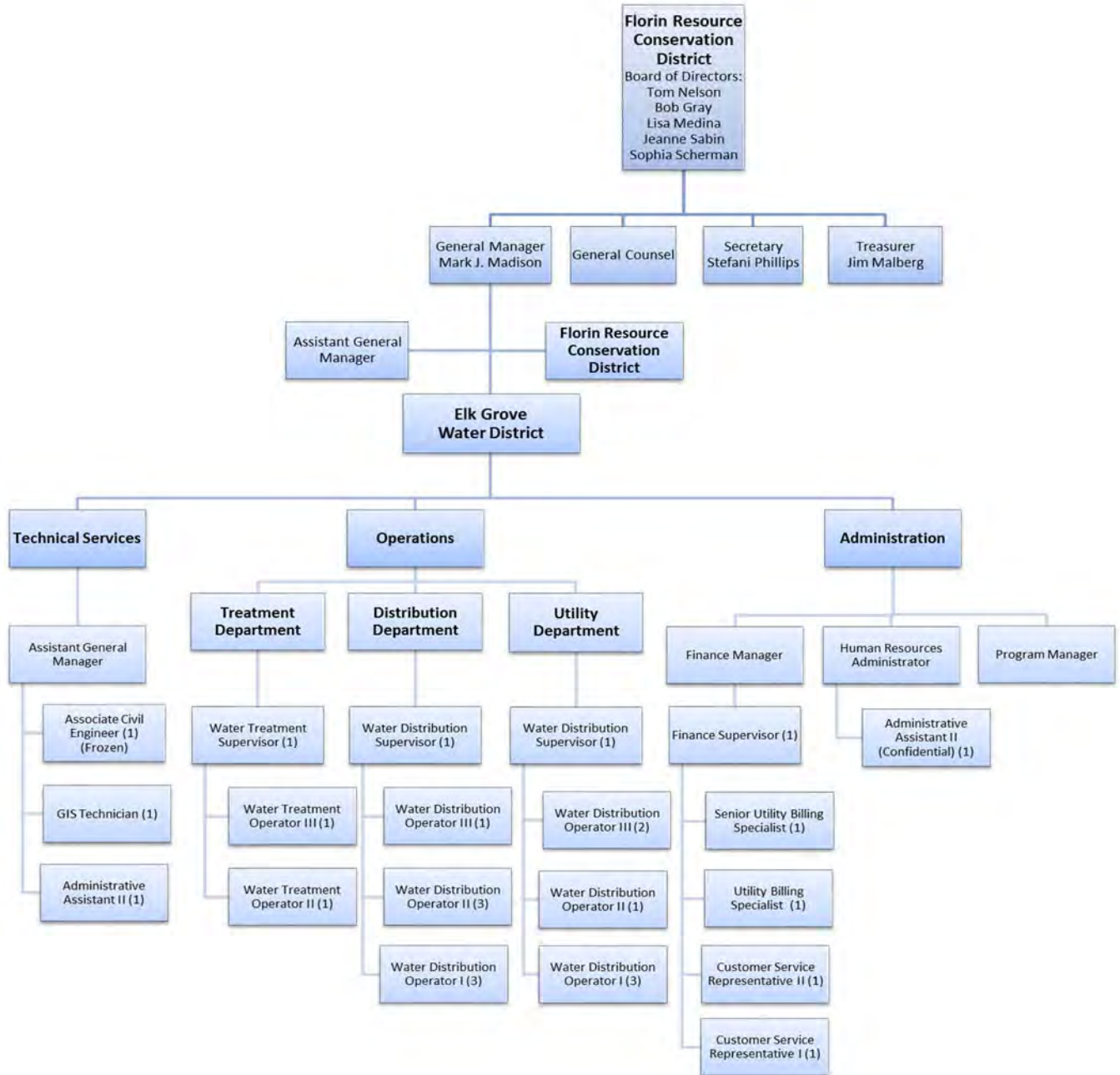


ADMIN DEPARTMENT \$5,966,510 TOTAL EXPENDITURES BY CATEGORY



Capital Equipment and Expenditures includes Capital Reserve Contributions.

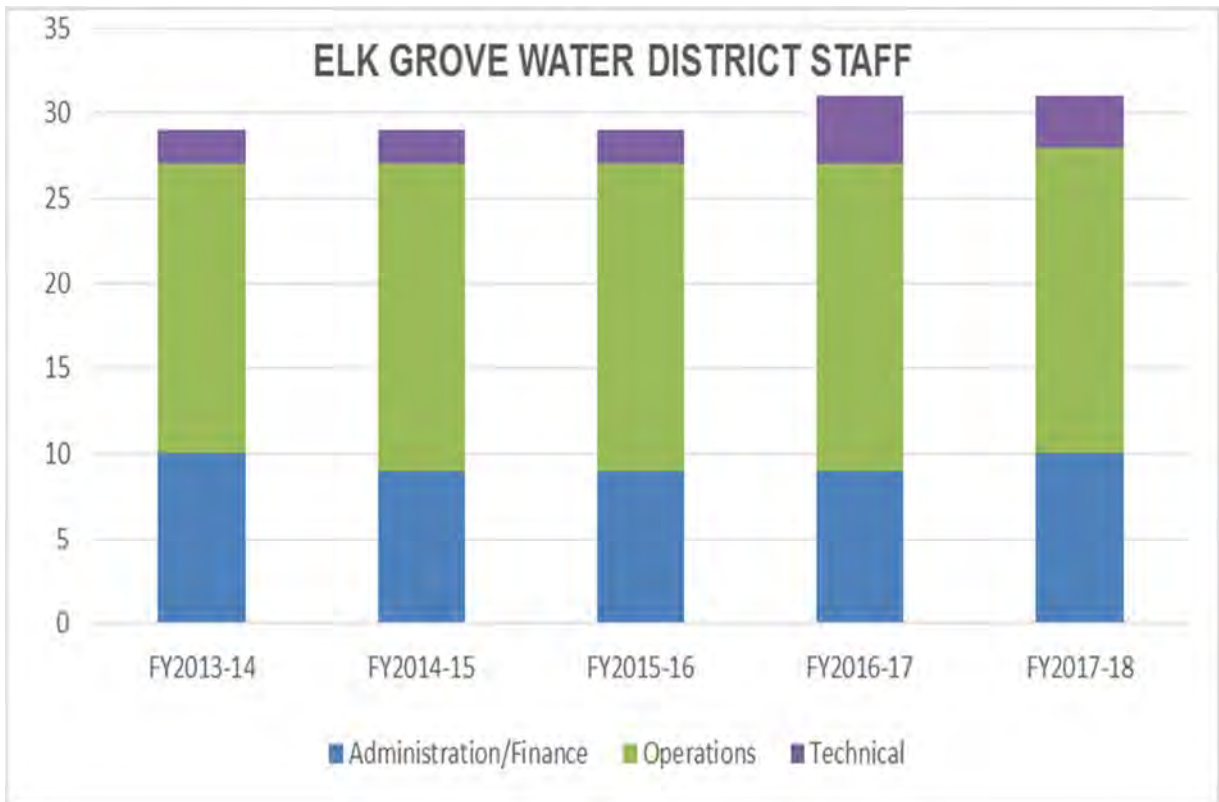
ELK GROVE WATER DISTRICT ORGANIZATION CHART



LEADERSHIP TEAM

Mark J. Madison, P.E.	General Manager
Bruce Kamilos, P.E.	Assistant General Manager
Frozen Position	Associate Civil Engineer
Jim Malberg	Finance Manager
Donella Murillo	Finance Supervisor
Stefani Phillips	Human Resources Administrator
Sarah Jones	Program Manager
Steve Shaw	Water Treatment Supervisor
Richard Salas	Water Distribution Supervisor
Jose Carrillo	Water Distribution Supervisor

STAFF POSITIONS BY DIVISION



Elk Grove Water District Fiscal Year 2017-18 Operating Budget

June 21, 2017

ELK GROVE WATER DISTRICT STAFF					
	FY2013-14	FY2014-15	FY2015-16	FY2016-17	FY2017-18
Administration & Finance					
General Manager	1	1	1	1	1
Finance Manager	1	1	1	1	1
Management Analyst	1	1	1	0	0
Program Manager	0	0	0	1	1
Human Resources Specialist	1	1	1	0	0
Human Resources Administrator	0	0	0	1	1
Administrative Assistant II (Confidential)	1	1	1	1	1
Finance Supervisor	1	1	1	1	1
Senior Utility Billing Specialist	1	1	1	1	1
Utility Billing Specialist	0	0	0	1	1
Customer Service Representative I	0	0	0	0	1
Customer Service Representative II	2	2	2	1	1
Meter Reader	1	0	0	0	0
Department Total	10	9	9	9	10
Technical Services					
Assistant General Manager	0	0	0	1	1
Associate Civil Engineer (Frozen Position)	1	1	1	1	0
Administrative Assistant II	0	0	0	1	1
GIS Technician I	1	1	1	0	0
GIS Technician II				1	1
Department Total	2	2	2	4	3
Operations					
Foremen	3	3	3	0	0
Supervisors	0	0	0	3	3
Water Distribution Operator In Training	2	2	1	1	0
Water Distribution Operator I	4	5	5	5	6
Water Distribution Operator II	4	4	5	4	4
Water Distribution Operator III	2	2	2	3	3
Water Treatment Operator I	0	0	0	0	0
Water Treatment Operator II	1	1	1	1	1
Water Treatment Operator III	1	1	1	1	1
Water Utility Operator I	0	0	0	0	0
Water Utility Operator II	0	0	0	0	0
Departmental Total	17	18	18	18	18
Organizational Total	29	29	29	31	31

ADMINISTRATION

Administration is responsible for the business operations of EGWD. Administration includes the general management of EGWD, accounting and financial management, human resources, customer service, payroll services, purchasing/procurement management, risk management, legislative analysis, public outreach, information technology and communications.

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.

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 Division and Capital Improvement Program.

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

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.

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. The Finance Department is also responsible for information services, including development and support of computers and software, program development, office telecommunications, office security, and office systems.

FY 2017-18 OBJECTIVES

Office of the General Manager

Office of the General Manager

- 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.
- Develop plan to resolve the financial and future planning issues facing the Florin Resource Conservation District (FRCD).
- Develop the FY 2018-22 FRCD/EGWD Strategic Plan.
- Complete a new 2018-22 Water Rate Study for the EGWD.
- Complete the fire system backflow prevention program associated and update the Backflow/Cross-Connection Control Program ordinance.
- Implement any and all recommendations pertaining to the Information Technology Security Review.
- Complete a Needs Assessment and Action Plan for the EGWD Administrative Building.
- Complete the update to the EGWD Employee Policy Manual.
- Complete all approved CIP projects identified in the EGWD FY 2017-18 CIP budget.
- Complete a review and implement revisions to the EGWD procurement policies.

Human Resources

- Administer the classification and pay plan for EGWD to ensure that the pay and benefits package is competitive with the industry.
- Recruit qualified candidates for vacant positions and oversee the hiring process.
- Schedule training for employees, supervisors, and managers to maintain required compliance.
- Help employees develop to their full potential on the job through coordinating training and development, and personal coaching and mentoring.
- Maintain timely employee evaluations and merit increases.
- Review personnel policies and practices and make recommendations for updates and additions.
- Promote good morale through employee recognition.
- Promote the general well-being of the workforce by providing available resources.

Program Manager

- Implement an updated Water Conservation Program, including the development of a new Water Shortage Contingency Plan and enhanced public outreach.
- Manage the District's Safety Program, including coordinating safety training, equipment inspections and other duties as the Safety Officer.
- Track State and Federal legislation, advise on bills important to the EGWD/FRCD, and work with associated agencies such as RWA and CSDA to lobby on issues of interest.
- Seek and obtain grant funding opportunities for the EGWD and FRCD.
- Implement and manage FRCD's Community Conservation Education Program.
- Develop, implement, and conduct a new Public Information and Outreach Program, including the development of pre-drafted public notices and outreach materials, and the issuance of regular newsletters and bill inserts.



Finance

- Maintain 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.
- Provide excellent customer service to the Elk Grove Water District ratepayers; improve the billing system; and address billing conflicts in a timely manner.
- Process and monitor payroll and the accounts payable function to assure timeliness and correctness.
- Work with EGWD's technology consultants to design an enhanced billing system; and develop, implement, and maintain a long-range technology plan for the effective and efficient use of technology for information systems throughout the organization.
- Manage EGWD's debt service maintaining strict compliance with bond covenants.
- Provide prompt and accurate management reports.
- Maintain the general ledger and the accounting system.
- Enhance EGWD's internal controls by development and implementation of internal auditing procedures.
- Conduct a new EGWD water rate study with the goal of minimizing future planned rate adjustments.
- Manage the EGWD investment portfolio to potentially increase investment earnings while maintaining safety and liquidity.
- Complete a review and /or revisions to the EGWD procurement policies.



TECHNICAL SERVICES

The Technical Services Division is responsible for developing and implementing the capital improvement program, and provides planning, engineering, construction management and technical support for EGWD operations. The Technical Services division includes the Assistant General Manager, Associate Civil Engineer (position currently vacant), Geographic Information System (GIS) Technician, and Administrative Assistant. The division is headed by the Assistant General Manager who reports to the General Manager.



FY 2017-18 OBJECTIVES

Technical Services

- Complete all required CIP projects identified in the FY 2017-18 CIP budget.
- Develop the FY 2019-2023 CIP for the next fiscal year.
- Provide technical support as needed to the Utility Department for the construction of the Service Line Replacements project, Kent Street Water Main project, Backyard Water Mains project, and the Railroad Water Treatment Facility Modular Meeting Room and Information Technology Center project.
- Provide technical support as needed to the Treatment and Distribution Departments.
- Participate in the region's efforts to form a Groundwater Sustainability Agency to comply with the requirements of the Sustainable Groundwater Management Act of 2014.
- Manage the Geographic Information System.
- Manage the Asset Management Program.

OPERATIONS

The Operations Division consists of the Treatment, Distribution, and Utility Departments. The purpose of Operations is to operate and maintain all facilities in a manner that safeguards public and employee health, complies with all regulatory requirements, and ensures outstanding customer service. The oversight of this Division is currently overseen by the General Manager.

FY 2017-18 OBJECTIVES

Treatment Department

- Operate and maintain of EGWD's water supply and treatment facilities ensuring safe and reliable water supplies to customers.
- Maintain strict compliance with all requirements imposed by the local, State, and Federal regulatory agencies with the intent of safeguarding public health and the environment.
- Complete the development of the fire system backflow prevention program
- Manage the Domestic Backflow/Cross-Connection Control Program.
- Operate the Hampton Water Treatment Plant after the conversion to arsenic treatment is complete



Distribution Department

- Repair and maintain EGWD's water distribution system, responding to emergencies quickly and minimizing the loss of potable water.
- Maintain EGWD's fire hydrants, ensuring reliability of fire flows during emergencies.

- Maintain the valve exercising program, ensuring that every valve is checked and exercised every three years.
- Conduct meter reading, maintains a balanced program of reading each customer's meter between 28-32 days.
- Field customer service requests and conduct first-call responses.
- Respond to all Underground Service Alert requests within 48 hours in compliance with State law.
- Abide by all State and Federal regulations regarding repairs that impact potable water.



Utility Department

- Advance the Service Line Replacements project, combining certain installations with the water main replacement projects.
- Construct the Kent St. Water Main, and Backyard Water Main projects to improve the water distribution system.
- Provide general construction services with EGWD personnel, thereby minimizing the need for outsourced contractors.



ELK GROVE WATER DISTRICT
LONG-TERM INDEBTEDNESS
CERTIFICATES OF PARTICIPATION
BOND COVENANT RATIOS

June 21, 2017

Elk Grove Water District Long-Term Indebtedness to Maturity

Payment Date	Total Principal	Total Interest	Fiscal Year Total
9/1/2017	1,990,000.00	936,059.38	
3/1/2018	-	897,289.38	3,823,348.76
9/1/2018	2,070,000.00	897,289.38	
3/1/2019	-	856,619.38	3,823,908.76
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
Totals	47,200,000.00	18,288,554.48	65,488,554.48

Elk Grove Water District Fiscal Year 2017-18 Operating Budget
June 21, 2017

Elk Grove Water District				
Fiscal Year 2017-18				
Long-Term Indebtedness				
Schedule of Required Payments				
Series	Description	Principal	Interest	Total Payment
2014 A	Water Revenue Refunding Bonds	1,475,000	1,319,719	2,794,719
2016 A	Water Revenue Refunding Bonds	515,000	513,630	1,028,630
	TOTAL DEBT SERVICE PAYMENTS	\$ 1,990,000	\$ 1,833,349	\$ 3,823,349
	Debt Service Coverage Ratio			
	Required		Ratio	
	Debt Covenant - 1.15		1.41	
	Net Income	\$ 5,394,494		
	Total COP Debt Service	\$ 3,823,349		

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.

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.

CCR – Consumer Confidence Report.

CMTA – California Municipal Treasurer’s Association.

COPs – Certificates of Participation. Financing in which an individual buys a share of the periodic revenues of an agreement made by a municipal or governmental entity, rather than the bond being secured by those revenues.

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.

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.

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.

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.

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.

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

“ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 RATES & FEES SCHEDULE.”

[Attached behind this cover page]

**Elk Grove Water District
Rates & Fees Schedule
Fiscal Year 2017-18**

Use Charges:

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

Connection Size	Jan. 1, 2017	Jan. 1, 2018
1"	\$ 64.73	\$ 66.67
1.5"	\$ 91.10	\$ 93.84
2"	\$ 122.76	\$ 126.44
3"	\$ 196.62	\$ 202.52
4"	\$ 302.13	\$ 311.19
6"	\$ 565.91	\$ 582.89
8"	\$ 882.45	\$ 908.93
10"	\$ 1,251.75	\$ 1,289.30

Commodity charge for units of water used in a month.

