

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

Agenda

Wednesday, February 15, 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 January 18, 2017
 - b. FRCD Cash Flow Worksheet – January, 2017
 - c. Warrants Paid – January, 2017
 - d. Active Accounts – January, 2017
 - e. Bond Covenant Status for FY 2016-17 – January, 2017
 - f. Revenues and Expenses – Actual vs Budget FY 2016-17 – January, 2017
 - g. Cash Accounts – January, 2017
 - h. Consultants Expenses – January, 2017
 - i. Major Capital Improvement Projects – January, 2017

Associate Director Comment

Public Comment

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

3. [Committee Meetings](#) (Stefani Phillips, Board Secretary)

Associate Director Comment

Public Comment

4. [Regional Water Reliability Plan Contract](#) (Mark Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: Authorize the General Manager to execute a contract with the Regional Water Authority in the amount not-to-exceed \$13,000 for Phase 1 of the Regional Water Reliability Plan project

5. [Elk Grove Water District Operations Report – January 2017](#)

(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

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

Associate Director Comment

Public Comment

7. [Nomination of Elk Grove Water District Representatives for appointment to the Sacramento Central Groundwater Authority Board of Directors](#)

(Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: Nominate Mark Madison and Bruce Kamilos as the primary and alternate Elk Grove Water District representatives, respectively, to the Sacramento Central Groundwater Authority Board of Directors, subject to the final approval of the amendment to the joint powers agreement (SCGA Resolution No. 2016-10).

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

Associate Director Comment

Public Comment

9. **General Manager's Report** (Mark J. Madison, General Manager)

Associate Director Comment

Public Comment

10. **California Department of Conservation – Resource Conservation District Financial Assistance Program** (Mark Madison, General Manager)

Associate Director Comment

Public Comment

Recommended Action: Provide direction to staff on the desired area of focus when applying for funding from the California Department of Conservation – Resource Conservation District Financial Assistance Program

11. **Directors Comments**

12. **Closed Session**

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

Adjourn to Regular Meeting – to be determined.

February 15, 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 – i.

Summary

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

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

DISCUSSION

Background

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

Present Situation

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

FINANCIAL SUMMARY

N/A

Respectfully Submitted,


STEFANI PHILLIPS, BOARD SECRETARY AND
JIM MALBERG, TREASURER

Attachments

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

Wednesday, January 18, 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
Directors Absent: Jeanne Sabin
Staff Present: Mark J. Madison, General Manager; Bruce Kamilos, Assistant
General Manager; Stefani Phillips, Board Secretary; Jim Malberg,
Finance Manager; Donella Murrillo, Finance Manager; Sarah
Jones, Program Manager
Associate Directors Present: Mike Schmitz
General Counsel Present: Scott L. Shapiro, Downey Brand
Consultants Present: None

Public Comment

None

1. Temporary General Counsel Services

Mark Madison, General Manager, introduced Scott L. Shapiro, attorney with Downey Brand, and presented the temporary general counsel services to the Board. In summary, the Florin Resource Conservation District (FRCD) Board decided to change the regularly scheduled Board meeting day from the fourth Wednesday of each month to the third Wednesday of each month. Pursuant to that decision, the FRCD was informed that the District's General Counsel, Best Best & Krieger, is unavailable to provide general counsel services on the third Wednesday of each month due to scheduling conflicts with other clients.

Director Sophia Scherman inquired to Mr. Shapiro what their involvement would be to the District during this time. Mr. Shapiro responded stating, "Our understanding is that we are being hired on a temporary basis due to a scheduling conflict and that the District's general counsel is unable to make it to the meetings. The General Manager has made it clear that there is a limitation of what is being provided to us and the board has complete discretion to how it wants to go forward with general counsel or moving the meetings back so that the District's existing counsel can continue to represent the District. Downey Brand has a special counsel relationship with the Elk Grove Water District and we are happy to help and step in to preserve that special counsel relationship, but if the Board decides they would like something else, then Downey Brand is one of the water firms that would be happy to support."

Mr. Madison then explained the relationship the District previously had with Downey Brand to the Board.

MSC (Scherman/Medina) to authorize the General Manager to execute an engagement letter with Downey Brand in the not-to-exceed amount of \$20,000, for temporary General Counsel Services to be provided to the Florin Resource Conservation District/Elk Grove Water District 4/0: Ayes: Gray, Medina, Nelson, and Scherman.

2. Proclamations and Announcements

No comments were made.

3. Consent Calendar

- a. Minutes of Regular Board Meeting of December 14, 2016
- b. FRCD Cash Flow Worksheet – December, 2016
- c. Warrants Paid – December, 2016
- d. Active Accounts – December, 2016
- e. Bond Covenant Status for FY 2016-17 – December, 2016
- f. Revenues and Expenses – Actual vs Budget FY 2016-17 – December, 2016
- g. Cash Accounts – December, 2016
- h. Consultants Expenses – December, 2016
- i. Major Capital Improvement Projects – December, 2016

No items were pulled.

Chairperson Tom Nelson explained the need for Associate members to voice their comments.

Associate Mike Schmitz inquired what his participation level is as an alternate to various committees. Mr. Madison explained that the Board does not have discretion as a committee to make decisions and with that being said, an Associate can give as much input as a Board member.

MSC (Gray/Scherman) to approve FRCD Consent Calendar items a. - i. 4/0: Ayes: Gray, Medina, Nelson, and Scherman.

4. Elk Grove Water District Fiscal Year 2016-17 Quarterly Operating Budget Status Report

Jim Malberg, Finance Manager, presented the Elk Grove Water District Fiscal Year 2016-17 Quarterly Operating Budget Status Report to the Board.

Comments and inquiries include:

- Interest earned throughout the year (due to changing the investment strategy and moving investments to Federal securities) is at \$67,534 in comparison to \$20,000/year with no depreciation in risk.
- Retirement Benefits is at 73.72%.
- Repairs & Maintenance – Automotive, is high due to an unanticipated repair the District had earlier on in the year.
- Repairs & Maintenance – Computer, the District will be correcting a miscoding of \$9,300. Once the correction has taken place it will be moved to a different category and will level out.
- Materials are high and at 103.80% due to the development at Field Stone South. The revenue for this was recognized last year but the expenses were hit this year.
- Bank credit card fees are higher than anticipated for two reasons: (1) the company the District is dealing with have increased their fees and (2) the District is seeing more activity.

Mr. Madison stated that staff will be reviewing credit card fees and will bring it to the Board during budget for consideration.

5. Elk Grove Water District Fiscal Year 2016-17 Quarterly Capital Reserve Status Report

Jim Malberg, Finance Manager, presented the Elk Grove Water District Fiscal Year 2016-17 Quarterly Capital Reserve Status Report to the Board. In summary, through the second quarter of Fiscal Year 2016-17, the District has utilized \$311,131 on capital projects leaving a remaining total reserve balance at December 31, 2016 of \$10,984,641.

Chairperson Nelson suggested to look at election costs during budget.

6. Committee Meetings

Stefani Phillips, Board Secretary, presented the Committee Meetings to the Board. There were no committee meetings held for the month of December.

7. Security Infrastructure Capital Improvement Project

Bruce Kamilos, Assistant General Manager, presented the Security Infrastructure Capital Improvement Project to the Board. In summary, staff reviewed competitive proposals from three vendors and have determined that Bay Alarm is the lowest price, qualified, responsible bidder. The Florin Resource Conservation District Purchases of Goods and Services from Outside Vendor policy, requires purchases costing more than \$50,000. The cost of the purchase order is \$60,500.

Vice-Chairperson Bob Gray inquired if there will be a siren at each well site. Mr. Kamilos responded stating no.

Director Scherman inquired if the quality of the film is going to be better than what you see on TV. Mr. Kamilos responded stating no, but it is clear enough to see that it's a human breaking in. The District will be upgrading to high resolution cameras at the Railroad Water Treatment Plant.

Director Scherman suggested to add more lighting and security features to the Administration Building. Mr. Madison spoke on the security difficulties to the Administration Building.

Director Scherman commented to knock down the Administration Building and build a new one. Director Scherman would like to bring this item back as an agenda item at some point to a regular board meeting.

Director Scherman inquired if the District could opt out of the contract during the first sixty months. Mr. Kamilos responded stating staff will review before signing.

Mr. Shapiro, attorney with Downey Brand, suggested to check Bay Alarms terms for opting out.