Service Type	Jan. 1, 2017	Jan. 1, 2018
Residential Metered		
Tier 1 (0-30 CCF)	\$ 1.52	\$ 1.57
Tier 2 (30.01+ CCF)	\$ 3.02	\$ 3.11
CCF = Hundred Cubic Feet		
Non-residential	\$ 1.72	\$ 1.77
Irrigation	\$ 1.85	\$ 1.91

Other Fees:

Private Fire Protection Service Rates:

Connection Size	Jan. 1, 2017	Jan. 1, 2018
2"	\$ 2.96	\$ 3.04
3"	\$ 8.60	\$ 8.86
4"	\$ 18.33	\$ 18.88
6"	\$ 53.25	\$ 54.85
8"	\$ 113.48	\$ 116.88
10"	\$ 204.06	\$ 210.19
12"	\$ 329.62	\$ 339.51

**Elk Grove Water District
Rates & Fees Schedule
Fiscal Year 2017-18**

New Connections: Effective June 26, 2013

Fees for new connection to EGWD contain two components. The base charge for a 1inch 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 if "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	\$ 3,206	\$ 4,132
1.5"	\$ 926 + T&M	\$ 6,413	\$ 7,339+
2"	\$ 926 + T&M	\$ 10,260	\$ 11,186+
3"	\$ 926 + T&M	\$ 19,238	\$ 20,164+
4"	\$ 926 + T&M	\$ 32,063	\$ 32,989+
6"	\$ 926 + T&M	\$ 64,125	\$ 65,051+

Other: Effective June 26, 2013

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 unpaid bill
Door hanger	\$25.00
Field service call	\$100.00
24 hour turn-on fee	\$100.00
Meter testing	\$47/hour
Back flow testing	\$70.00
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
9 lots (EDUs) or less	\$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

“ELK GROVE WATER DISTRICT FISCAL YEAR 2017-18 SALARY SCHEDULE.”

[Attached behind this cover page]

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
1	\$ 17,264.00	\$ 18,116.80	\$ 19,032.00	\$ 19,988.80	\$ 20,987.20
	\$ 1,438.67	\$ 1,509.73	\$ 1,586.00	\$ 1,665.73	\$ 1,748.93
	\$ 664.00	\$ 696.80	\$ 732.00	\$ 768.80	\$ 807.20
	\$ 8.30	\$ 8.71	\$ 9.15	\$ 9.61	\$ 10.09
2	\$ 17,700.80	\$ 18,574.40	\$ 19,510.40	\$ 20,488.00	\$ 21,507.20
	\$ 1,475.07	\$ 1,547.87	\$ 1,625.87	\$ 1,707.33	\$ 1,792.27
	\$ 680.80	\$ 714.40	\$ 750.40	\$ 788.00	\$ 827.20
	\$ 8.51	\$ 8.93	\$ 9.38	\$ 9.85	\$ 10.34
3	\$ 18,116.80	\$ 19,032.00	\$ 19,988.80	\$ 20,987.20	\$ 22,027.20
	\$ 1,509.73	\$ 1,586.00	\$ 1,665.73	\$ 1,748.93	\$ 1,835.60
	\$ 696.80	\$ 732.00	\$ 768.80	\$ 807.20	\$ 847.20
	\$ 8.71	\$ 9.15	\$ 9.61	\$ 10.09	\$ 10.59
4	\$ 18,574.40	\$ 19,510.40	\$ 20,488.00	\$ 21,507.20	\$ 22,588.80
	\$ 1,547.87	\$ 1,625.87	\$ 1,707.33	\$ 1,792.27	\$ 1,882.40
	\$ 714.40	\$ 750.40	\$ 788.00	\$ 827.20	\$ 868.80
	\$ 8.93	\$ 9.38	\$ 9.85	\$ 10.34	\$ 10.86
5	\$ 19,032.00	\$ 19,988.80	\$ 20,987.20	\$ 22,027.20	\$ 23,129.60
	\$ 1,586.00	\$ 1,665.73	\$ 1,748.93	\$ 1,835.60	\$ 1,927.47
	\$ 732.00	\$ 768.80	\$ 807.20	\$ 847.20	\$ 889.60
	\$ 9.15	\$ 9.61	\$ 10.09	\$ 10.59	\$ 11.12
6	\$ 19,510.40	\$ 20,488.00	\$ 21,507.20	\$ 22,588.80	\$ 23,712.00
	\$ 1,625.87	\$ 1,707.33	\$ 1,792.27	\$ 1,882.40	\$ 1,976.00
	\$ 750.40	\$ 788.00	\$ 827.20	\$ 868.80	\$ 912.00
	\$ 9.38	\$ 9.85	\$ 10.34	\$ 10.86	\$ 11.40
7	\$ 19,988.80	\$ 20,987.20	\$ 22,027.20	\$ 23,129.60	\$ 24,294.40
	\$ 1,665.73	\$ 1,748.93	\$ 1,835.60	\$ 1,927.47	\$ 2,024.53
	\$ 768.80	\$ 807.20	\$ 847.20	\$ 889.60	\$ 934.40
	\$ 9.61	\$ 10.09	\$ 10.59	\$ 11.12	\$ 11.68
8	\$ 20,488.00	\$ 21,507.20	\$ 22,588.80	\$ 23,712.00	\$ 24,897.60
	\$ 1,707.33	\$ 1,792.27	\$ 1,882.40	\$ 1,976.00	\$ 2,074.80
	\$ 788.00	\$ 827.20	\$ 868.80	\$ 912.00	\$ 957.60
	\$ 9.85	\$ 10.34	\$ 10.86	\$ 11.40	\$ 11.97
9	\$ 20,987.20	\$ 22,027.20	\$ 23,129.60	\$ 24,294.40	\$ 25,500.80
	\$ 1,748.93	\$ 1,835.60	\$ 1,927.47	\$ 2,024.53	\$ 2,125.07
	\$ 807.20	\$ 847.20	\$ 889.60	\$ 934.40	\$ 980.80
	\$ 10.09	\$ 10.59	\$ 11.12	\$ 11.68	\$ 12.26
10	\$ 21,507.20	\$ 22,588.80	\$ 23,712.00	\$ 24,897.60	\$ 26,145.60
	\$ 1,792.27	\$ 1,882.40	\$ 1,976.00	\$ 2,074.80	\$ 2,178.80
	\$ 827.20	\$ 868.80	\$ 912.00	\$ 957.60	\$ 1,005.60
	\$ 10.34	\$ 10.86	\$ 11.40	\$ 11.97	\$ 12.57

ELK GROVE WATER DISTRICT
Salary Schedule
Annual, Monthly, Bi-Weekly & Hourly Wage
As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
11	\$ 22,027.20	\$ 23,129.60	\$ 24,294.40	\$ 25,500.80	\$ 26,790.40
	\$ 1,835.60	\$ 1,927.47	\$ 2,024.53	\$ 2,125.07	\$ 2,232.53
	\$ 847.20	\$ 889.60	\$ 934.40	\$ 980.80	\$ 1,030.40
	\$ 10.59	\$ 11.12	\$ 11.68	\$ 12.26	\$ 12.88
12	\$ 22,588.80	\$ 23,712.00	\$ 24,897.60	\$ 26,145.60	\$ 27,456.00
	\$ 1,882.40	\$ 1,976.00	\$ 2,074.80	\$ 2,178.80	\$ 2,288.00
	\$ 868.80	\$ 912.00	\$ 957.60	\$ 1,005.60	\$ 1,056.00
	\$ 10.86	\$ 11.40	\$ 11.97	\$ 12.57	\$ 13.20
13	\$ 23,129.60	\$ 24,294.40	\$ 25,500.80	\$ 26,790.40	\$ 28,121.60
	\$ 1,927.47	\$ 2,024.53	\$ 2,125.07	\$ 2,232.53	\$ 2,343.47
	\$ 889.60	\$ 934.40	\$ 980.80	\$ 1,030.40	\$ 1,081.60
	\$ 11.12	\$ 11.68	\$ 12.26	\$ 12.88	\$ 13.52
14	\$ 23,712.00	\$ 24,897.60	\$ 26,145.60	\$ 27,456.00	\$ 28,828.80
	\$ 1,976.00	\$ 2,074.80	\$ 2,178.80	\$ 2,288.00	\$ 2,402.40
	\$ 912.00	\$ 957.60	\$ 1,005.60	\$ 1,056.00	\$ 1,108.80
	\$ 11.40	\$ 11.97	\$ 12.57	\$ 13.20	\$ 13.86
15	\$ 24,294.40	\$ 25,500.80	\$ 26,790.40	\$ 28,121.60	\$ 29,536.00
	\$ 2,024.53	\$ 2,125.07	\$ 2,232.53	\$ 2,343.47	\$ 2,461.33
	\$ 934.40	\$ 980.80	\$ 1,030.40	\$ 1,081.60	\$ 1,136.00
	\$ 11.68	\$ 12.26	\$ 12.88	\$ 13.52	\$ 14.20
16	\$ 24,897.60	\$ 26,145.60	\$ 27,456.00	\$ 28,828.80	\$ 30,264.00
	\$ 2,074.80	\$ 2,178.80	\$ 2,288.00	\$ 2,402.40	\$ 2,522.00
	\$ 957.60	\$ 1,005.60	\$ 1,056.00	\$ 1,108.80	\$ 1,164.00
	\$ 11.97	\$ 12.57	\$ 13.20	\$ 13.86	\$ 14.55
17	\$ 25,500.80	\$ 26,790.40	\$ 28,121.60	\$ 29,536.00	\$ 31,012.80
	\$ 2,125.07	\$ 2,232.53	\$ 2,343.47	\$ 2,461.33	\$ 2,584.40
	\$ 980.80	\$ 1,030.40	\$ 1,081.60	\$ 1,136.00	\$ 1,192.80
	\$ 12.26	\$ 12.88	\$ 13.52	\$ 14.20	\$ 14.91
18	\$ 26,145.60	\$ 27,456.00	\$ 28,828.80	\$ 30,264.00	\$ 31,782.40
	\$ 2,178.80	\$ 2,288.00	\$ 2,402.40	\$ 2,522.00	\$ 2,648.53
	\$ 1,005.60	\$ 1,056.00	\$ 1,108.80	\$ 1,164.00	\$ 1,222.40
	\$ 12.57	\$ 13.20	\$ 13.86	\$ 14.55	\$ 15.28
19	\$ 26,790.40	\$ 28,121.60	\$ 29,536.00	\$ 31,012.80	\$ 32,552.00
	\$ 2,232.53	\$ 2,343.47	\$ 2,461.33	\$ 2,584.40	\$ 2,712.67
	\$ 1,030.40	\$ 1,081.60	\$ 1,136.00	\$ 1,192.80	\$ 1,252.00
	\$ 12.88	\$ 13.52	\$ 14.20	\$ 14.91	\$ 15.65
20	\$ 27,456.00	\$ 28,828.80	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20
	\$ 2,288.00	\$ 2,402.40	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27
	\$ 1,056.00	\$ 1,108.80	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20
	\$ 13.20	\$ 13.86	\$ 14.55	\$ 15.28	\$ 16.04

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
21	\$ 28,121.60	\$ 29,536.00	\$ 31,012.80	\$ 32,552.00	\$ 34,174.40
	\$ 2,343.47	\$ 2,461.33	\$ 2,584.40	\$ 2,712.67	\$ 2,847.87
	\$ 1,081.60	\$ 1,136.00	\$ 1,192.80	\$ 1,252.00	\$ 1,314.40
	\$ 13.52	\$ 14.20	\$ 14.91	\$ 15.65	\$ 16.43
22	\$ 28,828.80	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20	\$ 35,027.20
	\$ 2,402.40	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27	\$ 2,918.93
	\$ 1,108.80	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20	\$ 1,347.20
	\$ 13.86	\$ 14.55	\$ 15.28	\$ 16.04	\$ 16.84
23	\$ 29,536.00	\$ 31,012.80	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80
	\$ 2,461.33	\$ 2,584.40	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73
	\$ 1,136.00	\$ 1,192.80	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80
	\$ 14.20	\$ 14.91	\$ 15.65	\$ 16.43	\$ 17.26
24	\$ 30,264.00	\$ 31,782.40	\$ 33,363.20	\$ 35,027.20	\$ 36,795.20
	\$ 2,522.00	\$ 2,648.53	\$ 2,780.27	\$ 2,918.93	\$ 3,066.27
	\$ 1,164.00	\$ 1,222.40	\$ 1,283.20	\$ 1,347.20	\$ 1,415.20
	\$ 14.55	\$ 15.28	\$ 16.04	\$ 16.84	\$ 17.69
25	\$ 31,012.80	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60
	\$ 2,584.40	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80
	\$ 1,192.80	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60
	\$ 14.91	\$ 15.65	\$ 16.43	\$ 17.26	\$ 18.12
26	\$ 31,782.40	\$ 33,363.20	\$ 35,027.20	\$ 36,795.20	\$ 38,625.60
	\$ 2,648.53	\$ 2,780.27	\$ 2,918.93	\$ 3,066.27	\$ 3,218.80
	\$ 1,222.40	\$ 1,283.20	\$ 1,347.20	\$ 1,415.20	\$ 1,485.60
	\$ 15.28	\$ 16.04	\$ 16.84	\$ 17.69	\$ 18.57
27	\$ 32,552.00	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60	\$ 39,561.60
	\$ 2,712.67	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80	\$ 3,296.80
	\$ 1,252.00	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60	\$ 1,521.60
	\$ 15.65	\$ 16.43	\$ 17.26	\$ 18.12	\$ 19.02
28	\$ 33,363.20	\$ 35,027.20	\$ 36,795.20	\$ 38,625.60	\$ 40,560.00
	\$ 2,780.27	\$ 2,918.93	\$ 3,066.27	\$ 3,218.80	\$ 3,380.00
	\$ 1,283.20	\$ 1,347.20	\$ 1,415.20	\$ 1,485.60	\$ 1,560.00
	\$ 16.04	\$ 16.84	\$ 17.69	\$ 18.57	\$ 19.50
29	\$ 34,174.40	\$ 35,900.80	\$ 37,689.60	\$ 39,561.60	\$ 41,537.60
	\$ 2,847.87	\$ 2,991.73	\$ 3,140.80	\$ 3,296.80	\$ 3,461.47
	\$ 1,314.40	\$ 1,380.80	\$ 1,449.60	\$ 1,521.60	\$ 1,597.60
	\$ 16.43	\$ 17.26	\$ 18.12	\$ 19.02	\$ 19.97
30	\$ 35,027.20	\$ 36,795.20	\$ 38,625.60	\$ 40,560.00	\$ 42,577.60
	\$ 2,918.93	\$ 3,066.27	\$ 3,218.80	\$ 3,380.00	\$ 3,548.13
	\$ 1,347.20	\$ 1,415.20	\$ 1,485.60	\$ 1,560.00	\$ 1,637.60
	\$ 16.84	\$ 17.69	\$ 18.57	\$ 19.50	\$ 20.47

ELK GROVE WATER DISTRICT
Salary Schedule
Annual, Monthly, Bi-Weekly & Hourly Wage
As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
31	\$ 35,900.80	\$ 37,689.60	\$ 39,561.60	\$ 41,537.60	\$ 43,617.60
	\$ 2,991.73	\$ 3,140.80	\$ 3,296.80	\$ 3,461.47	\$ 3,634.80
	\$ 1,380.80	\$ 1,449.60	\$ 1,521.60	\$ 1,597.60	\$ 1,677.60
	\$ 17.26	\$ 18.12	\$ 19.02	\$ 19.97	\$ 20.97
32	\$ 36,795.20	\$ 38,625.60	\$ 40,560.00	\$ 42,577.60	\$ 44,720.00
	\$ 3,066.27	\$ 3,218.80	\$ 3,380.00	\$ 3,548.13	\$ 3,726.67
	\$ 1,415.20	\$ 1,485.60	\$ 1,560.00	\$ 1,637.60	\$ 1,720.00
	\$ 17.69	\$ 18.57	\$ 19.50	\$ 20.47	\$ 21.50
33	\$ 37,689.60	\$ 39,561.60	\$ 41,537.60	\$ 43,617.60	\$ 45,801.60
	\$ 3,140.80	\$ 3,296.80	\$ 3,461.47	\$ 3,634.80	\$ 3,816.80
	\$ 1,449.60	\$ 1,521.60	\$ 1,597.60	\$ 1,677.60	\$ 1,761.60
	\$ 18.12	\$ 19.02	\$ 19.97	\$ 20.97	\$ 22.02
34	\$ 38,625.60	\$ 40,560.00	\$ 42,577.60	\$ 44,720.00	\$ 46,945.60
	\$ 3,218.80	\$ 3,380.00	\$ 3,548.13	\$ 3,726.67	\$ 3,912.13
	\$ 1,485.60	\$ 1,560.00	\$ 1,637.60	\$ 1,720.00	\$ 1,805.60
	\$ 18.57	\$ 19.50	\$ 20.47	\$ 21.50	\$ 22.57
35	\$ 39,561.60	\$ 41,537.60	\$ 43,617.60	\$ 45,801.60	\$ 48,089.60
	\$ 3,296.80	\$ 3,461.47	\$ 3,634.80	\$ 3,816.80	\$ 4,007.47
	\$ 1,521.60	\$ 1,597.60	\$ 1,677.60	\$ 1,761.60	\$ 1,849.60
	\$ 19.02	\$ 19.97	\$ 20.97	\$ 22.02	\$ 23.12
36	\$ 40,560.00	\$ 42,577.60	\$ 44,720.00	\$ 46,945.60	\$ 49,296.00
	\$ 3,380.00	\$ 3,548.13	\$ 3,726.67	\$ 3,912.13	\$ 4,108.00
	\$ 1,560.00	\$ 1,637.60	\$ 1,720.00	\$ 1,805.60	\$ 1,896.00
	\$ 19.50	\$ 20.47	\$ 21.50	\$ 22.57	\$ 23.70
37	\$ 41,537.60	\$ 43,617.60	\$ 45,801.60	\$ 48,089.60	\$ 50,502.40
	\$ 3,461.47	\$ 3,634.80	\$ 3,816.80	\$ 4,007.47	\$ 4,208.53
	\$ 1,597.60	\$ 1,677.60	\$ 1,761.60	\$ 1,849.60	\$ 1,942.40
	\$ 19.97	\$ 20.97	\$ 22.02	\$ 23.12	\$ 24.28
38	\$ 42,577.60	\$ 44,720.00	\$ 46,945.60	\$ 49,296.00	\$ 51,771.20
	\$ 3,548.13	\$ 3,726.67	\$ 3,912.13	\$ 4,108.00	\$ 4,314.27
	\$ 1,637.60	\$ 1,720.00	\$ 1,805.60	\$ 1,896.00	\$ 1,991.20
	\$ 20.47	\$ 21.50	\$ 22.57	\$ 23.70	\$ 24.89
39	\$ 43,617.60	\$ 45,801.60	\$ 48,089.60	\$ 50,502.40	\$ 53,019.20
	\$ 3,634.80	\$ 3,816.80	\$ 4,007.47	\$ 4,208.53	\$ 4,418.27
	\$ 1,677.60	\$ 1,761.60	\$ 1,849.60	\$ 1,942.40	\$ 2,039.20
	\$ 20.97	\$ 22.02	\$ 23.12	\$ 24.28	\$ 25.49
40	\$ 44,720.00	\$ 46,945.60	\$ 49,296.00	\$ 51,771.20	\$ 54,350.40
	\$ 3,726.67	\$ 3,912.13	\$ 4,108.00	\$ 4,314.27	\$ 4,529.20
	\$ 1,720.00	\$ 1,805.60	\$ 1,896.00	\$ 1,991.20	\$ 2,090.40
	\$ 21.50	\$ 22.57	\$ 23.70	\$ 24.89	\$ 26.13