MSC (Medina/Gray) to authorize the General Manager to execute a contract with Bay Alarm Company in the amount of \$9,200 for installation costs and \$855 per month for monitoring and maintenance over a lease term of 60 months 4/0: Ayes: Gray, Medina, Nelson, and Scherman.

8. Florin Resource Conservation District Conservation Activities Report

Mr. Madison presented the Florin Resource Conservation District Conservation Activities Report to the Board. In summary, staff met with the Department of Conservation staff to discuss the Resource Conservation District Financial Assistance Program. Staff has also started researching potential programs, or focus areas, to be presented to the Board.

Staff recommended to have a workshop on February 1, 2017 to discuss the potential programs that could be funded by this program.

MSC (Scherman/Medina) to conduct a workshop with staff on February 1, 2017 at 6:00 p.m. to review potential programs which could be funded by the Department of Conservation Resource Conservation District Financial Assistance Program 4/0: Ayes: Gray, Medina, Nelson, and Scherman.

Director Lisa Medina suggested to have outlook calendar invitations for meetings that are scheduled outside the regularly scheduled board meetings.

9. Water Usage and Conservation Report

Sarah Jones, Program Manager, presented the Water Usage and Conservation Report to the Board. In summary, for the month of December, service area 1 reduced its waters consumption by 25.91% in comparison to December 2013 usage. Service area 2 reduced by 53.52% for the same period. The combined reduction for both service areas was 37.94%.

Ms. Jones attended a public workshop with State Water Board and the State will be continuing the emergency water regulations. She stated that the drought regulations will continue through May 2017 and then the Water Board will reassess.

Mr. Madison commented that the final framework for the implementation of Governor Brown's Executive Order is expected to be released sometime in February.

Staff is proposing to form a Citizens Advisory Committee to address the implementation of the upcoming water conservation mandates. The circumstances to forming the Citizens Advisory Committee are as follows:

- The Committee is limited to 10 members of Elk Grove Water District Customers.
- If no more than 10 individuals apply, then all of the applicants be selected to participate.
- If more than 10 individuals apply, then 10 names of those that are Elk Grove Water District ratepayers be chosen at random by the Board Chairperson.
- Solicitations for the committee will be through a bill insert, an ad with the Elk Grove Citizen, and a notice on the District's website.

Director Scherman inquired who will chair the committee. She recommended Associate Schmitz to chair the committee. Associate Schmitz accepted the recommendation made by Director Scherman.

Mr. Shapiro, attorney with Downey Brand, inquired clarity on whether the committee was 10 plus the chair or 10 including the chair. The Boards consensus was 10 plus the chair.

Ms. Jones commented that staff will be meeting with Tully & Young to discuss the Water Shortage Contingency Plan.

Ms. Jones stated that the California Urban Water Conservation Council (CUWCC) has been dissolved. The voters voted that the organization will be changing direction, the MOU no longer valid, and B&P reporting is no longer required.

Mr. Madison provided background to the Board on the CUWCC.

Donella Murillo stated that the District pays \$3,350 for dues to the CUWCC.

MSC (Scherman/Medina) to direct staff to initiate the formation of a Citizens Advisory Committee to assist staff in advising the Board on how to implement the anticipated new water conservation mandates 4/0: Ayes: Gray, Medina, Nelson, and Scherman.

10. Elk Grove Water District Operations Report – December 2016

Mr. Madison presented summary points of the Elk Grove Water District Operations Report – December 2016 to the Board.

Summary Points:

- There were very few shut offs in December due to the holiday practice of not shutting people off during Christmas and New Year's.
- The District has continued to do a lot of hydrant maintenance and valve exercising.
- Wells 1D, 11D, 14D have been the main source of supply for Service Area 1. The shallow wells were not operated at all.
- Total production for Service Area 1 dropped approximately 4 million gallons from November and December.
- Total customer usage for EGWD (SA1 and SA2) is down compared to 2013. For the month of December, the District is down by 38%.
- The static and pumping water level data includes the fourth quarter measurements. The statics levels still show that the water table remains stable.
- There have been no problems with water quality or regulatory compliance.
- There were wastewater discharges from the Railroad Plant on December 9th and 10th and this was due to the painting of the backwash tank.
- All preventative maintenance activities have been performed and are in compliance with the District's standard operating procedures.
- The District's domestic service backflow prevention program is working well and there are only 6 delinquent customers.
- The District had 5 formal safety meetings and it has been 334 days since a reportable injury.
- The District's Utility crew is now working near Batey Avenue for service line replacements.
- There were 1 main line leaks and 2 service line leaks. The main line leak was a shear break which means that it was an actual pipe rupture. There was no property damage.
- Pressures in both Service Areas 1 and 2 have remained sufficient and balanced. The pressure in Sample Station Area 9 is somewhat high and this is controlled by the Sacramento County Water Agency. We suspect that this is due to heavy operations of their Vineyard Water Treatment Plant.
- The District recently experienced water damage at the Administration building. Services have been solicited from a contractor to correct the problem.

11. General Manager's Report

Mr. Madison presented the General Manager's Report to the Board. He reviewed the lists of FRCD activities and EGWD activities.

Mr. Madison commented that the State Water Resources Control Board will be issuing permits to water agencies to perform lead testing at school(s) (K-12), which will be done at

the request from the school(s). The State will contact the school(s), and then the State will contact the District in writing to perform the lead sampling. It will be the District's responsibility (physically and financially) to perform the lead testing at the school(s). District staff would like to be proactive and contact the school(s) before the State, regarding the permits and testing.

Ms. Phillips provided copies to the Board of the media release, "California Water Systems to Provide Lead Testing for Schools," from the State Water Resources Control Board.

Staff will bring Rob Swartz, RWA, to come and present RWA's Regional Water Reliability/Drought Contingency Plan to the Board at the regular board meeting in May. Director Scherman commented that she will be absent from May 4th to May 15th and will not be able to attend the regular board meeting in May.

Vice Chairperson Gray commented about an article he read that happened in Michigan stating that lead was not coming in through the water but instead it was being leached out of the internal pipes. Mr. Madison recalled the article and stated the following, "They switched there sources of supply and the source of supply they switch to was more corrosive then the previous source and they ran the water in those pipes for approximately 10 months. That cause the pipes to corrode inside and to leach out the lead that was contained in the lead pipes that was probably coded by residue inside the pipes."

12. Directors Comments

Director Scherman commented that she would like to switch her meetings with Mr. Madison to the Monday's before the board meeting.

Director Scherman inquired what the status was on the board workshop. Mr. Madison responded stating that the workshop is tentatively scheduled for April.

Director Scherman recommended to send flowers or send monetary funds to the scholarship in memory of Mary Lewis. Mr. Madison recommended not doing this because of public funds. Director Scherman then suggested to take up a collection of funds.

13. Closed Session

- a. PUBLIC EMPLOYEE PERFORMANCE EVALUATION (Section 54957)
Title: General Counsel
- b. PUBLIC EMPLOYEE PERFORMANCE EVALUATION (Section 54957)
Title: General Manager

There was nothing to report out of closed session.

Adjourn to Regular Meeting on February 15, 2017.

Respectfully submitted,

Stefani Phillips

Stefani Phillips, Board Secretary

SP/CR



**FRCD Cash Flow
For the Month Ended January 31, 2016**

| | |
|---------------------------------------------------------------------------------------------|---------------------|
| Cash in Bank – Beginning | \$ 61,954.18 |
| Interest Earned | |
| Disbursements: | |
| Check # 1011-Elk Grove Water District General Manager & PM Salary Allocation | -\$ 2,187.09 |
| Cash in Bank – Ending | \$ 59,767.09 |