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
41	\$ 45,801.60	\$ 48,089.60	\$ 50,502.40	\$ 53,019.20	\$ 55,681.60
	\$ 3,816.80	\$ 4,007.47	\$ 4,208.53	\$ 4,418.27	\$ 4,640.13
	\$ 1,761.60	\$ 1,849.60	\$ 1,942.40	\$ 2,039.20	\$ 2,141.60
	\$ 22.02	\$ 23.12	\$ 24.28	\$ 25.49	\$ 26.77
42	\$ 46,945.60	\$ 49,296.00	\$ 51,771.20	\$ 54,350.40	\$ 57,075.20
	\$ 3,912.13	\$ 4,108.00	\$ 4,314.27	\$ 4,529.20	\$ 4,756.27
	\$ 1,805.60	\$ 1,896.00	\$ 1,991.20	\$ 2,090.40	\$ 2,195.20
	\$ 22.57	\$ 23.70	\$ 24.89	\$ 26.13	\$ 27.44
43	\$ 48,089.60	\$ 50,502.40	\$ 53,019.20	\$ 55,681.60	\$ 58,468.80
	\$ 4,007.47	\$ 4,208.53	\$ 4,418.27	\$ 4,640.13	\$ 4,872.40
	\$ 1,849.60	\$ 1,942.40	\$ 2,039.20	\$ 2,141.60	\$ 2,248.80
	\$ 23.12	\$ 24.28	\$ 25.49	\$ 26.77	\$ 28.11
44	\$ 49,296.00	\$ 51,771.20	\$ 54,350.40	\$ 57,075.20	\$ 59,924.80
	\$ 4,108.00	\$ 4,314.27	\$ 4,529.20	\$ 4,756.27	\$ 4,993.73
	\$ 1,896.00	\$ 1,991.20	\$ 2,090.40	\$ 2,195.20	\$ 2,304.80
	\$ 23.70	\$ 24.89	\$ 26.13	\$ 27.44	\$ 28.81
45	\$ 50,502.40	\$ 53,019.20	\$ 55,681.60	\$ 58,468.80	\$ 61,380.80
	\$ 4,208.53	\$ 4,418.27	\$ 4,640.13	\$ 4,872.40	\$ 5,115.07
	\$ 1,942.40	\$ 2,039.20	\$ 2,141.60	\$ 2,248.80	\$ 2,360.80
	\$ 24.28	\$ 25.49	\$ 26.77	\$ 28.11	\$ 29.51
46	\$ 51,771.20	\$ 54,350.40	\$ 57,075.20	\$ 59,924.80	\$ 62,920.00
	\$ 4,314.27	\$ 4,529.20	\$ 4,756.27	\$ 4,993.73	\$ 5,243.33
	\$ 1,991.20	\$ 2,090.40	\$ 2,195.20	\$ 2,304.80	\$ 2,420.00
	\$ 24.89	\$ 26.13	\$ 27.44	\$ 28.81	\$ 30.25
47	\$ 53,019.20	\$ 55,681.60	\$ 58,468.80	\$ 61,380.80	\$ 64,459.20
	\$ 4,418.27	\$ 4,640.13	\$ 4,872.40	\$ 5,115.07	\$ 5,371.60
	\$ 2,039.20	\$ 2,141.60	\$ 2,248.80	\$ 2,360.80	\$ 2,479.20
	\$ 25.49	\$ 26.77	\$ 28.11	\$ 29.51	\$ 30.99
48	\$ 54,350.40	\$ 57,075.20	\$ 59,924.80	\$ 62,920.00	\$ 66,060.80
	\$ 4,529.20	\$ 4,756.27	\$ 4,993.73	\$ 5,243.33	\$ 5,505.07
	\$ 2,090.40	\$ 2,195.20	\$ 2,304.80	\$ 2,420.00	\$ 2,540.80
	\$ 26.13	\$ 27.44	\$ 28.81	\$ 30.25	\$ 31.76
49	\$ 55,681.60	\$ 58,468.80	\$ 61,380.80	\$ 64,459.20	\$ 67,683.20
	\$ 4,640.13	\$ 4,872.40	\$ 5,115.07	\$ 5,371.60	\$ 5,640.27
	\$ 2,141.60	\$ 2,248.80	\$ 2,360.80	\$ 2,479.20	\$ 2,603.20
	\$ 26.77	\$ 28.11	\$ 29.51	\$ 30.99	\$ 32.54
50	\$ 57,075.20	\$ 59,924.80	\$ 62,920.00	\$ 66,060.80	\$ 69,368.00
	\$ 4,756.27	\$ 4,993.73	\$ 5,243.33	\$ 5,505.07	\$ 5,780.67
	\$ 2,195.20	\$ 2,304.80	\$ 2,420.00	\$ 2,540.80	\$ 2,668.00
	\$ 27.44	\$ 28.81	\$ 30.25	\$ 31.76	\$ 33.35

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
51	\$ 58,468.80	\$ 61,380.80	\$ 64,459.20	\$ 67,683.20	\$ 71,052.80
	\$ 4,872.40	\$ 5,115.07	\$ 5,371.60	\$ 5,640.27	\$ 5,921.07
	\$ 2,248.80	\$ 2,360.80	\$ 2,479.20	\$ 2,603.20	\$ 2,732.80
	\$ 28.11	\$ 29.51	\$ 30.99	\$ 32.54	\$ 34.16
52	\$ 59,924.80	\$ 62,920.00	\$ 66,060.80	\$ 69,368.00	\$ 72,841.60
	\$ 4,993.73	\$ 5,243.33	\$ 5,505.07	\$ 5,780.67	\$ 6,070.13
	\$ 2,304.80	\$ 2,420.00	\$ 2,540.80	\$ 2,668.00	\$ 2,801.60
	\$ 28.81	\$ 30.25	\$ 31.76	\$ 33.35	\$ 35.02
53	\$ 61,380.80	\$ 64,459.20	\$ 67,683.20	\$ 71,052.80	\$ 74,609.60
	\$ 5,115.07	\$ 5,371.60	\$ 5,640.27	\$ 5,921.07	\$ 6,217.47
	\$ 2,360.80	\$ 2,479.20	\$ 2,603.20	\$ 2,732.80	\$ 2,869.60
	\$ 29.51	\$ 30.99	\$ 32.54	\$ 34.16	\$ 35.87
54	\$ 62,920.00	\$ 66,060.80	\$ 69,368.00	\$ 72,841.60	\$ 76,481.60
	\$ 5,243.33	\$ 5,505.07	\$ 5,780.67	\$ 6,070.13	\$ 6,373.47
	\$ 2,420.00	\$ 2,540.80	\$ 2,668.00	\$ 2,801.60	\$ 2,941.60
	\$ 30.25	\$ 31.76	\$ 33.35	\$ 35.02	\$ 36.77
55	\$ 64,459.20	\$ 67,683.20	\$ 71,052.80	\$ 74,609.60	\$ 78,353.60
	\$ 5,371.60	\$ 5,640.27	\$ 5,921.07	\$ 6,217.47	\$ 6,529.47
	\$ 2,479.20	\$ 2,603.20	\$ 2,732.80	\$ 2,869.60	\$ 3,013.60
	\$ 30.99	\$ 32.54	\$ 34.16	\$ 35.87	\$ 37.67
56	\$ 66,060.80	\$ 69,368.00	\$ 72,841.60	\$ 76,481.60	\$ 80,308.80
	\$ 5,505.07	\$ 5,780.67	\$ 6,070.13	\$ 6,373.47	\$ 6,692.40
	\$ 2,540.80	\$ 2,668.00	\$ 2,801.60	\$ 2,941.60	\$ 3,088.80
	\$ 31.76	\$ 33.35	\$ 35.02	\$ 36.77	\$ 38.61
57	\$ 67,683.20	\$ 71,052.80	\$ 74,609.60	\$ 78,353.60	\$ 82,264.00
	\$ 5,640.27	\$ 5,921.07	\$ 6,217.47	\$ 6,529.47	\$ 6,855.33
	\$ 2,603.20	\$ 2,732.80	\$ 2,869.60	\$ 3,013.60	\$ 3,164.00
	\$ 32.54	\$ 34.16	\$ 35.87	\$ 37.67	\$ 39.55
58	\$ 69,368.00	\$ 72,841.60	\$ 76,481.60	\$ 80,308.80	\$ 84,323.20
	\$ 5,780.67	\$ 6,070.13	\$ 6,373.47	\$ 6,692.40	\$ 7,026.93
	\$ 2,668.00	\$ 2,801.60	\$ 2,941.60	\$ 3,088.80	\$ 3,243.20
	\$ 33.35	\$ 35.02	\$ 36.77	\$ 38.61	\$ 40.54
59	\$ 71,052.80	\$ 74,609.60	\$ 78,353.60	\$ 82,264.00	\$ 86,382.40
	\$ 5,921.07	\$ 6,217.47	\$ 6,529.47	\$ 6,855.33	\$ 7,198.53
	\$ 2,732.80	\$ 2,869.60	\$ 3,013.60	\$ 3,164.00	\$ 3,322.40
	\$ 34.16	\$ 35.87	\$ 37.67	\$ 39.55	\$ 41.53
60	\$ 72,841.60	\$ 76,481.60	\$ 80,308.80	\$ 84,323.20	\$ 88,524.80
	\$ 6,070.13	\$ 6,373.47	\$ 6,692.40	\$ 7,026.93	\$ 7,377.07
	\$ 2,801.60	\$ 2,941.60	\$ 3,088.80	\$ 3,243.20	\$ 3,404.80
	\$ 35.02	\$ 36.77	\$ 38.61	\$ 40.54	\$ 42.56

ELK GROVE WATER DISTRICT
Salary Schedule
Annual, Monthly, Bi-Weekly & Hourly Wage
As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
61	\$ 74,609.60	\$ 78,353.60	\$ 82,264.00	\$ 86,382.40	\$ 90,688.00
	\$ 6,217.47	\$ 6,529.47	\$ 6,855.33	\$ 7,198.53	\$ 7,557.33
	\$ 2,869.60	\$ 3,013.60	\$ 3,164.00	\$ 3,322.40	\$ 3,488.00
	\$ 35.87	\$ 37.67	\$ 39.55	\$ 41.53	\$ 43.60
62	\$ 76,481.60	\$ 80,308.80	\$ 84,323.20	\$ 88,524.80	\$ 92,955.20
	\$ 6,373.47	\$ 6,692.40	\$ 7,026.93	\$ 7,377.07	\$ 7,746.27
	\$ 2,941.60	\$ 3,088.80	\$ 3,243.20	\$ 3,404.80	\$ 3,575.20
	\$ 36.77	\$ 38.61	\$ 40.54	\$ 42.56	\$ 44.69
63	\$ 78,353.60	\$ 82,264.00	\$ 86,382.40	\$ 90,688.00	\$ 95,222.40
	\$ 6,529.47	\$ 6,855.33	\$ 7,198.53	\$ 7,557.33	\$ 7,935.20
	\$ 3,013.60	\$ 3,164.00	\$ 3,322.40	\$ 3,488.00	\$ 3,662.40
	\$ 37.67	\$ 39.55	\$ 41.53	\$ 43.60	\$ 45.78
64	\$ 80,308.80	\$ 84,323.20	\$ 88,524.80	\$ 92,955.20	\$ 97,614.40
	\$ 6,692.40	\$ 7,026.93	\$ 7,377.07	\$ 7,746.27	\$ 8,134.53
	\$ 3,088.80	\$ 3,243.20	\$ 3,404.80	\$ 3,575.20	\$ 3,754.40
	\$ 38.61	\$ 40.54	\$ 42.56	\$ 44.69	\$ 46.93
65	\$ 82,264.00	\$ 86,382.40	\$ 90,688.00	\$ 95,222.40	\$ 99,985.60
	\$ 6,855.33	\$ 7,198.53	\$ 7,557.33	\$ 7,935.20	\$ 8,332.13
	\$ 3,164.00	\$ 3,322.40	\$ 3,488.00	\$ 3,662.40	\$ 3,845.60
	\$ 39.55	\$ 41.53	\$ 43.60	\$ 45.78	\$ 48.07
66	\$ 84,323.20	\$ 88,524.80	\$ 92,955.20	\$ 97,614.40	\$ 102,481.60
	\$ 7,026.93	\$ 7,377.07	\$ 7,746.27	\$ 8,134.53	\$ 8,540.13
	\$ 3,243.20	\$ 3,404.80	\$ 3,575.20	\$ 3,754.40	\$ 3,941.60
	\$ 40.54	\$ 42.56	\$ 44.69	\$ 46.93	\$ 49.27
67	\$ 86,382.40	\$ 90,688.00	\$ 95,222.40	\$ 99,985.60	\$ 104,998.40
	\$ 7,198.53	\$ 7,557.33	\$ 7,935.20	\$ 8,332.13	\$ 8,749.87
	\$ 3,322.40	\$ 3,488.00	\$ 3,662.40	\$ 3,845.60	\$ 4,038.40
	\$ 41.53	\$ 43.60	\$ 45.78	\$ 48.07	\$ 50.48
68	\$ 88,524.80	\$ 92,955.20	\$ 97,614.40	\$ 102,481.60	\$ 107,619.20
	\$ 7,377.07	\$ 7,746.27	\$ 8,134.53	\$ 8,540.13	\$ 8,968.27
	\$ 3,404.80	\$ 3,575.20	\$ 3,754.40	\$ 3,941.60	\$ 4,139.20
	\$ 42.56	\$ 44.69	\$ 46.93	\$ 49.27	\$ 51.74
69	\$ 90,688.00	\$ 95,222.40	\$ 99,985.60	\$ 104,998.40	\$ 110,240.00
	\$ 7,557.33	\$ 7,935.20	\$ 8,332.13	\$ 8,749.87	\$ 9,186.67
	\$ 3,488.00	\$ 3,662.40	\$ 3,845.60	\$ 4,038.40	\$ 4,240.00
	\$ 43.60	\$ 45.78	\$ 48.07	\$ 50.48	\$ 53.00
70	\$ 92,955.20	\$ 97,614.40	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60
	\$ 7,746.27	\$ 8,134.53	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47
	\$ 3,575.20	\$ 3,754.40	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60
	\$ 44.69	\$ 46.93	\$ 49.27	\$ 51.74	\$ 54.32

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
71	\$ 95,222.40	\$ 99,985.60	\$ 104,998.40	\$ 110,240.00	\$ 115,752.00
	\$ 7,935.20	\$ 8,332.13	\$ 8,749.87	\$ 9,186.67	\$ 9,646.00
	\$ 3,662.40	\$ 3,845.60	\$ 4,038.40	\$ 4,240.00	\$ 4,452.00
	\$ 45.78	\$ 48.07	\$ 50.48	\$ 53.00	\$ 55.65
72	\$ 97,614.40	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60	\$ 118,643.20
	\$ 8,134.53	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47	\$ 9,886.93
	\$ 3,754.40	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60	\$ 4,563.20
	\$ 46.93	\$ 49.27	\$ 51.74	\$ 54.32	\$ 57.04
73	\$ 99,985.60	\$ 104,998.40	\$ 110,240.00	\$ 115,752.00	\$ 121,534.40
	\$ 8,332.13	\$ 8,749.87	\$ 9,186.67	\$ 9,646.00	\$ 10,127.87
	\$ 3,845.60	\$ 4,038.40	\$ 4,240.00	\$ 4,452.00	\$ 4,674.40
	\$ 48.07	\$ 50.48	\$ 53.00	\$ 55.65	\$ 58.43
74	\$ 102,481.60	\$ 107,619.20	\$ 112,985.60	\$ 118,643.20	\$ 124,571.20
	\$ 8,540.13	\$ 8,968.27	\$ 9,415.47	\$ 9,886.93	\$ 10,380.93
	\$ 3,941.60	\$ 4,139.20	\$ 4,345.60	\$ 4,563.20	\$ 4,791.20
	\$ 49.27	\$ 51.74	\$ 54.32	\$ 57.04	\$ 59.89
75	\$ 104,998.40	\$ 110,240.00	\$ 115,752.00	\$ 121,534.40	\$ 127,608.00
	\$ 8,749.87	\$ 9,186.67	\$ 9,646.00	\$ 10,127.87	\$ 10,634.00
	\$ 4,038.40	\$ 4,240.00	\$ 4,452.00	\$ 4,674.40	\$ 4,908.00
	\$ 50.48	\$ 53.00	\$ 55.65	\$ 58.43	\$ 61.35
76	\$ 107,619.20	\$ 112,985.60	\$ 118,643.20	\$ 124,571.20	\$ 130,811.20
	\$ 8,968.27	\$ 9,415.47	\$ 9,886.93	\$ 10,380.93	\$ 10,900.93
	\$ 4,139.20	\$ 4,345.60	\$ 4,563.20	\$ 4,791.20	\$ 5,031.20
	\$ 51.74	\$ 54.32	\$ 57.04	\$ 59.89	\$ 62.89
77	\$ 110,240.00	\$ 115,752.00	\$ 121,534.40	\$ 127,608.00	\$ 133,993.60
	\$ 9,186.67	\$ 9,646.00	\$ 10,127.87	\$ 10,634.00	\$ 11,166.13
	\$ 4,240.00	\$ 4,452.00	\$ 4,674.40	\$ 4,908.00	\$ 5,153.60
	\$ 53.00	\$ 55.65	\$ 58.43	\$ 61.35	\$ 64.42
78	\$ 112,985.60	\$ 118,643.20	\$ 124,571.20	\$ 130,811.20	\$ 137,342.40
	\$ 9,415.47	\$ 9,886.93	\$ 10,380.93	\$ 10,900.93	\$ 11,445.20
	\$ 4,345.60	\$ 4,563.20	\$ 4,791.20	\$ 5,031.20	\$ 5,282.40
	\$ 54.32	\$ 57.04	\$ 59.89	\$ 62.89	\$ 66.03
79	\$ 115,752.00	\$ 121,534.40	\$ 127,608.00	\$ 133,993.60	\$ 140,691.20
	\$ 9,646.00	\$ 10,127.87	\$ 10,634.00	\$ 11,166.13	\$ 11,724.27
	\$ 4,452.00	\$ 4,674.40	\$ 4,908.00	\$ 5,153.60	\$ 5,411.20
	\$ 55.65	\$ 58.43	\$ 61.35	\$ 64.42	\$ 67.64
80	\$ 118,643.20	\$ 124,571.20	\$ 130,811.20	\$ 137,342.40	\$ 144,206.40
	\$ 9,886.93	\$ 10,380.93	\$ 10,900.93	\$ 11,445.20	\$ 12,017.20
	\$ 4,563.20	\$ 4,791.20	\$ 5,031.20	\$ 5,282.40	\$ 5,546.40
	\$ 57.04	\$ 59.89	\$ 62.89	\$ 66.03	\$ 69.33