Check History Report

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

| Check Number | Check Date | Vendor Number | Name | Check | Explanation |
|--------------|------------|---------------|------------------------------|-----------|---------------------------------------------------|
| 043641 | 1/11/2017 | ACWAJPI | CB&T/ ACWA-JPIA | 61,492.92 | January 2017-Medical Premiums |
| 043642 | 1/11/2017 | ACWAJPI | CB&T/ ACWA-JPIA | 22,861.00 | Worker's Compensation |
| 043643 | 1/11/2017 | AFLAC | AFLAC | 1,511.99 | |
| 043644 | 1/11/2017 | AIR RES | AIR RESOURCES BOARD-PERP REN | 1,150.00 | Statewide Portable Equipment Registration Program |
| 043645 | 1/11/2017 | ATT&T | AT&T MOBILITY | 307.76 | |
| 043646 | 1/11/2017 | BAY ALA | BAY ALARM COMPANY | 36.75 | |
| 043647 | 1/11/2017 | BAY ALA | BAY ALARM COMPANY | 324.45 | |
| 043648 | 1/11/2017 | BAY ALA | BAY ALARM COMPANY | 234.80 | |
| 043649 | 1/11/2017 | BEN RES | BENEFIT RESOURCE, INC | 100.00 | |
| 043650 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 115.00 | Sampling-Treatment |
| 043651 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 120.00 | Sampling-Treatment |
| 043652 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 120.00 | Sampling-Treatment |
| 043653 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 120.00 | Sampling-Treatment |
| 043654 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 120.00 | Sampling-Treatment |
| 043655 | 1/11/2017 | BSK4 | BSK ASSOCIATES | 12.00 | |
| 043656 | 1/11/2017 | CITY EG | CITY OF ELK GROVE | 77.85 | |
| 043657 | 1/11/2017 | COLE PA | COLE PARMER | 76.21 | |
| 043658 | 1/11/2017 | CONSOLI | CONSOLIDATED COMMUNICATIONS | 236.03 | Ethernet Service |
| 043659 | 1/11/2017 | CONSOLI | CONSOLIDATED COMMUNICATIONS | 1,265.65 | Phones-MOC/ADMIN |
| 043660 | 1/11/2017 | COOK | COOK ENGINEERING | 1,058.15 | Water Permit-Retund |
| 043661 | 1/11/2017 | COUNTY4 | SACRAMENTO COUNTY UTILITIES | 27.02 | |
| 043662 | 1/11/2017 | COUNTY4 | SACRAMENTO COUNTY UTILITIES | 109.70 | |
| 043663 | 1/11/2017 | CS BK | CARD SERVICES | 491.14 | Parking, Hotel (ACWA) |
| 043664 | 1/11/2017 | CS DM | CARD SERVICES | 50.72 | Materials-ADMIN |
| 043665 | 1/11/2017 | CS JC | CARD SERVICES | 1,264.84 | Materials/Supplies-Distribution |
| 043666 | 1/11/2017 | CS MJM | CARD SERVICES | 1,171.08 | Meals, Parking, Hotel (ACWA) |
| 043667 | 1/11/2017 | CS RS | CARD SERVICES | 758.64 | Materials/Supplies-Utility Crew |
| 043668 | 1/11/2017 | CS SJ | CARD SERVICES | 51.20 | Parking, Monthly Safety Program |
| 043669 | 1/11/2017 | CS SS | CARD SERVICES | 106.55 | Materials/Supplies-Treatment |
| 043670 | 1/11/2017 | DATAPRO | DATAPROSE LLC | 14,393.28 | Nov-Dec Billings |
| 043671 | 1/11/2017 | EG FORD | ELK GROVE FORD | 94.00 | |
| 043672 | 1/11/2017 | EG FORD | ELK GROVE FORD | 716.85 | |
| 043673 | 1/11/2017 | FERGUS | FERGUSON ENTERPRISES, INC | 31.04 | |
| 043674 | 1/11/2017 | FORD DO | DOWNTOWN FORD SALES | 40,082.71 | 2017-F250 Super Cab |
| 043675 | 1/11/2017 | FORD DO | DOWNTOWN FORD SALES | 50,948.22 | 2017- F450 Regular Cab |
| 043676 | 1/11/2017 | GOLDEN | GOLDEN STATE FLOW | 2,332.78 | |
| 043677 | 1/11/2017 | HRGA | THE HR GROUP ARCHITECTS | 6,039.41 | MTG.Rm & I.T. CTR |
| 043678 | 1/11/2017 | INT STA | INTERSTATE OIL COMPANY | 1,043.27 | Fuel |