ELK GROVE WATER DISTRICT

Salary Schedule

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

Grade	Step I	Step II	Step III	Step IV	Step V
81	\$ 121,534.40	\$ 127,608.00	\$ 133,993.60	\$ 140,691.20	\$ 147,721.60
	\$ 10,127.87	\$ 10,634.00	\$ 11,166.13	\$ 11,724.27	\$ 12,310.13
	\$ 4,674.40	\$ 4,908.00	\$ 5,153.60	\$ 5,411.20	\$ 5,681.60
	\$ 58.43	\$ 61.35	\$ 64.42	\$ 67.64	\$ 71.02
82	\$ 124,571.20	\$ 130,811.20	\$ 137,342.40	\$ 144,206.40	\$ 151,424.00
	\$ 10,380.93	\$ 10,900.93	\$ 11,445.20	\$ 12,017.20	\$ 12,618.67
	\$ 4,791.20	\$ 5,031.20	\$ 5,282.40	\$ 5,546.40	\$ 5,824.00
	\$ 59.89	\$ 62.89	\$ 66.03	\$ 69.33	\$ 72.80
83	\$ 127,608.00	\$ 133,993.60	\$ 140,691.20	\$ 147,721.60	\$ 155,126.40
	\$ 10,634.00	\$ 11,166.13	\$ 11,724.27	\$ 12,310.13	\$ 12,927.20
	\$ 4,908.00	\$ 5,153.60	\$ 5,411.20	\$ 5,681.60	\$ 5,966.40
	\$ 61.35	\$ 64.42	\$ 67.64	\$ 71.02	\$ 74.58
84	\$ 130,811.20	\$ 137,342.40	\$ 144,206.40	\$ 151,424.00	\$ 158,995.20
	\$ 10,900.93	\$ 11,445.20	\$ 12,017.20	\$ 12,618.67	\$ 13,249.60
	\$ 5,031.20	\$ 5,282.40	\$ 5,546.40	\$ 5,824.00	\$ 6,115.20
	\$ 62.89	\$ 66.03	\$ 69.33	\$ 72.80	\$ 76.44
85	\$ 133,993.60	\$ 140,691.20	\$ 147,721.60	\$ 155,126.40	\$ 162,864.00
	\$ 11,166.13	\$ 11,724.27	\$ 12,310.13	\$ 12,927.20	\$ 13,572.00
	\$ 5,153.60	\$ 5,411.20	\$ 5,681.60	\$ 5,966.40	\$ 6,264.00
	\$ 64.42	\$ 67.64	\$ 71.02	\$ 74.58	\$ 78.30
86	\$ 137,342.40	\$ 144,206.40	\$ 151,424.00	\$ 158,995.20	\$ 166,940.80
	\$ 11,445.20	\$ 12,017.20	\$ 12,618.67	\$ 13,249.60	\$ 13,911.73
	\$ 5,282.40	\$ 5,546.40	\$ 5,824.00	\$ 6,115.20	\$ 6,420.80
	\$ 66.03	\$ 69.33	\$ 72.80	\$ 76.44	\$ 80.26
87	\$ 140,691.20	\$ 147,721.60	\$ 155,126.40	\$ 162,864.00	\$ 171,017.60
	\$ 11,724.27	\$ 12,310.13	\$ 12,927.20	\$ 13,572.00	\$ 14,251.47
	\$ 5,411.20	\$ 5,681.60	\$ 5,966.40	\$ 6,264.00	\$ 6,577.60
	\$ 67.64	\$ 71.02	\$ 74.58	\$ 78.30	\$ 82.22
88	\$ 144,206.40	\$ 151,424.00	\$ 158,995.20	\$ 166,940.80	\$ 175,281.60
	\$ 12,017.20	\$ 12,618.67	\$ 13,249.60	\$ 13,911.73	\$ 14,606.80
	\$ 5,546.40	\$ 5,824.00	\$ 6,115.20	\$ 6,420.80	\$ 6,741.60
	\$ 69.33	\$ 72.80	\$ 76.44	\$ 80.26	\$ 84.27
89	\$ 147,721.60	\$ 155,126.40	\$ 162,864.00	\$ 171,017.60	\$ 179,566.40
	\$ 12,310.13	\$ 12,927.20	\$ 13,572.00	\$ 14,251.47	\$ 14,963.87
	\$ 5,681.60	\$ 5,966.40	\$ 6,264.00	\$ 6,577.60	\$ 6,906.40
	\$ 71.02	\$ 74.58	\$ 78.30	\$ 82.22	\$ 86.33
90	\$ 151,424.00	\$ 158,995.20	\$ 166,940.80	\$ 175,281.60	\$ 184,059.20
	\$ 12,618.67	\$ 13,249.60	\$ 13,911.73	\$ 14,606.80	\$ 15,338.27
	\$ 5,824.00	\$ 6,115.20	\$ 6,420.80	\$ 6,741.60	\$ 7,079.20
	\$ 72.80	\$ 76.44	\$ 80.26	\$ 84.27	\$ 88.49

ELK GROVE WATER DISTRICT

General Manager Salary

Annual, Monthly, Bi-Weekly & Hourly Wage

As of July 1, 2017

General Manager	
GM	\$ 192,521
	\$ 16,043
	\$ 7,405
	\$ 92.56

Elk Grove Water District -- FY 2017-18 Budget

Description		FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Y-T-D - 3-31-17	FY 16-17 Projected	Ops 500	Tech Services 560	GM 610	HR 620	PM 640	Finance 650	Admin 700	FY 2017-18 Budget	Difference	Account	Description
Revenues																				
4100	Water Payment Revenues - Residential	\$11,954,401	\$11,760,577	\$11,166,355	\$11,248,017	\$11,235,110	\$11,901,105	\$ 9,008,494	\$ 12,093,297	1.61%						12,259,300	\$12,259,300	\$38,195	4100	Water Payment Revenues - Residential
4110	Water Payment Revenues - Commercial	1,776,201	1,917,358	1,715,300	1,590,139	1,700,718	1,457,765	\$ 1,249,445	\$ 1,677,295	15.06%						1,595,247	\$1,595,247	\$137,482	4110	Water Payment Revenues - Commercial
4120	Water Payment Revenues - Fire Service	395,880	368,007	262,293	126,084	134,672	133,094	\$ 142,627	\$ 191,467	43.86%						198,550	\$198,550	\$65,456	4120	Water Payment Revenues - Fire Service
4200	Meter Fees/Plan Check/Water Capacity	64,267	101,020	68,128	29,346	197,091	30,000	\$ 57,039	\$ 76,572	155.24%						30,000	\$30,000	-	4200	Meter Fees/Plan Check/Water Capacity
4300	Backflow Install:Fin-EGWS	-	-	14,138	70,456	47,107	50,000	\$ 19,926	\$ 26,749	-46.50%						25,000	\$25,000	(\$2,000)	4300	Backflow Install:Fin-EGWS
4520	Door Hanger Fees	129,488	116,675	121,300	121,950	109,275	112,000	\$ 93,600	\$ 125,652	12.19%						120,000	\$120,000	\$8,000	4520	Door Hanger Fees
4540	New account Fees	31,250	27,750	28,530	24,330	23,700	24,000	\$ 20,460	\$ 27,466	14.44%						25,000	\$25,000	\$1,000	4540	New account Fees
4550	NSF Fees	2,115	2,192	3,465	2,975	2,520	2,500	\$ 2,450	\$ 3,289	31.56%						3,000	\$3,000	\$500	4550	NSF Fees
4570	Shut-off Fees	-	67,372	60,400	60,400	42,850	45,000	\$ 38,025	\$ 51,046	13.44%						50,000	\$50,000	\$5,000	4570	Shut-off Fees
4580	Restoration Fees	80,325	76,078	225	100	200	-	\$ -	\$ -	-						-	\$0	-	4580	Restoration Fees
4590	Credit Card Fees	7,103	7,286	7,470	5,505	8,009	8,000	\$ 6,220	\$ 8,350	4.37%						8,000	\$8,000	-	4590	Credit Card Fees
4900	Customer Refunds	(20,241)	(65,835)	(21,205)	(93,464)	(26,083)	(50,000)	\$ (14,033)	\$ (18,839)	-62.32%						(20,000)	(\$20,000)	\$30,000	4900	Customer Refunds
4700	Rental Income	0	1,684	1,823	-	-	-	\$ -	\$ -	-						-	\$0	-	4700	Rental Income
TOTAL GROSS REVENUES		14,420,789	14,312,791	13,435,194	13,185,839	13,475,169	13,713,464	10,624,253	14,262,344	4.00%	\$0	\$0	\$0	\$0	\$0	\$14,294,096	\$14,294,096	\$80,632	4.32%	TOTAL GROSS REVENUES

Expenditures

Description		FY 11-12 Actual	FY 12-13 Actual	FY 13-14 Actual	FY 14-15 Actual	FY 15-16 Actual	FY 16-17 Budget	FY 16-17 Y-T-D - 3-31-17	FY 16-17 Projected	Ops 500	Tech Services 560	GM 610	HR 620	PM 640	Finance 650	Admin 700	FY 2017-18 Budget	Difference	Account	Description	
1. Direct Expenses																					
5100	Executive Salary	\$134,714	\$131,051	\$150,220	\$153,097	\$162,686	\$189,122	129,148	\$ 172,197	-8.95%		\$195,226					195,226	\$6,104	3.23%	5100	Executive Salary
5110	Exempt Salaries	349,115	409,641	490,178	476,125	486,577	605,166	379,944	\$ 506,592	-16.29%			99,469	82,494	224,569		524,199	(\$80,967)	-13.38%	5110	Exempt Salaries
5120	Non-Exempt Salaries	1,060,334	1,068,747	984,040	1,183,188	1,093,622	1,471,750	1,043,591	\$ 1,391,455	-5.46%	\$1,221,282	103,430	48,553	195,799			1,469,064	(\$2,688)	-0.18%	5120	Non-Exempt Salaries
5130	Overtime Compensation	57,899	65,813	43,062	45,062	44,308	31,639	\$ 42,185	\$ 56,300	-25.07%	51,000	2,500	1,000				56,300	\$0	0.00%	5130	Overtime Compensation
5140	On Call Pay	12,028	18,620	18,320	18,270	18,326	18,250	13,800	\$ 18,400	0.82%	18,250						18,250	\$0	0.00%	5140	On Call Pay
5150	Holiday Pay	76,061	79,833	81,914	88,233	84,992	117,743	93,268	\$ 103,929	-11.73%	66,672	13,195		8,758	4,877	24,982	118,483	\$740	0.63%	5150	Holiday Pay
5160	Vacation Pay	84,402	90,775	118,645	109,284	127,130	115,933	104,216	\$ 138,954	19.86%	68,027	11,153		11,706	3,251	27,322	121,459	\$5,266	4.77%	5160	Vacation Pay
5170	Personal Time Pay	74,269	79,814	74,870	79,245	77,581	80,944	75,540	\$ 97,540	20.50%	53,338	10,556		7,007	3,901	19,985	94,787	\$13,843	17.10%	5170	Personal Time Pay
5180	Internship Program	-	-	-	-	-	-	-	\$ -	-		15,000					15,000	\$15,000	100.00%	5180	Internship Program
5200	Medical Benefits	411,486	414,536	372,689	499,325	527,568	700,370	501,674	\$ 668,899	-4.49%	405,782	52,885	27,167	46,768	19,601	168,041	720,244	\$19,874	2.84%	5200	Medical Benefits
5195	EAP	1,158	1,267	883	820	842	960	684	\$ 912	-5.02%	557	93	31	62	31	186	960	(\$0)	0.00%	5195	EAP
5201	EGWD Contribution H.S.A	-	-	-	-	10,400	-	13,149	\$ 13,149	100.00%				15,000			15,000	\$15,000	100.00%	5201	EGWD Contribution H.S.A
5210	Dental/Vision/Life Insurance	42,549	45,789	41,289	50,983	48,672	67,997	45,922	\$ 61,229	-9.95%	36,805	7,343	2,358	4,011	1,325	12,623	64,665	(\$3,322)	-4.90%	5210	Dental/Vision/Life Insurance
5220	Retirement Benefits	290,592	293,259	260,687	273,439	261,030	374,713	253,130	\$ 337,507	-9.93%	193,764	37,139	29,483	24,422	14,383	72,771	371,962	(\$7,751)	-0.73%	5220	Retirement Benefits
5225	Retirement Benefits - Post Employment	89,756	93,686	68,355	73,169	93,767	103,362	19,030	\$ 103,362	0.00%						92,760	92,760	(\$10,602)	-10.26%	5225	Retirement Benefits - Post Employment
5230	Medical Tax, Social Security and SUI	46,217	40,093	44,123	45,161	44,123	62,072	40,620	\$ 54,160	-12.75%	33,991	6,247	3,646	4,154	2,216	12,100	62,353	\$281	0.45%	5230	Medical Tax, Social Security and SUI
5240	Worker's Compensation Insurance	52,371	52,924	55,314	78,504	86,261	112,612	65,815	\$ 112,612	0.00%	94,973	4,287	14,239	2,353	1,310	6,711	123,873	\$11,261	10.00%	5240	Worker's Compensation Insurance
5250	Education Assistance	12,040	-	1,290	4,687	9,069	12,315	16,420	\$ 16,420	82.44%	4,000	-	-	-	-	7,300	11,300	\$2,300	25.56%	5250	Education Assistance
5260	Employee Training	21,532	13,992	21,896	15,103	9,760	28,250	1,475	\$ 1,967	-93.04%	22,640	3,000		1,000	2,000	1,000	29,640	\$1,390	4.92%	5260	Employee Training
5270	Employee Recognition	254	409	910	1,498	1,886	3,020	1,997	\$ 1,997	-33.86%	1,000	500		1,500	420		2,520	(\$500)	-16.56%	5270	Employee Recognition
5280	Meetings	998	376	203	286	415	1,480	167	\$ 223	-84.93%	180	300	400	150		100	1,130	(\$350)	-23.65%	5280	Meetings
Category Subtotal		\$2,817,775	\$2,900,424	\$2,829,645	\$3,196,675	\$3,189,015	\$4,119,044	\$2,826,241	\$3,843,689	-6.68%	\$2,171,261	\$370,093	\$288,050	\$275,912	\$135,811	\$775,290	\$92,760	\$4,109,177	(\$9,867)	-0.24%	Category Subtotal
Seminars, Conventions and Travel																					
5300-20	Airfare	\$ 199	\$ 1,317	\$ 318	\$ 3,035	\$ 2,273	\$ 4,700	1,863	\$ 2,484	-47.14%	400	750	\$900	50	450	\$1,600	4,100	(\$600)	-12.77%	5300-20	Airfare
5310-20	Hotels	2,048	5,000	6,318	11,836	6,024	10,700	4,518	\$ 6,024	-43.70%	1,500	2,200	2,800	1,100	3,200		11,800	\$1,100	10.28%	5310-20	Hotels
5320-20	Meals	2,083	2,046	2,371	4,109	6,477	6,200	2,786	\$ 3,715	-40.08%	1,150	500	2,260	800	620	400	5,730	(\$470)	-7.58%	5320-20	Meals
5330-20	Auto Rental	251	372	131	336	1,488	2,600	-	\$ -	-100.00%	300	500	500	-	-	600	1,900	(\$700)	-26.92%	5330-20	Auto Rental
5340-20	Seminars & Conferences	1,881	5,503	3,160	6,630	8,540	9,100	5,786	\$ 7,715	-15.22%	1,200	3,000	1,500	2,700	1,400	1,600	11,400	\$2,300	25.27%	5340-20	Seminars & Conferences
5345-20	Seminars & Conferences - Board	-	95	1,435	-	-	3,820	1,108	\$ 1,478	-61.32%	7,820						7,820	\$4,000	104.71%	5345-20	Seminars & Conferences - Board
5350-20	Mileage Reimbursement, Parking, Tolls	530	586	1,395	1,391	1,680	1,450	850	\$ 1,133	-21.88%	200	200		300	450	600	1,750	\$300	20.69%	5350-20	Mileage Reimbursement, Parking, Tolls
5375-20	Auto/Telephone Allowance	4,800	5,166	4,840	4,840	4,880	6,000	4,500	\$ 6,000	0.00%			6,000				6,000	\$0	0.00%	5375-20	Auto/Telephone Allowance
Category Subtotal		\$11,791	\$18,483	\$18,650	\$26,659	\$37,174	\$44,570	\$21,412	\$28,549	-35.95%	\$4,250	\$6,450	\$21,180	\$6,600	\$4,020	\$8,000	\$0	\$50,500	\$5,930	13.30%	Category Subtotal
Office & Operational																					
5410	Advertising	\$ 5,321	\$ 3,203	\$ 3,754	\$ 11,239	\$ 8,129	\$ 35,500	4,390	\$ 5,853	-83.51%			\$3,000	\$2,000			5,000	(\$3,500)	-85.92%	5410	Advertising
5415	Association Dues	41,717	53,716	53,823	61,518	66,881	97,552	77,585	\$ 103,447	6.04%	1,120				750	97,242	99,112	\$1,560	1.60%	5415	Association Dues
5420	Insurance	74,105	83,098	68,865	76,462	74,280	79,900	107,725	\$ 107,725	34.82%							87,890	\$7,990	10.00%	5420	Insurance
5425	Licenses, Certifications, Fees	32,607	1																		

Account	Description	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 16-17	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2017-18	Difference	Account	Description	
		Actual	Actual	Actual	Actual	Actual	Budget	Y-T-D - 3-31-17	Projected	500	560	610	620	640	650	700	Budget				
5570	Security	50,312	31,682	26,412	30,706	7,857	23,700	7,131	9,509	-59.88%	15,000					8,700	23,700	0	5570	Security	
5575	Sampling	22,279	16,256	23,858	35,513	18,549	35,000	22,522	30,029	-14.20%	35,000						35,000	0	5575	Sampling	
5580	Board Secretary/Treasurer	3,250	3,150	3,025	3,025	1,800	-	-	-								-	0	5580	Board Secretary/Treasurer	
	Category Subtotal	\$861,157	\$595,834	\$482,614	\$753,921	\$690,072	\$853,800	\$396,098	\$543,493	-36.34%	\$70,000	\$75,000	\$211,200	\$38,090	\$60,000	\$282,800	\$159,020	896,110	42,310		4.96%
	Equipment Rent, Taxes and Utilities																				
5610	Occupancy		-\$9,367		\$0														5610	Occupancy	
5620	Equipment Rental	19,504	37,552	\$38,047	\$16,392	\$13,493	\$22,000	16,368	21,824	-0.80%	\$10,000					\$12,000	22,000	0	5620	Equipment Rental	
5710	Property Taxes	1,419	3,464	3,992	4,701	1,328	1,500	1,299	1,732	15.48%						1,500	1,500	0	5710	Property Taxes	
5720	Water		1,087														0	0	5720	Water	
5740	Electricity	378,293	359,504	333,039	295,131	284,865	334,814	216,691	288,921	-13.71%	350,000					9,000	359,000	24,186	5740	Electricity	
5750	Natural Gas	282	286	437	416	425	600	526	701	16.92%						600	600	(0)	5750	Natural Gas	
5760	Sewer & Garbage	16,277	24,138	19,273	22,950	17,368	25,900	14,574	19,431	-24.98%	20,000					5,900	25,900	(0)	5760	Sewer & Garbage	
	Category Subtotal	\$415,775	\$416,662	\$394,788	\$339,590	\$317,479	\$384,814	\$249,458	\$332,610	-13.57%	\$380,000	\$0	\$0	\$0	\$0	\$29,000	408,999	24,185		6.28%	
	Gross O&M Expenses	\$4,907,419	\$7,184,542	\$7,168,688	\$7,930,833	\$7,358,131	\$9,370,550	\$6,297,498	\$8,451,487	-9.81%	\$6,200,475	\$486,243	\$520,430	\$327,402	\$239,431	\$1,118,389	\$568,062	9,460,432	89,882		0.96%
	Less: Capitalized Expenditures	-	-	(538,181)	(470,098)	(509,238)	(528,352)	(154,205)	(205,607)	-61.09%	0	0	0	0	0	0	(560,829)	(32,477)		6.15%	
	Net O&M Expenses	\$4,907,419	\$7,184,542	\$6,630,507	\$7,460,735	\$6,848,893	\$8,842,198	\$6,143,293	\$8,245,881	-6.74%	\$6,200,475	\$486,243	\$520,430	\$327,402	\$239,431	\$1,118,389	\$568,062	\$8,899,602	57,404		0.65%
	Net Revenues	\$ 9,513,371	\$ 7,128,249	\$ 6,804,687	\$ 5,725,104	\$ 6,626,276	\$ 4,871,266	\$ 4,480,959	\$ 6,016,464	23.51%							\$5,394,494	523,228		10.74%	Net Revenues

2. Capital Improvement Funding

Account	Description	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 16-17	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2017-18	Difference	Account	Description
		Actual	Actual	Actual	Actual	Actual	Budget	Y-T-D - 3-31-17	Projected	500	560	610	620	640	650	700	Budget			
1730	Meters						\$0										0	0	1730	Meters
1745	Transportation Equipment						\$0										0	0	1745	Transportation Equipment
1760/1765	Capital Equipment & Expenditures			96,290													0	0	1760/1765	Capital Equipment & Expenditures
1705	Non-Project Capital Expenses			35,000													0	0	1705	Non-Project Capital Expenses
3560	Repair & Replacement Reserve					851,472	731,000	548,250	731,000							700,000	700,000	(31,000)	3560	Repair & Replacement Reserve
3565	Long-Term Capital Improvement Reserve					698,528	969,000	726,750	969,000							1,000,000	1,000,000	31,000	3565	Long-Term Capital Improvement Reserve
	Contribution to Reserves																	0		Contribution to Reserves
	TOTAL CAPITALIZED EXPENSES	\$0	\$0	\$131,290	\$0	\$1,550,000	\$1,700,000	\$1,275,000	\$1,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700,000	1,700,000	0		0.00%

2. Capital Improvement Funding

Account	Description	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 16-17	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2017-18	Difference	Account	Description
		Actual	Actual	Actual	Actual	Actual	Budget	Y-T-D - 3-31-17	Projected	500	560	610	620	640	650	700	Budget			
1730	Meters						\$0										0	0	1730	Meters
1745	Transportation Equipment						\$0										0	0	1745	Transportation Equipment
1760/1765	Capital Equipment & Expenditures			96,290													0	0	1760/1765	Capital Equipment & Expenditures
1705	Non-Project Capital Expenses			35,000													0	0	1705	Non-Project Capital Expenses
3560	Repair & Replacement Reserve					851,472	731,000	548,250	731,000							700,000	700,000	(31,000)	3560	Repair & Replacement Reserve
3565	Long-Term Capital Improvement Reserve					698,528	969,000	726,750	969,000							1,000,000	1,000,000	31,000	3565	Long-Term Capital Improvement Reserve
	Contribution to Reserves																	0		Contribution to Reserves
	TOTAL CAPITALIZED EXPENSES	\$0	\$0	\$131,290	\$0	\$1,550,000	\$1,700,000	\$1,275,000	\$1,700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700,000	1,700,000	0		0.00%

3. Nonoperating Revenue / (Expenses)

Account	Description	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 16-17	FY 16-17	Ops	Tech Services	GM	HR	PM	Finance	Admin	FY 2017-18	Difference	Account	Description	
		Actual	Actual	Actual	Actual	Actual	Budget	Y-T-D - 3-31-17	Projected	500	560	610	620	640	650	700	Budget				
6440	Depreciation	\$1,705,720	\$1,687,331	\$2,054,712	\$1,696,678	\$0	-	-	-								0	0	6440	Depreciation	
6450	Amortization	(6,273)	(5,279)														0	0	6450	Amortization	
7300	Debt Service (Bond Interest Expense)	2,664,091	2,624,774	2,580,129	2,289,556	2,225,240	1,757,900	1,757,900	1,757,900	0.00%						1,833,349	1,833,349	75,449	7300	Debt Service (Bond Interest Expense)	
7310	Discount Amortization Expense	28,344	28,344	28,229													0	0	7310	Discount Amortization Expense	
7320	Offering Expense - Deferred Charges	103,476		103,476	471,504												0	0	7320	Offering Expense - Deferred Charges	
7330	Amortization	107,964	26,990														0	0	7330	Amortization	
7400	Interest Paid	62,716	59,381	55,649													0	0	7400	Interest Paid	
2470	9257 Elk Grove Blvd. Note	52,122	55,606	59,337													0	0	2470	9257 Elk Grove Blvd. Note	
2500	Bond Retirement	1,005,000	1,080,000	1,175,000		1,430,000	1,440,000	1,440,000	1,440,000	0.00%						1,990,000	1,990,000	550,000	2500	Bond Retirement	
9910	Interest Earned	(21,812)	(20,886)	(18,188)	(19,970)	(20,000)	(100,000)	(89,155)	(118,873)	18.87%						(110,000)	(110,000)	(10,000)	9910	Interest Earned	
9920	Other Income	(474,738)	(52,452)	(22,304)	(318,569)		(26,566)	222,140		-100.00%						(14,900)	(14,900)	11,666	9920	Other Income	
3500	Contribution from Operating Reserves					(74,671)												0	3500	Contribution from Operating Reserves	
9920-73	Other Expenses (Toilet Program Costs, Other Income)	1,945	1,659					14,989	14,989									0	9920-73	Other Expenses (Toilet Program Costs, Other Inc	
9950	Election Costs		1,660		103,700		108,000	126,527	126,527	17.15%								(108,000)	9950	Election Costs	
9970	Rebate Program																	0	9970	Rebate Program	
	TOTAL OTHER EXPENSES	\$5,228,555	\$5,486,827	\$6,016,040	\$4,222,899	\$3,560,569	\$3,179,334	\$3,472,401	\$3,220,544	1.30%	\$0	\$0	\$0	\$0	\$0	\$3,698,449	\$3,698,449	519,115		16.33%	
	TOTAL EXPENDITURES	\$10,135,973	\$12,671,369	\$12,777,837	\$11,683,634	\$11,959,462	\$13,721,532	\$10,890,695	\$13,166,424	-4.05%	\$6,200,475	\$486,243	\$520,430	\$327,402	\$239,431	\$1,118,389	\$5,966,510	\$14,298,051	576,519		4.20%
	DISTRICT REVENUES IN EXCESS OF EXPENDITURES	\$4,284,816	\$1,641,422	\$657,357	\$1,502,205	\$1,515,707	-\$8,068	-\$266,442	\$1,095,920								(\$3,955)	\$4,113		DISTRICT REVENUES IN EXCESS OF EX	

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Jim Malberg, Finance Manager / Treasurer
SUBJECT: **INVESTMENT POLICY GUIDELINES FISCAL YEAR 2017-18**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors adopt Resolution No. 06.21.17.04, approving the Fiscal Year 2017-18 Investment Policy Guidelines of the Florin Resource Conservation District.

Summary

By this action, the Board will approve the Fiscal Year 2017-18 Investment Policy Guidelines (Attachment 1).

DISCUSSION

Background

State of California Government Code section 53600 et. seq., states that the authority to invest District funds is expressly delegated to the Board of Directors for subsequent re-delegation to the District Treasurer for a period of up to one year. Subject to review, the Board may renew the delegation of authority each year.

Present Situation

Investment Policy Guidelines Fiscal Year 2017-18 is an annual adoption of the Florin Resource Conservation District's Investment Policy. California Government Code sections 53600 – 53610 establishes the guidelines for the investment of public funds including the types of allowable investments and maximum amounts of each type of investment. Staff is not recommending any changes to the Investment Policy Guidelines at this time.

INVESTMENT POLICY GUIDELINES FISCAL YEAR 2017-18

Page 2

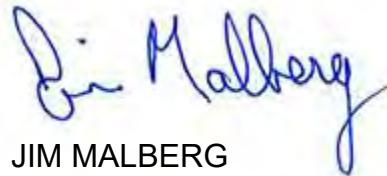
STRATEGIC PLAN CONFORMITY

This item conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. Annual adoption of the Investment Policy Guidelines is in line with the financial stability and best business practices of the financial stability challenge section of the Strategic Plan.

FINANCIAL SUMMARY

There is no direct financial impact associated with this item.

Respectfully Submitted,



JIM MALBERG
FINANCE MANAGER / TREASURER

Attachments

RESOLUTION NO. 06.21.17.04

RESOLUTION OF THE FLORIN RESOURCE CONSERVATION DISTRICT BOARD OF DIRECTORS ADOPTING THE FISCAL YEAR 2017-18 INVESTMENT POLICY GUIDELINES OF THE FLORIN RESOURCE CONSERVATION DISTRICT

WHEREAS, the Board of Directors adopted the **Investment Policy Guidelines of the Florin Resource Conservation District (FY 2016-17)** (“Investment Policy Guidelines”) on June 22, 2016, to guide the Florin Resource Conservation District (“District”), General Manager, Finance Manager, and District staff regarding District investments; and

WHEREAS, paragraph R of the Investment Policy Guidelines provides that the District shall adopt the Guidelines by resolution annually; and

WHEREAS, the Board of Directors wishes to re-adopt the Investment Policy Guidelines for the Fiscal Year (FY) 2017-18.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the District, as follows:

Section 1. Investments shall be made in accordance with the **Investment Policy Guidelines of the Florin Resource Conservation District (FY 2017-18)** attached hereto as Exhibit “A,” and made a part hereof.

Section 2. The policies adopted by this resolution are in addition to and supplement any other legal requirements.

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 21st day of June, 2017.

**AYES:
NOES:
ABSENT:
ABSTAIN:**

Tom Nelson
Chairperson of the Board of Directors

ATTEST:

Stefani Phillips
Secretary to the Board of Directors



**Investment Policy Guidelines
of the
Florin Resource Conservation District**

FY 2017-18

Investment Policy Guidelines - FY 2017-18
Florin Resource Conservation District

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A. Investment Authority

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.

B. Delegation of Authority

Management responsibility for the investment program is hereby delegated, pursuant to Section 53607 of the Government Code, to the Finance Manager/District Treasurer, who shall establish written procedures for the operation of the investment program consistent with this investment policy. This responsibility includes authority to select Brokers, establish safekeeping accounts, enter into wire transfer agreements, banking service contracts, and collateral/depository agreements. The Finance Manager/Treasurer shall be responsible for all transactions undertaken and shall establish a system of controls to regulate the activities of subordinate officials. This delegation shall be for no greater than one year and may be revoked at any time, or, upon review, renewed each year.

C. Policy

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

D. Scope

This investment policy applies to all surplus financial assets of the District. These funds are accounted in the monthly financial reports and the comprehensive annual financial report of District financial activities.

E. Prudence

The standard of prudence to be used by investment officials in the management of District funds shall be the “prudent investor” standard which shall be applied in the context of managing all aspects of the overall portfolio. Investments shall be made with the care, skill, prudence and diligence, under circumstances then prevailing, including the general economic conditions and the anticipated needs of the District, which persons of prudence, discretion and intelligence acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the District.

It is the District’s intent, at the time of purchase, to hold all investments until maturity. However, investments may be sold prior to maturity for cash flow purposes or to take advantage of principal appreciation.

F. Objective

The primary objectives, in priority order, of the District’s investment activities shall be:

1. **Safety:** Safety of principal is the foremost objective of the investment program. Investments of the District shall be undertaken in a manner that seeks to ensure the preservation of capital in the overall portfolio.

2. **Liquidity:** The District's investment portfolio will remain sufficiently liquid to enable the District to meet all operating requirements which might be reasonably anticipated.
3. **Return on Investments:** The District's investment portfolio shall be designed with the objective of attaining a rate of return commensurate with the District's investment risk constraints and the cash flow characteristics of the portfolio.

G. Ethics and Conflicts of Interest

Officers and employees involved in the investment process shall refrain from personal business activity that conflicts with proper execution of the investment program, or impairs their ability to make impartial investment decisions. Additionally, the Finance Manager/Director Treasurer is required to annually file applicable financial disclosures as required by the Fair Political Practices Commission (FPPC) and/or the District's Conflict of Interest Code.

H. Authorized Financial Dealers and Institutions

The District shall transact business only with banks, associations, and with broker/dealers licensed by the State of California. The broker/dealers should be primary government dealers regularly reporting to the New York Federal Reserve Bank. The Finance Manager/District Treasurer shall annually send a copy of the current investment policy to all broker/dealers approved to do business with the District. Confirmation of receipt of this policy shall be considered evidence that the dealer understands the District's investment policies and intends to sell the District only appropriate investments authorized by this investment policy.

I. Authorized and Suitable Investments

All investment vehicles allowed by Sections 53601 of the California Government Code may be used by the Florin Resource Conservation District.

GOVERNMENT AGENCY ISSUES: As authorized in Government Code Sections 53601 (a) through (f), this category includes a wide variety of government securities. There are no special portfolio limitations on the amount that may be invested in these securities, as follows:

1. California local government agency bonds, notes, warrants or other indebtedness;
2. California State warrants, notes, bonds or other indebtedness;
3. Bonds issued by the Florin Resource Conservation District;
4. U.S. Treasury notes, bonds, bills or other certificates of indebtedness secured by the full faith and credit of the federal government;
5. Federal agency or United States government-sponsored enterprise obligations, participations, or other instruments, including those issued by or fully guaranteed as to principal and interest by federal agencies or United States government-sponsored enterprises.

BANKERS ACCEPTANCES: As provided in Government Code Section 53601 (g), up to 40% of the District's surplus funds may be invested in Bankers Acceptances [that are eligible for purchase by the Federal Reserve System], although no more than 30% of the surplus funds may be invested in Bankers Acceptances of any one commercial bank. Additionally, the maturity period of any Bankers Acceptance shall not exceed 180 days.