| | | | | | |
|--------|-----------|---------|-------------------------------|-----------|---------------------------------|
| 043679 | 1/11/2017 | JAN PRO | JAN-PRO CLEANING SYSTEMS OF | 245.00 | |
| 043680 | 1/11/2017 | JAN PRO | JAN-PRO CLEANING SYSTEMS OF | 270.00 | |
| 043681 | 1/11/2017 | JAYS | JAY'S TRUCKING SERVICE | 1,896.10 | Materials/Supplies |
| 043682 | 1/11/2017 | JOE'S | JOE'S WORK WEAR | 65.75 | |
| 043683 | 1/11/2017 | NTS | NTS MIKEDON. LLC | 49.00 | |
| 043684 | 1/11/2017 | PACE | PACE SUPPLY CORP | 416.85 | |
| 043685 | 1/11/2017 | PACE | PACE SUPPLY CORP | 64.30 | |
| 043686 | 1/11/2017 | PIT 2 | PITNEY BOWES GLOBAL FINANCIAL | 11.29 | |
| 043687 | 1/11/2017 | RADIAL | RADIAL TIRE OF ELK GROVE | 118.01 | |
| 043688 | 1/11/2017 | RCB SP | CARD SERVICE CENTER | 161.28 | |
| 043689 | 1/11/2017 | RDO 1 | RDO TRUST # 80-5800 | 210.69 | |
| 043690 | 1/11/2017 | REPUBLI | REPUBLIC SERVICES #922 | 895.98 | |
| 043691 | 1/11/2017 | ROTH | ROTH STAFFING COMPANIES, L.P. | 578.15 | Temporary Customer Service Help |
| 043692 | 1/11/2017 | ROTH | ROTH STAFFING COMPANIES, L.P. | 672.32 | Temporary Customer Service Help |
| 043693 | 1/11/2017 | RWA | REGIONAL WATER AUTHORITY | 9,000.00 | RWA Lobby Subscription Program |
| 043694 | 1/11/2017 | SAC 5 | SACRAMENTO COUNTY | 19.00 | |
| 043695 | 1/11/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 85.86 | |
| 043696 | 1/11/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 34.46 | |
| 043697 | 1/11/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 163.81 | |
| 043698 | 1/11/2017 | SIGN CE | THE SIGN CENTER | 147.36 | |
| 043699 | 1/11/2017 | SMUD | SMUD | 842.83 | |
| 043700 | 1/11/2017 | SMUD | SMUD | 1,379.92 | |
| 043701 | 1/11/2017 | SMUD | SMUD | 3,000.02 | |
| 043702 | 1/11/2017 | SMUD | SMUD | 2,325.29 | |
| 043703 | 1/11/2017 | SMUD | SMUD | 9,904.94 | |
| 043704 | 1/11/2017 | SMUD | SMUD | 757.86 | |
| 043705 | 1/11/2017 | SMUD | SMUD | 492.93 | |
| 043706 | 1/11/2017 | SMUD | SMUD | 493.44 | |
| 043707 | 1/11/2017 | SMUD | SMUD | 338.49 | |
| 043708 | 1/11/2017 | SUMMIT | AIR WORKS INC | 121.00 | |
| 043709 | 1/11/2017 | SWRCB2 | SWRCB-DWOCB | 60.00 | |
| 043710 | 1/11/2017 | SWRCB2 | SWRCB-DWOCB | 110.00 | |
| 043711 | 1/11/2017 | TOSHIBA | TOSHIBA FINANCIAL SERVICES | 528.93 | Copier-ADMIN |
| 043712 | 1/11/2017 | ULTRA | ULTRA TRUCK WORKS, INC | 16.00 | |
| 043713 | 1/11/2017 | ULTRA | ULTRA TRUCK WORKS, INC | 42.88 | |
| 043714 | 1/11/2017 | ULTRA | ULTRA TRUCK WORKS, INC | 5.38 | |
| 043715 | 1/11/2017 | VERIZON | VERIZON WIRELESS | 416.70 | |
| 043716 | 1/11/2017 | W RODRI | WAYNE RODRIQUES | 162.50 | |
| 043717 | 1/11/2017 | WAC | WAC SOLUTIONS PARTNERS | 475.00 | |
| 043718 | 1/11/2017 | WEB | WEB SYNERGY TECH | 1,303.83 | Void |
| 043719 | 1/11/2017 | WEB | WEB SYNERGY TECH | 1,303.83- | Void |
| 043719 | 1/11/2017 | WILL SC | WILLIAM SCOTSMAN, INC. | 204.82 | |
| 043720 | 1/19/2017 | ACWAJPI | CB&T/ ACWA-JPIA | 59,850.96 | February 2017-Medical Premiums |
| 043721 | 1/19/2017 | AFLAC | AFLAC | 1,787.67 | |
| 043722 | 1/19/2017 | BAY ALA | BAY ALARM COMPANY | 36.75 | |
| 043723 | 1/19/2017 | BG SOLU | SOLUTIONS BY BG INC. | 5,000.90 | Daily Tasks/Help Tickets |
| 043724 | 1/19/2017 | BRINKS | BRINK'S INCORPORATED | 289.41 | |
| 043725 | 1/19/2017 | CCPPM | CCPPM | 64.80 | |
| 043726 | 1/19/2017 | COUNTY3 | COUNTY OF SACRAMENTO | 124.10 | |

| | | | | | |
|--------|-----------|---------|-------------------------------|-----------|-----------------------------------------------------------------------|
| 043727 | 1/19/2017 | DIVIS 5 | DIVISION 5-15, INC | 76,559.61 | Hampton WTP Improvements |
| 043728 | 1/19/2017 | EG FORD | ELK GROVE FORD | 94.00 | |
| 043729 | 1/19/2017 | HPS | HYDRAULIC POWER SALES INC. | 356.22 | |
| 043730 | 1/19/2017 | JOE'S | JOE'S WORK WEAR | 51.40 | |
| 043731 | 1/19/2017 | KLEEN | KLEEN INDUSTRIAL SERVICES | 41,122.78 | Media for Filter Train B |
| 043732 | 1/19/2017 | PAC BEN | PACIFIC BENEFIT CONSULTANTS, | 16.00 | |
| 043733 | 1/19/2017 | PAC BEN | PACIFIC BENEFIT CONSULTANTS, | 16.00 | |
| 043734 | 1/19/2017 | PEST | PEST CONTROL CENTER INC | 80.00 | |
| 043735 | 1/19/2017 | PEST | PEST CONTROL CENTER INC | 80.00 | |
| 043736 | 1/19/2017 | PETTY | PETTY CASH | 153.57 | |
| 043737 | 1/19/2017 | PG&E | PACIFIC GAS & ELECTRIC | 164.31 | |
| 043738 | 1/19/2017 | PURCH | PURCHASE POWER | 520.99 | Postage-ADMIN |
| 043739 | 1/19/2017 | RADIAL | RADIAL TIRE OF ELK GROVE | 46.07 | |
| 043740 | 1/19/2017 | RADIAL | RADIAL TIRE OF ELK GROVE | 763.29 | |
| 043741 | 1/19/2017 | ROTH | ROTH STAFFING COMPANIES, L.P. | 862.50 | |
| 043742 | 1/19/2017 | SAGE 2 | SAGE SOFTWARE INC | 6,124.75 | |
| 043743 | 1/19/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 33.60 | |
| 043744 | 1/19/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 217.05 | |
| 043745 | 1/19/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 5.14 | |
| 043746 | 1/19/2017 | SWRCB2 | SWRCB-DWOCP | 90.00 | |
| 043747 | 1/19/2017 | ULINE | ULINE | 44.73 | |
| 043748 | 1/19/2017 | ULTRA | ULTRA TRUCK WORKS, INC | 1,797.09 | Backup Alarm and lighting for new Trucks |
| 043749 | 1/19/2017 | WAT4 | WATER EDUCATION GROUP | 661.00 | Void |
| 043749 | 1/19/2017 | WAT4 | WATER EDUCATION GROUP | 661.00 | Void |
| 043750 | 1/19/2017 | WATKINS | ERICK WATKINS | 2,500.00 | Safety Consultant |
| 043751 | 1/19/2017 | WILL SC | WILLIAM SCOTSMAN, INC. | 173.68 | |
| 043752 | 1/19/2017 | ZOOM | ZOOM IMAGING SOLUTIONS, INC | 8.09 | |
| 043753 | 1/24/2017 | AIR QUA | AIR QUALITY | 764.00 | |
| 043754 | 1/24/2017 | BG SOLU | SOLUTIONS BY BG INC. | 2,607.66 | Emergency Generator Permit-ADMIN |
| 043755 | 1/24/2017 | CF LIP | LILY PHAN | 70.24 | Disaster Recovery-Off-site server storage/server hosting for Dec- Jan |
| 043756 | 1/24/2017 | CNAT | NORTH AMERICAN TITLE | 214.48 | Closed Account-Customer Refund |
| 043757 | 1/24/2017 | CRAUW | AUSTIN WILKINSON | 26.47 | Closed Account-Customer Refund |
| 043758 | 1/24/2017 | CRCHAT | CHAD THURSTON | 76.07 | Closed Account-Customer Refund |
| 043759 | 1/24/2017 | CRCRM | CHRIS & ROBIN MARTIN | 40.59 | Closed Account-Customer Refund |
| 043760 | 1/24/2017 | CRDMC | DENNIS MCTAGGART | 69.49 | Closed Account-Customer Refund |
| 043761 | 1/24/2017 | CRF NT | NORTH AMERICAN TITLE COMPANY | 56.79 | Closed Account-Customer Refund |
| 043762 | 1/24/2017 | CRF NT | NORTH AMERICAN TITLE COMPANY | 58.80 | Closed Account-Customer Refund |
| 043763 | 1/24/2017 | CRF STS | STEWART TITLE OF SACRAMENTO | 573.04 | Closed Account-Customer Refund |
| 043764 | 1/24/2017 | CRFLID | LILIE DOZIER | 102.63 | Closed Account-Customer Refund |
| 043765 | 1/24/2017 | CRJLH | JAMES & LINDA HAUGER | 16.82 | Closed Account-Customer Refund |
| 043766 | 1/24/2017 | CROCT | ORANGE COAST BLVD | 56.49 | Closed Account-Customer Refund |
| 043767 | 1/24/2017 | CRPPM | PROFESSIONAL PROPERTY | 4.18 | Closed Account-Customer Refund |
| 043768 | 1/24/2017 | CRSAJ | SARAH JULLERAT | 122.84 | Closed Account-Customer Refund |
| 043769 | 1/24/2017 | CRSTM | STACEY MAGEE | 44.49 | Closed Account-Customer Refund |
| 043770 | 1/24/2017 | DOWNEY | DOWNEY BRAND, LLP | 266.00 | Legal-Dec 2016 |
| 043771 | 1/24/2017 | FASTENA | FASTENAL COMPANY | 93.14 | |
| 043772 | 1/24/2017 | FERRELL | FERRELLGAS | 12.93 | |
| 043773 | 1/24/2017 | PACE | PACE SUPPLY CORP | 665.25 | Materials/Supplies-Distribution |