Investment Policy Guidelines - FY 2017-18
Florin Resource Conservation District

COMMERCIAL PAPER: As authorized in Government Code Section 53601 (h), up to 25% of the District's surplus funds may be invested in "prime" commercial paper of quality of the highest ranking or of the highest letter and number rating provided by a nationally recognized statistical-rating organization (NRSRO). Issuing corporation must meet all of the following conditions in either paragraph (1) or paragraph (2):

- (1) The entity meets the following criteria:
 - (A) Is organized and operating in the United States as a general corporation.
 - (B) Has total assets in excess of five hundred million dollars (\$500,000,000).
 - (C) Has debt other than commercial paper, if any, that is rated "A" or higher by a nationally recognized statistical-rating organization (NRSRO).
- (2) The entity meets the following criteria:
 - (A) Is organized within the United States as a special purpose corporation, trust, or limited liability company.
 - (B) Has program-wide credit enhancements including, but not limited to, overcollateralization, letters of credit, or surety bond.
 - (C) Has commercial paper that is rated "A-1" or higher, or the equivalent, by a nationally recognized statistical-rating organization (NRSRO).

District shall not purchase more than 10% of the outstanding commercial paper of any one issuer. Maturities may not exceed 270 days.

NEGOTIABLE CERTIFICATES OF DEPOSIT OR BONDS: As authorized in Government Code Section 53601 (i), up to 30% of District's surplus funds may be invested in negotiable certificates of deposit issued by nationally or state-chartered commercial banks, federally insured credit unions, or the state licensed branch of a foreign bank. There is no limitation on the maturity period for this investment vehicle except for the overall investment constraints.

REPURCHASE AGREEMENTS, REVERSE REPURCHASE AGREEMENTS, OR SECURITIES LENDING AGREEMENTS: As authorized in Government Code Section 53601 (j), District may invest in repurchase agreements, reverse repurchase agreements, or securities lending agreements of any securities authorized in Government Code Section 53601 (a) to (k) or (n) or (o) provided that a master repurchase agreement that complies with the Bond Market Association (TBMA) Model has been executed with the contra-party. These investment vehicles are agreements between the District and the seller for the purchase of government securities to be resold on or before a specified date and for a specified amount. The market value of the securities that underlay the repurchase agreement shall be valued at 102% or greater of the funds borrowed against those securities, adjusted no less than quarterly. As provided in Government Code Section 53601(j)(5), investing in reverse repurchase agreements or securities lending agreements may only be made upon prior approval of the Board of Directors. The proceeds from a reverse repurchase agreement shall solely supplement the income normally received from the underlying securities.

Also:

1. The maturity of the reverse repurchase agreement must match the maturity of the securities purchased with the proceeds from the sale of the securities on the reverse repurchase agreement, and shall not exceed a term of 92 days, unless the agreement includes a written codicil guaranteeing a minimum earning or spread

Investment Policy Guidelines - FY 2017-18
Florin Resource Conservation District

for the entire period between the sale of a security using a reverse repurchase agreement and the final maturity date of the same security.

2. The total amount invested in reverse repurchase agreements shall not exceed 20% of the base value of the portfolio.
3. The securities to be sold on the reverse repurchase agreement or securities lending agreement must be owned and fully paid for by the District for a minimum of 30 days prior to the settlement of the reverse repurchase agreement.
4. Repurchase agreements, reverse repurchase agreements, or securities lending agreements may only be made with primary dealers of the Federal Reserve Bank of New York.

The Board of Directors specifically authorizes the Finance Manager/District Treasurer to enter into reverse repurchase agreements or securities lending agreements pursuant to the limitations described herein.

MEDIUM-TERM CORPORATE NOTES: As authorized in Government Code Section 53601 (k), up to 30% of District's surplus funds may be invested in medium term corporate notes. Maturities may not exceed five years. The issuing corporation must be organized and operating within the U.S. and must be rated "A" or better by a nationally recognized rating service.

SHARES OF BENEFICIAL INTEREST: As authorized by Government Code Section 53601 (l), up to 20% of District's surplus funds may be invested in shares of beneficial interest issued by diversified management companies investing in securities authorized by Government Code Section 53601 (a) to (k), inclusive or (n) or (o), and shares of beneficial interest issued by diversified management companies that are money market funds registered with the Securities and Exchange Commission under the investment company act of 1940.

If the investment is in shares by a company that invests in securities and obligations authorized by subdivisions (a) to (k), inclusive or subdivisions (n) or (o), the company must have attained the highest ranking or the highest letter and numerical rating provided by two nationally recognized statistical rating organizations or retain an investment advisor registered or exempt from registration with the Securities and Exchange Commission with at least five (5) years investing the securities authorized by subdivisions (a) to (k), inclusive, or (n) or (o) or experience managing money market mutual funds and with assets under management in excess of five hundred million dollars (\$500,000,000.00).

The purchase price of shares shall not include any commission and no more than 10% of the surplus funds may be invested in shares of any one mutual fund.

MORTGAGE PASS-THROUGH SECURITIES: As authorized in Government Code Section 53601 (o) up to 20% of the District's surplus funds may be invested in mortgage pass-through securities, collateralized mortgage obligations, mortgage-backed or other pay-through bonds, equipment lease-backed certificates, consumer receivable pass-through certificates, or consumer receivable-backed bonds of a maximum of five years maturity.

Securities eligible for investment under this provision shall be issued by an issuer having an "A" or higher rating for the issuer's debt as provided by a nationally recognized rating service and rated in a rating category of "AA" or its equivalent or better by a nationally recognized rating service.

FINANCIAL FUTURES AND FINANCIAL OPTION CONTRACTS: As permitted in Government Code Section 53601.1, District may invest in financial futures or financial option contracts in any of the above investment categories, subject to the same overall portfolio limitations.

TIME CERTIFICATES OF DEPOSIT: As authorized in Government Code Sections 53601.8 and 53630 and following, up to 30% of the District's surplus funds may invested funds in non-negotiable, fixed-term Certificates of Deposit collateralized in accordance with the Government Code requirements. In order to secure such deposits, an institution shall maintain in the collateral pool securities having a market value of at least 10% in excess of the total amount deposited (50% in excess of the total amount of deposits secured by promissory notes secured by first mortgages and first trust deeds). District is permitted to waive the first \$100,000 of collateral security for such deposits if the institution is insured pursuant to federal law. There are no special portfolio limits on the amount or maturity for this investment vehicle. TCDs may be purchased from banks, associations, federally insured credit unions, and federally insured industrial loan companies which meet the requirements set forth in the Government Code.

LAIF: Deposits with the Local Agency Investment Fund, which is managed by the California State Treasurer's Office, are also permitted. This investing is authorized by Government Code Section 16429.1. The District is a current participant in this fund.

J. Prohibited Investments

The District shall not invest any funds, pursuant to Government Code 53601.6 or pursuant to Article 2 (commencing with Section 53630), in inverse floaters, range notes, mortgage-derived, or interest-only strips that are derived from a pool of mortgages. Nor shall the District invest in any security that could result in zero interest accrual if held to maturity.

K. Investment Pools

The Treasurer shall have a thorough understanding of the operational areas listed below for each pool and/or fund prior to investing, and on a continual basis.

- A description of eligible investment securities, and a written statement of investment policy and objectives.
- A description of interest calculations and how interest is distributed, and how gains and losses are treated.
- A description of how the securities are safeguarded (including the settlement processes), and how often the securities are priced and the program is audited.
- A description of who may invest in the program, how often, and the permissible size of deposit and withdrawal.
- A schedule for receiving statements and portfolio listings.
- Whether reserves, retained earnings, etc. are utilized by the pool/fund.
- A fee schedule, and when and how it is assessed.
- Whether the pool/fund is eligible for bond proceeds and/or whether it will accept such proceeds.

L. Safekeeping and Custody

To protect against fraud or embezzlement or losses caused by collapse of an individual securities dealer, all securities owned by the District shall be held in safekeeping by a third party custodian, acting as agent for the District under the terms of a custody agreement or TBMA agreement

executed by the Finance Manager/District Treasurer. All security transactions will settle delivery vs. payment (DVP) through the District's safekeeping agent. Securities purchased from brokers/dealers shall be held in third party safekeeping by the trust department of the District's main bank, or by another third party trustee designated by the Finance Manager/Treasurer..

M. Delivery

The purchase of an eligible security shall require delivery of the securities to the District, including those purchased for the District by financial advisors, consultants, or managers using the District's funds, by book entry, physical delivery, or by third party custodial agreement. The transfer of securities to the counter party bank's customer book entry account may be used for book entry delivery. A counter party bank's trust department or separate safekeeping department may be used for the physical delivery of the security if it is held in the District's name.

N. Maximum Maturity

Pursuant to Government Code Section 53601 where the Government Code does not specify a limitation on the maturity term of a security, the Treasurer is authorized, as part of the District's investment program set forth herein, to invest in individual instruments in the portfolio to a maximum maturity of ten (10) years. The maximum weighted average maturity of the portfolio shall not exceed five (5) years.

O. Internal Control

Separation of functions between the Finance Manager/District Treasurer and the Finance Supervisor is designed to provide an ongoing internal review to prevent the potential for converting assets or concealing transactions.

Existing procedures require all wire transfers to be approved by the Finance Manager/District Treasurer and Finance Supervisor. Proper documentation obtained from confirmation and cash disbursement wire transfers is required for each investment transaction. Timely bank reconciliation is conducted to ensure proper handling of all transactions.

The investment portfolio and all related transactions are reviewed and balanced to appropriate general ledger accounts by the Finance Manager/District Treasurer on a monthly basis.

All employees involved in the investment of District funds are properly bonded.

Confirmation letters are delivered to the financial institution with the details of the investment transaction. The letters are signed by the Finance Manager/District Treasurer with copies to the Finance Supervisor. In the absence of the Finance Manager/District Treasurer, the Finance Supervisor may sign the confirmation letter for investments previously authorized. The Finance Manager/District Treasurer will review the letter signed during his or her absence by the Finance Services Specialist.

District receives confirmations from the financial institutions. All investment confirmations received from financial institutions are reviewed for accuracy and filed with the District's letter of confirmation in the Finance Manager/District Treasurer's office .

The District investment accounting software package meets all legal reporting requirements. It has the capability of generating a variety of reports for monitoring and controlling investment activity. An independent confirmation by an external auditor is conducted annually to review internal control, account activity and compliance with policies and procedures.

P. Other Guidelines

1. **Liquidity:** Liquidity refers to the ability to convert investment holdings to cash immediately with minimal loss of principal or accrued interest. This quality is important when the need for unexpected funds suddenly occurs. The secondary duty of the Treasurer is to insure that the liquidity needs of the District are met.
2. **Competitive Bids:** Purchase and sale of securities are made on the basis of competitive offers and bids.
3. **Selling Securities Prior to Maturity:** Generally, losses are acceptable on a sale before maturity if the earnings from the reinvested proceeds will exceed the income that would have been generated by the old investment considering any capital loss or foregone interest on the original investment.
4. **Sale of Investments Before Maturity:** Investments may be sold prior to maturity for cash flow or appreciation purposes; however, no investment shall be made solely for the purpose of trading.
5. **NCD Evaluation:** Negotiable Certificates of Deposit (NCD) are evaluated in terms of the credit worthiness of the issuer, as these deposits are unsecured, and uncollateralized promissory notes. See Appendix F of Treasury Management Procedures for NCD criteria.
6. **Time Deposit Placement:** Time deposits (insured and collateralized certificates of deposit) are not placed with banks, credit unions and/or associations unless an office is maintained in the State of California.
7. **TCD Evaluation:** Time Certificates of Deposit (TCD) are evaluated in terms of FDIC coverage. For deposits in excess of the insured maximum of \$100,000 approved levels of collateral at full market value are required, as prescribed in the California Government Code. See Appendix G of Treasury Management Procedures for TCD criteria.
8. **Security Marketability:** The marketability (salability) of a security is considered at the time of purchase, as the security may have to be sold prior to maturity in order to meet unanticipated cash demands.
9. **Cash Flow Requirements Used to Establish Maturity:** Projected cash flow requirements and the overall weighted average maturity of the District's investment portfolio are the primary factors to be used in determining investment maturity terms.

Q. Reporting

1. **Monthly Report:** Government Code Section 53067 requires the Finance Manager/District Treasurer to make a monthly report to the Board of Directors of transactions made pursuant to the Investment Policy.
2. **Monthly Report:** Water Code Section 24273 requires the Finance Manager/District Treasurer to file a report with the Secretary showing: Amount of money in District's treasury, audit of receipts and audit of items of expenditure.
3. **Quarterly Report:** Government Code Section 53646 requires the Finance Manager/District Treasurer to issue a quarterly report within 30 days following the end of the quarter, to the General Manager, and the Board of Directors, showing

the type of investment, issuer and/or institution, date of maturity, amount of investment, current market value for all securities, rate of interest, and other relevant data that may be required. The quarterly report shall state compliance of the investment portfolio with the Investment Policy and shall include a statement denoting the ability of the District to meet its pool expenditure requirements for the next six months. The Finance Manager/District Treasurer shall also submit the investment policy annually to the Board, disclose the source of market value information, confirm compliance with the guidelines or explain the differences, and affirm the agency's ability to meet its obligations over the next six months.

R. Investment Policy Adoption

The District's investment policy guidelines shall be adopted by resolution annually. However, changing economic conditions may make it advisable to review the guidelines during the year. Legislative changes affecting public agency investment practices may also need to be incorporated into the policy statement prior to year-end. It is anticipated that most changes will be processed at the end of the calendar year.

Glossary

Accrued Interest	Interest that has accumulated between the most recent payment and the sale of a bond or other fixed income security. At the time of sale, the buyer pays the seller the bond's price plus accrued interest.
Agencies	Securities issued by government-sponsored corporations or agencies of the U.S. Government such as the Federal Home Loan Banks, the Federal Farm Credit Banks Small Business Administration, Department of Housing and Urban Development.
Amortize	Accounting method whereby the cost of acquisition of an asset gradually is reduced to reflect the theoretical resale value of the asset.
Asked Price	The price at which securities are offered for sale. Also called the Ask Price, Asking Price, or Ask.
Bankers' Acceptance	A draft or bill or exchange accepted by a bank or trust company. It is the customary means of effecting payment for merchandise sold in import-export transactions and a source of financing used extensively in international trade.
Basis Point	.01% of yield (1/100 of 1%) on a fixed-income security.
Bear Market	Prolonged period of falling prices. A bear market in stocks is usually brought on by the anticipation of declining economic activity, and a bear market in bonds is caused by rising interest rates.
Bearish	Having the opinion that securities will fall in market value.
Bid	The price offered by a buyer of securities. (When you are selling securities, you ask for a bid.) See Offer.
Bond	Any interest-bearing or discounted government or corporate security that obligates the issuer to pay the bondholder a specified sum of money, usually at specific intervals, and to repay the principal amount of the loan at maturity.
Book Entry	Holders of the securities are recorded on the books of the Federal Reserve Bank of New York for the issuer. Interest and principal payments are sent to the investor when due. No physical certificates are issued or delivered to the investor. Bonds issued in book entry form are transferred via the Federal Reserve wire or book entry system to member financial institutions. Book entry securities are said to be wireable.
Book Value	Value at which an asset is carried on the balance sheet.
Broker	A person who acts as an intermediary between a buyer and seller.
Bull Market	Prolonged rise in the prices of stocks, bonds, or commodities. Bull markets usually last at least a few months and are characterized by high trading volume.
Bullish	The belief that prices will rise or will continue to rise.
Call	The action whereby a company elects to redeem a security prior to its maturity date.

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Callable Bond	Bond that may be called (redeemed) by the issuer on or after a specified date before maturity.
Certificate of Deposit (CD)	A time deposit with a specific maturity evidenced by a certificate.
Collateral	Securities, evidenced of deposit or other property which a borrower pledges to secure repayment of a loan. Also refers to securities pledged by a bank to secure deposits of public monies.
Commercial Paper	Short-term obligations with maturities ranging from 2 to 270 days issued by banks, corporations, and other borrowers to investors with temporarily idle cash. Such instruments are unsecured and usually discounted, although some are interest bearing.
Confirmation	Formal memorandum from a broker to a client giving details of a securities transaction.
Consumer Price Index (CPI)	Measure of change in consumer prices, as determined by a monthly survey of the U.S. Bureau of Labor Statistics.
Coupon	(a) The annual rate of interest that a bond's issuer promises to pay the bondholder on the bond's face value. (b) A certificate attached to a bond evidencing interest due on a payment date.
Current Yield	The annual interest received on a bond in relation to the amount paid for the bond expressed as a percentage.
Debenture	A bond secured only by the general credit of the issuer.
Delivery Versus Payment (DVP)	There are two methods of delivering securities: delivery versus payment (DVP) and delivery versus receipt. DVP is delivery of securities with an exchange of money for the securities. Delivery versus receipt is delivery of securities with an exchange of a signed receipt for the securities.
Depository Trust Company (DTC)	A central securities certificate depository, and member of the Federal Reserve System, through which members may arrange deliveries of securities between each other through computerized debit and credit entries without physical delivery of the certificates.
Derivatives	(1) Financial instruments whose return profile is linked to, or derived from, the movement of one or more underlying index or security, and may include a leveraging factor, or (2) financial contracts based upon notional amounts whose value is derived from an underlying index or security (interest rates, foreign exchange rates, equities or commodities).
Discount	The difference between the cost price of a security and its maturity amount when quoted at lower than face value. A security selling below original offering price shortly after sale also is considered to be at a discount.
Discount Rates	Interest rate that the Federal Reserve charges member banks for loans, using government securities or eligible paper as collateral.

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Discount Securities	Non-interest bearing money market instruments that are issued at a discount and redeemed at maturity for full face value, e.g., U.S. Treasury Bills.
Diversification	Dividing investment funds among a variety of securities offering independent returns.
Face Value	Value of a bond stated on the bond certificate.
Fed Wire	Computerized network linking the Fed with its district banks, member banks, and primary dealers in government securities.
Federal Deposit Insurance Corporation (FDIC)	A federal agency that insures bank deposits, currently up to \$100,000 per deposit.
Federal Funds Rate	Interest rate charged by banks with excess reserves at a Federal Reserve district bank to banks needing overnight loans to meet reserve requirements.
Federal Home Loan Banks (FHLB)	Government sponsored wholesale banks (currently 12 regional banks) which lend funds and provide correspondent banking services to member commercial banks, thrift institutions, credit unions and insurance companies. The mission of the FHLBs is to liquefy the housing related assets of its members who must purchase stock in their district Bank.
Federal National Mortgage Association (FNMA)	FNMA, like GNMA, was chartered under the Federal National Mortgage Association Act in 1938. FNMA is a federal corporation working under the auspices of the Department of Housing and Urban Development (HUD). It is the largest single provider of residential mortgage funds in the United States. Fannie Mae, as the corporation is called, is a private stockholder-owned corporation. The corporation's purchases include a variety of adjustable mortgages and second loans, in addition to fixed-rate mortgages. FNMA's securities are also highly liquid and are widely accepted. FNMA assumes and guarantees that all security holders will receive timely payment of principal and interest.
Federal Open Market Committee (FOMC)	Consists of seven members of the Federal Reserve Board and five of the twelve Federal Reserve Bank Presidents. The President of the New York Federal Reserve Bank is a permanent member, while the other Presidents serve on a rotating basis. The Committee periodically meets to set Federal Reserve guidelines regarding purchases and sales of Government Securities in the open market as a means of influencing the volume of bank credit and money.
Federal Reserve System	The central bank of the United States created by Congress to regulate the U.S. monetary and banking system.
Flat	A bond that is sold without accrued interest.
Government National Mortgage Association (GNMA or Ginnie Mae)	A government-owned corporation, nicknamed Ginnie Mae, which is an agency of the U.S. Department of Housing and Urban Development. GNMA guarantees, with the full faith and credit of the U.S. Government, full and timely payment of all monthly principal and interest payments on the mortgage-backed pass-through securities of registered holders.

Investment Policy Guidelines - FY 2017-18
Florin Resource Conservation District

Illiquid	Used when a security that does not enjoy an active secondary market; thus, the holder may find it difficult to sell the security and thereby go back to cash.
Know Your Customer	Industry obligation that requires a brokerage firm and its registered representatives to know the important facts about the customer with whom they do business.
Liquidity	A liquid asset is one that can be converted easily and rapidly into cash without a substantial loss of value. In the money market, a security is said to be liquid if the spread between bid and asked prices is narrow and reasonable size can be done at those quotes.
Local Government Investment Pool (LGIP)	The aggregate of all funds from political subdivisions that are placed in the custody of the State Treasurer for investment and reinvestment. In California it is called the Local Agency Investment Fund (LAIF).
Market Value	The price at which a security is trading and could presumably be purchased or sold.
Master Repurchase Agreement	A written contract covering all future transactions between the parties to repurchase -- reverse repurchase agreements that establishes each party's rights in the transactions. A master agreement will often specify, among other things, the right of the buyer-lender to liquidate the underlying securities in the event of default by the seller-borrower.
Maturity Date	The specified day on which the issuer of a debt security is obligated to repay the principal amount, or face value, of a security.
Money Market	The market in which short-term debt instruments (bills, commercial paper, bankers' acceptances, etc.) are issued and traded.
New Issue	Popular term for any new security offered for sale by the issuer.
Odd Lot	Transactions that are for less than the typical unit of trading.
Offer	The price asked by a seller of securities. (When you are buying securities, you ask for an offer.) See Asked and Bid.
Open Market Operations	Purchases and sales of government and certain other securities in the open market by the New York Federal Reserve Bank as directed by the FOMC in order to influence the volume of money and credit in the economy. Purchases inject reserves into the bank system and stimulate growth of money and credit; sales have the opposite effect. Open market operations are the Federal Reserve's most important and most flexible monetary policy tool.
Paper Loss	An unrealized loss on a security position. Paper losses become realized losses only if the security is sold.
Par	Any security whose market or offering price is the same as its face value at the time of redemption.
Portfolio	Collection of securities held by an investor.
Premium	The dollar amount by which the market price of a bond exceeds its par value.

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Florin Resource Conservation District

Primary Dealer	A group of government securities dealers who submit daily reports of market activity and positions and monthly financial statements to the Federal Reserve Bank of New York and are subject to its informal oversight. Primary dealers include Securities and Exchange Commission (SEC)-registered securities broker-dealers, banks, and a few unregulated firms.
Prime Rate	Interest rate banks charge to their most creditworthy customers.
Prudent Person Rule	An investment standard. In some states the law requires that a fiduciary, such as a trustee, may invest money only in a list of securities selected by the custody state -- the so-called legal list. In other states the trustee may invest in a security if it is one which would be bought by a prudent person of discretion and intelligence who is seeking a reasonable income and preservation of capital.
Quote	A statement of the highest bid and lowest offer for the security.
Rally	Industry term for a sharp rise in the price of the security.
Rate Of Return	The yield obtainable on a security based on its purchase price or its current market price.
Rating	Judgment of creditworthiness of an issuer made by an accepted rating service.
Registered Bond	A bond that is recorded in the name of the holder on the books of the issuer or the issuer's Registrar and can be transferred to another owner only when endorsed by the registered owner.
Repurchase Agreement (RP or Repo)	A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date. The security "buyer" in effect lends the "seller" money for the period of the agreement, and the terms of the agreement are structured to compensate him for this.
Reverse Repurchase Agreements	Whereby dealers agree to buy the securities and the investor agrees to repurchase them at a later date.
Safekeeping	A service to customers rendered by banks for a fee whereby securities and valuables of all types and descriptions are held in the bank's vaults for protection.
Secondary Market	A market made for the purchase and sale of outstanding issues following the initial distribution.
Securities Lending Agreement	An agreement under which a local agency agrees to transfer securities to a borrower who, in turn, agrees to provide collateral to the local agency. During the term of the agreement, both the securities and the collateral are held by a third party. At the conclusion of the agreement, the securities are transferred back to the local agency in return for the collateral.
Settlement Date	The date on which a securities contract, by prearranged agreement, must be cleared or settled.

Investment Policy Guidelines - FY 2017-18
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Spread	The difference between yields on various fixed-income securities.
Subject	Term used of a quote made by a dealer, whether a bid or an offer or both, that must be reviewed before a final decision to buy or sell is made.
Swap	Industry jargon for the sale of one security and the purchase of another.
The Bond Marketing Association (TBMA)	A trade association representing banks, dealers, and brokers who underwrite and trade municipals, governments, and federal agency securities.
Treasury Bills	A non-interest bearing discount security issued by the U.S. Treasury. Most bills are issued to mature in three months, six months, or one year, in minimum denominations of \$10,000.
Treasury Bonds	Long-term coupon-bearing U.S. Treasury securities issued as direct obligations of the U.S. Government and having initial maturities 10 years or longer issued in minimum denominations of \$1,000.
Treasury Notes	Intermediate securities with maturities of 1 to 10 years.
Yield	The rate of annual income return on an investment, expressed as a percentage. (a) INCOME YIELD is obtained by dividing the current dollar income by the current market price for the security. (b) NET YIELD or YIELD TO MATURITY is the current income yield minus any premium above par or plus any discount from par in purchase price, with the adjustment spread over the period from the date of purchase to the date of maturity of the bond.
Yield to Maturity	A measurement of the compound rate of return that an investor in a bond with a maturity of more than one year will receive if: (1) the investor holds the security to maturity and (2) reinvests all cash flows at the same market rate of interest.

Sources

1. *Dictionary of Finance and Investment Terms, Second Edition*, John Downes and Jordan Elliot Goodman.
2. *Debt Securities, A Handbook for State and Local Government Portfolio Managers*, Keith Williams.
3. Municipal Treasurers' Association of the United States and Canada, Investment Policy Guidelines.

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Bruce M. Kamilos, Assistant General Manager

SUBJECT: **MEETING ROOM AND INFORMATION TECHNOLOGY BUILDING PROJECT – REJECTION OF BIDS**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors approve a motion rejecting all bids for the Meeting Room and Information Technology Building project and directing staff to rebid the project.

Summary

The Meeting Room and Information Technology Building (Meeting & I.T. Building) project proposes to construct a 1,550 square-foot building that would include a large meeting and training room for operations staff, two (2) office spaces for operations supervisors, and a facility to centralize the district's information technology equipment and operations. The project was publicly noticed on May 10, 2017 in compliance with District Policy No. 8, District Bidding Policy and Procedure for Public Works Construction Contracts. Bids were received and opened on June 1, 2017. The District received only one (1) bid for the project from Bobo Construction in the amount of \$764,420. The planned budget for this project in the proposed FY 2018-22 Capital Improvement Program is \$300,000.

Staff recommends that the Board reject all bids for the project and direct staff to rebid the project.

DISCUSSION

Background

The Railroad Street Water Treatment Facility (RRWTF) is where operations personnel and maintenance activities are based. The maintenance and operations building at the RRWTF does not have adequate space for staff offices, nor does it have a room to conduct large meetings and training classes. The district also has its information

MEETING AND I.T. BUILDING PROJECT – REJECTION OF BIDS

Page 2

technology equipment located in various rooms, one of which has had problems with room temperature control.

Present Situation

On May 10, 2017, the district publicized a notice inviting bids for the Meeting & I.T. Building project. On May 18, 2017, the district held a non-mandatory pre-bid meeting for the project. Two (2) contractors attended the pre-bid meeting. To be eligible for consideration, the district required bidders to submit bids to the district office no later than June 1, 2017 at 2:00 p.m. The district received one (1) bid for the Meeting & I.T. Building project by the time of the bid submittal deadline. The bid was from Bobo Construction in the amount of \$764,420. The planned budget for this project in the proposed FY 2018-22 Capital Improvement Program is \$300,000.

After the bid opening, staff called two (2) contractors who had expressed interest in submitting a bid for this project. One of the contractors had attended the pre-bid meeting. This contractor stated that his company had picked up a large contract the day before the bids were due and decided not to submit a bid due to a heavy workload. The contractor stated that the construction market was extremely tight and because of that, contractors were marking up their bids by 100% in some cases. Staff contacted another contractor who had expressed interest in the project during the bidding period. This contractor stated that they did not submit a bid because they were unable to get bids from subcontractors for the stucco and concrete work on the project. They, too, said the construction market is extremely tight, and that it is difficult to get subcontract help.

Staff also called the architect on the project and asked him how he suggested to proceed. Staff asked the architect if the district could save money by redesigning the building from a conventional stick construction to a pre-engineered metal building. The architect said redesigning the building in his opinion would not result in a significant cost savings. He recommended that he reach out to smaller and medium-sized contractors that he knows to try to generate more interest in the project during a rebid. One of the contractors staff spoke with said that he was extremely interested in the project and would submit a bid if the project was rebid, as long as the district could defer the start of the project until after this summer should he be awarded a contract.

MEETING AND I.T. BUILDING PROJECT – REJECTION OF BIDS

Page 3

ENVIRONMENTAL CONSIDERATIONS

The Meeting & I.T. Building project is categorically exempt from CEQA (the California Environmental Quality Act) under Title 14 California Code of Regulations, Class 3, Section number 15303 of the CEQA Guidelines. Projects exempt under Class 3, Section number 15303 consist of construction and location of limited numbers of new, small facilities or structures. Staff would file a Notice of Exemption (NOE) with the County Clerk subsequent to the Board of Directors approving a contract award for this project.

STRATEGIC PLAN CONFORMITY

The recommendation made in this staff report conforms to the District's Strategic Plan. The Strategic Plan directs the District to implement the approved capital improvement program, and this project is part of the capital improvement program.

FINANCIAL SUMMARY

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

Respectfully submitted,



BRUCE M. KAMILOS
ASSISTANT GENERAL MANAGER

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Stefani Phillips, Board Secretary

SUBJECT: **ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 4 BOARD NOMINATIONS FOR THE 2018-2019 TERM**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors consider adopting Resolution No. 06.21.17.05 nominating a Director or General Manager as a member of the Association of California Water Agency Region 4 Board.

Summary

The Association of California Water Agencies (ACWA) Region 4 Nominating Committee is seeking candidates for the Region 4 Board for the 2018-2019 term. ACWA Region 4 Board is comprised of a Chair, Vice-Chair and up to five (5) Board Member positions. The Florin Resource Conservation District (FRCD) Board of Directors may nominate one (1) Board member or the General Manager to hold an officer position as the Chair, Vice-Chair, or Director. If elected to the ACWA Region 4 Board, the officer positions Chair and Vice-Chair would then serve as ACWA Board of Directors.

The ACWA Region 4 nomination form (Attachment 1) and resolution is due by Friday, June 30, 2017.

By this action, the Board may consider nominating one (1) Director or the General Manager as officer positions Chair, Vice-Chair, or Director to the ACWA Region 4 Board.

DISCUSSION

Background

ACWA is governed by a 36-member Board of Directors that includes representation from member agencies throughout the state, such as the Region 4 Board. The ACWA Board is comprised of ACWA's President and Vice-President, the Chair and Vice-Chair of each of ACWA's 10 regions, the Chair of each ACWA standing committee, the immediate past President, and the Vice-President of the ACWA/Joint Powers Insurance Authority.

All ACWA member agencies may nominate one (1) agency Director or General Manager to hold an officer position as the Chair, Vice-Chair, or Director for the Region 4 Board.

ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 4 BOARD NOMINATIONS FOR THE 2018-2019 TERM

Page 2

ACWA Region 4 (Region 4) Board Members serve a two-year (2) term beginning January 1, 2018 and ending on December 31, 2019. The main objective of Region 4 is bringing forward policies.

Region 4 will meet quarterly; two of the yearly meetings will be held at the ACWA spring and fall conferences. In addition, the Chair and Vice-Chair are required to attend bi-monthly ACWA Board Meetings. ACWA member agency representatives are encouraged to attend all meetings to function effectively. Region 4 Board members may not miss more than three (3) consecutive region board/membership meetings.

ACWA member agencies that have representatives sitting on regional boards and the ACWA Board of Directors are responsible for all travel costs associated with meeting attendance.

Present Situation

The FRCD/EGWD does not currently have any directors or the General Manager that serve on the Region 4 Board. The Region 4 nomination form and resolution are due by Friday, June 30, 2017. The Nominating Committee for Region 4 will announce their recommended candidate selection by July 31, 2017. One ballot will be sent to each agency on August 1, 2017 and the election results will be announced on October 5, 2017.

Staff recommends that the FRCD Board discuss and consider nominating a Director or General Manager as the Chair, Vice-Chair, or Director to the Region 4 Board.

STRATEGIC PLAN CONFORMITY

Serving on the Region 4 Board would comply with both the Florin Resource Conservation District's Cooperative Programs and the Elk Grove Water District's Financial Stability sections of the 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

The District would be responsible for covering the cost of all travel associated with meeting attendance. Currently, the proposed Elk Grove Water District Fiscal Year 2017-18 Operating Budget (Budget) has \$7,820 allocated for board member travel. In the event that the Board nominates a Director or the General Manager, and if they are elected to the Region 4 Board, the budget may need to be adjusted to accommodate associated meeting travel.

June 21, 2017

**ASSOCIATION OF CALIFORNIA WATER AGENCIES REGION 4 BOARD NOMINATIONS
FOR THE 2018-2019 TERM**

Page 3

Respectfully submitted,



STEFANI PHILLIPS
Board Secretary

Attachments

RESOLUTION No. 06.21.17.05

**RESOLUTION OF THE FLORIN RESOURCE
CONSERVATION DISTRICT BOARD OF DIRECTORS
NOMINATING (NAME) AS A MEMBER OF THE ASSOCIATION
OF CALIFORNIA WATER AGENCIES REGION 4 BOARD**

**BE IT RESOLVED BY THE FLORIN RESOURCE CONSERVATION DISTRICTS
BOARD OF DIRECTORS AS FOLLOWS:**

A. Recitals

- (i) The Board of Directors (Board) of the Florin Resource Conservation District (FRCD) does encourage and support the participation of its members in the affairs of the Association of California Water Agencies (ACWA)

B. Resolves

**NOW, THEREFORE, BE IT RESOLVED THAT THE FLORIN RESOURCE
CONSERVATION DISTRICT BOARD OF DIRECTORS,**

- (i) Does place its full and unreserved support in the nomination of (Nominee Name) for the (Position) of ACWA Region 4 Board.
- (ii) Does hereby determine that the expenses attendant with the service of (Nominee Name) in ACWA Region 4 shall be borne by the FRCD.

APPROVED AND ADOPTED this 21st day of June, 2017.

Tom Nelson
Chairperson of the Board of Directors

ATTEST:

Stefani Phillips
Board Secretary

I, Stefani Phillips, Board Secretary of the Florin Resource Conservation District Board of Directors, hereby certify that the foregoing Resolution was introduced at a regular meeting of the Board of Directors of said District, held on the 21st day of June 2017, and was adopted at that meeting by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

ATTEST:

Stefani Phillips
Board Secretary



REGION BOARD CANDIDATE NOMINATION FORM

Name of Candidate: _____

Agency: _____ Title: _____

Agency Phone: _____ Direct Phone: _____

E-mail: _____ ACWA Region: _____ County: _____

Address: _____

Region Board Position Preference: (If you are interested in more than one position, please indicate priority – 1st, 2nd and 3rd choice)

- Chair _____
- Vice Chair _____
- Board Member _____

In the event, you are not chosen for the recommended slate, would you like to be listed on the ballot's individual candidate section? (If neither is selected, your name will **NOT** appear on the ballot.)

- Yes
- No

Agency Function(s): (check all that apply)

- Wholesale
- Sewage Treatment
- Flood Control
- Urban Water Supply
- Retailer
- Groundwater Management / Replenishment
- Ag Water Supply
- Wastewater Reclamation
- Other: _____

Describe your ACWA-related activities that help qualify you for this office:

In the space provided, please write or attach a brief, half-page bio summarizing the experience and qualifications that make you a viable candidate for ACWA Region leadership. Please include the number of years you have served in your current agency position, the number of years you have been involved in water issues and in what capacity you have been involved in the water community.

I acknowledge that the role of a region board member is to actively participate on the Region Board during my term, including attending region board and membership meetings, participating on region conference calls, participating in ACWA's Outreach Program, as well as other ACWA functions to set an example of commitment to the region and the association.

*I hereby submit my name for consideration by the Nominating Committee.
(Please attach a copy of your agency's resolution of support/sponsorship for your candidacy.)*

 Signature Title Date

June 21, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Sarah Jones, Program Manager
SUBJECT: **LEGISLATIVE UPDATE**

RECOMMENDATION

It is recommended the Florin Resource Conservation District Board of Directors approve the submittal letter of support for the Association of California Water Agency Policy Statement in regards to the 2016 Bay-Delta Plan and Bay-Delta Flow Requirements.

Summary

The Association of California Water Agency (ACWA) Board of Directors adopted a strong policy statement urging the State Water Resources Control Board (SWRCB) to set aside its problematic “unimpaired flow” approach to setting new water quality objectives in the Bay-Delta watershed. ACWA believes the state’s policy on flows should embrace a collaborative, comprehensive approach that protects and promotes both water supply reliability and ecosystem health. To demonstrate the broadest support possible for ACWA’s policy statement on Bay-Delta Flow Requirements, ACWA is requesting our members to adopt a resolution or letter of support. A draft support letter is attached for review (Attachment 1).

As per request for updates regarding AB 166, (household filtration systems: rebate program), the bill requires the SWRCD Board to conduct a feasibility and financial stability study regarding a rebate program that would provide a household that is served by a water system that does not meet primary drinking water standards with a rebate for the purchase of a household water filtration system.

DISCUSSION

Background

The Board has requested staff to provide monthly updates of legislation items related to the Florin Resource Conservation District (FRCD) and the Elk Grove Water District (EGWD).

Present Situation

LEGISLATIVE UPDATE

Page 2

ACWA's Board of Directors has adopted a strong policy statement (Attachment 2) urging the SWRCD to set aside its problematic "unimpaired flow" approach to setting new water quality objectives in the Bay-Delta watershed. This statement, adopted in a special meeting by conference call on March 10, 2017 calls on the SWRCB to heed Governor Jerry Brown's call for negotiated agreements, which have proven successful in achieving positive ecological outcomes while maintaining water supply reliability. The SWCRB staff proposal to base new water quality objectives on a "percentage of unimpaired flow" could lead to a widespread fallowing of agricultural land and negatively affecting water reliability for much of the state's population.

The singular focus on unimpaired flow is incompatible with the state's policy of coequal goals and other broader policy commitments in the Brown Administration's California Water Action Plan. ACWA believes the state's policy on flows should embrace a collaborative, comprehensive approach that protects and promotes both water supply reliability and ecosystem health. Over 100 member agencies have submitted resolutions or letters of support, 55 of which are indicated on the flyer *ACWA's Bay-Delta Flow Policy Supporters* (Attachment 3).

AB 166

Under existing law, the California Safe Drinking Water Act imposes on the SWRCB various responsibilities and duties relating to providing a dependable, safe supply of drinking water. The act prohibits a person from operating a public water system without a permit and requires any person who owns a public water system to ensure that the system, among other things, provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.

This bill would require the state board, in collaboration with specified entities, to conduct a study on the feasibility and financial stability of a rebate program that would provide a household that is served by a water system that does not meet primary drinking water standards with a rebate for the purchase of a household water filtration system. The bill would also require the study to include any recommendations for the Legislature to implement the rebate program. The bill would require the state board to conclude the study no later than January 1, 2019, and to submit a report on the study to the Legislature no later than March 1, 2019. The bill is currently being reviewed in the Senate Rules Committee.

LEGISLATIVE UPDATE

Page 3

STRATEGIC PLAN CONFORMITY

Tracking active legislation complies with the District'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

Attachments



June 9, 2017

Jeanine Townsend, Clerk to the Board
State Water Resources Control Board
1001 I Street, 24th Floor
Sacramento, CA 95814-0100

RE: 2016 BAY-DELTA PLAN AMENDMENT

California is facing a defining moment in water policy that will be substantially impacted by the State Water Resources Control Board's approach to water quality objectives under the Water Quality Control Plan for the San Francisco Bay/ Sacramento- San Joaquin Delta. The State Water Board has the responsibility for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water in a way that is consistent with the coequal goals of improving water supply reliability and protecting, restoring and enhancing the Delta ecosystem, and with respect to the commitments made in the California Water Action Plan.

The State Water Board staff's current proposal, which focuses singularly on an "unimpaired flow" approach is irreconcilable with a policy of coequal goals of improving both water supply reliability and ecosystem health, and is inconsistent with the broader water policy objectives of the Brown Administration. This proposal would undermine investments in storage, adversely impact the drinking water quality of disadvantaged communities, increase groundwater overdraft in a part of the state where groundwater basins are already out of balance, and put large amounts of agricultural land out of production.

For these reasons the Elk Grove Water District is alignment with ACWA who has adopted a strong policy statement that calls for a better approach that can more effectively achieve ecological objectives while maintaining water reliability. The statement calls on the State Water Board to set aside its "unimpaired flow" approach

9257 Elk Grove Blvd. Elk Grove, CA 95624 (916) 685-3556 Fax (916) 685-5376

June 9, 2017
Jeanine Townsend, Clerk to the Board

RE: 2016 BAY DELTA PLAN AMENDMENT

Page 2

and heed Governor Brown's call for negotiated agreements, which have been successful on many rivers and tributaries in California.

The ACWA statement notes that to be successful, the state's flow policy must be consistent with the principals of collaboration, comprehensive solutions, science, functional flows, economic considerations and consistency in state policy. California's local urban and agricultural water managers are united in their vision for a future that includes a vibrant California economy as well as healthy ecosystems and fish populations, and believe that vision is best achieved through a comprehensive and collaborative approach.

MARK J. MADISON
GENERAL MANAGER



Attachment 2

ACWA POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS

COLLABORATIVE APPROACH IS KEY TO CALIFORNIA'S FUTURE

California is facing a defining moment in water policy. A staff proposal under consideration by the State Water Resources Control Board presents a decision point about the future we want for California and its communities, farms, businesses and ecosystems. The State Water Board's staff proposal to base new water quality objectives on a "percentage of unimpaired flow" would have impacts that ripple far beyond water for fish.

The proposal could lead to widespread fallowing of agricultural land, undercut the state's groundwater sustainability goals, cripple implementation of the Brown Administration's California Water Action Plan, negatively affect water reliability for much of the state's population and impact access to surface water for some disadvantaged communities that do not have safe drinking water. These effects are not in the public's interest.

Local water managers overwhelmingly believe the proposal's singular focus on "unimpaired flow" is the wrong choice for the state's future. California's urban and agricultural water managers are united in their vision for a future that includes a healthy economy as well as healthy ecosystems and fish populations. That vision is best achieved through comprehensive, collaborative approaches that include "functional" flows as well as non-flow solutions that contribute real benefits to ecosystem recovery.

On behalf of its more than 430 member public agencies serving urban and agricultural customers throughout the state, the Association of California Water Agencies (ACWA) adopts the following policy statement regarding the State Water Board's proposed approach to updating the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta.

LOCAL SUCCESS STORIES

Collaborative efforts have been successful on many rivers in the Bay-Delta watershed.

Lower Yuba River: A voluntary, collaborative settlement among Yuba County Water Agency, California Department of Fish and Wildlife, National Marine Fisheries Service, PG&E and conservation groups resolved 20 years of controversy and resulted in a continuing program to improve 24 miles of salmon and steelhead habitat while protecting water rights and the needs of local communities. State Water Board members have specifically recognized the value of the agreement, which was formally implemented in 2008.

Lower American River: A broad representation of water suppliers, environmental groups, local governments and others negotiated an historic agreement that led to a flow management standard that was successfully incorporated into a 2009 biological opinion issued by the National Marine Fisheries Service.

Feather River: Six years of negotiations among water users, fisheries agencies and environmental groups yielded a comprehensive agreement that includes a habitat improvement program with specific flow and temperature requirements to accommodate spawning salmon and steelhead. The State Water Board adopted the agreement, with some modification, in 2010 as a water quality certification under the federal Clean Water Act.

CHOOSING OUR VISION FOR CALIFORNIA'S WATER FUTURE

Since 2009, state law has required water resources to be managed in a way that achieves the coequal goals of improving water supply reliability for California and protecting, restoring and enhancing the Delta ecosystem. ACWA and its public water agency members believe that policy requires a commitment from state agencies and stakeholders to advance both water supply and environmental goals together. ACWA and its members further believe that effective implementation of the coequal goals requires transparent, collaborative processes and comprehensive solutions.

In 2014, the Brown Administration released its California Water Action Plan outlining priority actions addressing water-use efficiency, groundwater sustainability, ecological restoration, Delta conveyance solutions, water storage, safe drinking water and more. Embedded in the plan is the Brown Administration's commitment that planned actions "will move California toward more sustainable water management *by providing a more reliable water supply for our farms and communities*, restoring important wildlife habitat and species, and helping the state's water systems and environment become more resilient."

ACWA believes the policy of coequal goals and the commitment embedded in the California Water Action Plan have the potential to put California on a path that includes a vibrant agricultural and urban economy and a healthy ecosystem.

ACWA and its members believe the unimpaired flow approach proposed by State Water Board staff undercuts and threatens that potential and cannot lead us to the future we want for California. Simply put, any strategy that would result in vast amounts of agricultural land going out of production and ultimately reduce water supply reliability for the majority of Californians is irreconcilable with a policy of coequal goals and blatantly inconsistent with the water policy objectives of the Brown Administration.

ACWA strongly supports the collaborative approach called for by Governor Jerry Brown to move these important decisions out of adversarial processes and into negotiated, comprehensive agreements. The following principles can assure success in that endeavor.

A BETTER PATH TO THE FUTURE

The State Water Board is responsible for updating the Bay-Delta Plan in a manner that establishes water quality objectives that ensure the reasonable protection of all beneficial uses of water (including domestic, municipal, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources) while considering past, present and probable future beneficial uses, environmental characteristics, water quality conditions and economic considerations, among other things. (See California Water Code Section 13241.) It also has a responsibility to update the plan in a way that is consistent with the coequal goals and respects and implements the commitments made in the California Water Action Plan.

ACWA and its members urge the State Water Board to set aside the unimpaired flow approach and heed Governor Brown's call for negotiated agreements. ACWA believes that a successful flows policy must be consistent with the following principles:

- **Collaboration:** The governor has called for work on a comprehensive agreement on environmental flows in both the San Joaquin and Sacramento River basins. He has asked that State Water Board members and staff prioritize analysis and implementation of voluntary agreements. Further, the Brown Administration committed in the California Water Action Plan that the State Water Board and the California Natural Resources Agency will work with stakeholders to encourage negotiated implementation of protective Delta standards. ACWA strongly supports the collaborative approach called for by the governor because it is the least contentious, most effective way to achieve the coequal goals. Negotiated agreements have been demonstrably successful at achieving outcomes and widespread support for appropriate environmental flows; forced

regulations have not yielded the same track record. The State Water Board should wholly embrace this approach and allow enough time for it to work.

- **Comprehensive Solutions:** A successful collaborative approach will require comprehensive solutions for both water supply and ecosystem management. Water users will need to continue and build on their commitment to integrated resources management in order to maintain reliability without undue impacts on the ecosystem. Similarly, ecosystem managers will need to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability to develop integrated management portfolios that accomplish ecosystem goals without undue impacts on water supply. Utilizing the single variable proposed in the "percentage of unimpaired flow" approach will not achieve the desired ecological outcomes and is, by far, the most destructive policy approach from the perspective of protecting and improving water supply. ACWA firmly believes the ecological outcomes can be achieved with even better results through a comprehensive approach that considers multiple solutions and benefits.
- **Science:** The State Water Board needs to incorporate the best available science to inform its work and assist with the development of voluntary settlement agreements. The unimpaired flow approach, in which flow objectives are not tied to any specific ecological outcome, fails to incorporate the best available science. As noted above, the updated plan needs to focus on the entire life cycle of affected species and multiple variables, such as predation, food, and habitat availability, and incorporate relevant current scientific information. Science alone cannot identify the best policy choice, but it can inform us about the policy tradeoffs we confront and help structure integrated solutions that provide ecosystem benefits with far less impact on water supply, the California economy and the public interest.

FUNCTIONAL FLOWS: A BETTER APPROACH

Sacramento Valley: Sacramento Valley water users and conservation partners are working together to advance a new generation of innovative projects to promote salmon recovery.

Over the past two and a half years, 12 projects have been completed through the Sacramento Valley Salmon Recovery Program to address fish passage, improve the timing of flows and increase habitat for salmon and other species. Priority projects have included removal of structural barriers to fish passage, modifying riffles, eliminating predator habitat, restoring floodplains and creating side channel spawning and rearing areas.

In addition, program partners are exploring creative ways to reconnect water with the land in floodplains and agricultural areas to enhance habitat and food production and create rearing habitat in rice fields.

While each of these collaborative projects provides independent value, implementation of the entire comprehensive suite is generating unique benefits that can significantly improve ecological outcomes for salmon in the Sacramento Valley.

Merced River: Merced Irrigation District has spent millions of dollars and decades undertaking intense and in-depth scientific research on the Merced River. This research has included analysis of flows, temperatures, biological resources and habitat. MID is poised to put this research into action through its Merced S.A.F.E. Plan (Salmon, Agriculture, Flows, and Environment) to provide certainty for both the environment and local water supply in Eastern Merced County.

The plan would provide increased flows using science to dictate the amounts and timing, restore critical sections of habitat for spawning and rearing juvenile salmon, protect local drinking water quality, upgrade an existing salmon hatchery with state-of-the-art facilities and reduce predation.

Based on in-depth science and technologically advanced computer modeling, MID seeks to take immediate action and dramatically benefit salmon on the Merced River.

- **Functional Flows:** Science shows that functional flows have very promising benefits for fish as well agricultural and urban water users. Timed and tailored for specific purposes, functional flows can benefit species in ways that unimpaired flow requirements cannot. Examples abound of collaborative, innovative projects currently underway by local water agencies and stakeholders that include functional flows and non-flow solutions that reconnect land and water to restore habitat and address the full life cycle of species needs. These efforts contribute real benefits to ecosystem recovery while maintaining water supply reliability.
- **Economic Considerations:** The State Water Board has a statutory obligation to consider economic impacts when establishing water quality objectives that reasonably protect all beneficial uses of water. Having a robust economic analysis is critical. The board also has a policy obligation under the coequal goals to ensure its actions related to a revised Bay-Delta Plan increase water supply reliability and thereby allow for a healthy, growing agricultural and urban economy in California.
- **Consistency with State Policy:** ACWA urges the State Water Board to heed the governor's direction and recognize that achieving the coequal goals will lead to a more reliable water supply and healthy ecosystem. Pursuing the coequal goals should be a guiding principle for the board's decisions related to adopting a revised Bay-Delta Plan. The State Water Board also should ensure that its decisions on the Bay-Delta Plan enable, rather than obstruct, the implementation of the California Water Action Plan.
- **Leadership:** The best policy choice will come through the give and take of the negotiating process and the enlightened leadership of the State Water Board members. Ultimately, the board must establish water quality objectives that ensure the reasonable protection of all beneficial uses of water as it implements negotiated solutions. The State Water Board should actively engage in this work and lead in a manner that is grounded in an awareness of how its actions can affect the implementation of the California Water Action Plan and the achievement of the coequal goals.

ACWA and its members have taken a strong policy position in support of comprehensive solutions such as those outlined in the California Water Action Plan. We stand ready to work with the Brown Administration to pursue the collaborative and comprehensive approaches needed to ensure a future for California that includes a vibrant agricultural and urban economy and a healthy ecosystem.



- REGION 6**
- Angiola WD
 - Corcoran ID
 - Firebaugh Canal WD
 - Fresno Metropolitan FCD
 - Henry Miller Rec. District #2131
 - Malaga County WD
 - Merced ID
 - Orange Cove ID

- REGION 7**
- Friant Water Authority
 - Rosamond CSD
 - Semitropic WSD
 - Tehachapi-Cummings County WD
 - Tulare ID
 - West Kern WD
 - Wheeler Ridge-Maricopa WSD

- REGION 8**
- Antelope Valley-East Kern WA
 - Calleguas MWD
 - Foothill MWD
 - Kinneloa ID
 - Las Virgenes MWD
 - Palmdale WD
 - Rowland WD
 - San Gabriel Valley MWD
 - Three Valley MWD
 - Walnut Valley WD
 - Ventura River WD

- REGION 9**
- Coachella Valley WD
 - Cucamonga Valley WD
 - Monte Vista WD
 - San Bernardino Valley WCD
 - San Gorgonio Pass WA

- REGION 10**
- Fallbrook PUD
 - Irvine Ranch WD
 - Mesa WD
 - Moulton Niguel WD
 - Santa Margarita WD
 - Vallecitos WD
 - Valley Center Municipal WD
 - Vista ID
 - Yorba Linda WD
 - East Orange County WD
 - Padre Dam MWD
 - Orange County WD
 - MWD of Orange County
 - Lakeside WD
 - Olivenhain MWD

- REGION 1**
- Hidden Valley Lake CSD

- REGION 2**
- Anderson-Cottonwood ID
 - Bella Vista WD
 - Browns Valley ID
 - City of Redding
 - Colusa County WD
 - Glen-Colusa ID
 - Kanawha WD
 - Orland-Artois WD
 - Princeton-Codora-Glenn ID
 - Reclamation District #1004
 - Rio Alto WD
 - South Sutter WD
 - Tehama-Colusa Canal Authority
 - Richvale ID
 - Yuba County WA

- REGION 3**
- Amador WA
 - Calaveras County WD
 - Calaveras PUD
 - El Dorado ID
 - Tahoe City PUD
 - Tuolumne Utilities District

- REGION 4**
- Banta-Carbona ID
 - Oakdale ID
 - San Juan WD
 - Solano ID
 - Stockton East WD
 - Dunnigan WD
 - Modesto ID
 - Carmichael WD
 - Sacramento Suburban WD

- REGION 5**
- Sunnyslope County WD
 - United Water Conservation District
 - Carpinteria Valley WD
 - Alameda County WA
 - Bay Area Water Supply and Conservation Agency