| | | | | | |
|--------|-----------|---------|-------------------------------|-------------------|------------------------------------------------------------|
| 043774 | 1/24/2017 | PACE | PACE SUPPLY CORP | 834.21 | Materials/Supplies-Distribution |
| 043775 | 1/24/2017 | PACE | PACE SUPPLY CORP | 880.67 | Materials/Supplies-Distribution |
| 043776 | 1/24/2017 | PACE | PACE SUPPLY CORP | 200.13 | Materials/Supplies-Bullheads |
| 043777 | 1/24/2017 | PACE | PACE SUPPLY CORP | 257.79 | Materials/Supplies-Utility Crew |
| 043778 | 1/24/2017 | TRENCH | TRENCH PLATE RENTAL CO | 58.70 | |
| 043779 | 1/24/2017 | UNITED | UNITED SITE SERVICES | 275.52 | |
| 043780 | 1/24/2017 | ZOOM | ZOOM IMAGING SOLUTIONS, INC | 373.80 | |
| 043781 | 1/25/2017 | BATTER | BATTERIES PLUS | 73.16 | |
| 043782 | 1/25/2017 | BAY 2 | BAY ALARM COMPANY | 720.00 | Repair MOC |
| 043783 | 1/25/2017 | BAY ALA | BAY ALARM COMPANY | 324.45 | |
| 043784 | 1/25/2017 | BES | BEAR ELECTRICAL SOLUTIONS | 3,017.00 | |
| 043785 | 1/25/2017 | FRONT C | FRONTIER COMMUNICATIONS | 220.29 | Repair Traffic Loop during bore shot potholing |
| 043786 | 1/25/2017 | FRONT C | FRONTIER COMMUNICATIONS | 168.69 | Well site communications-Alarm and Security |
| 043787 | 1/25/2017 | FRONT C | FRONTIER COMMUNICATIONS | 174.06 | Well site communications-Alarm and Security |
| 043788 | 1/25/2017 | GRAINGE | GRAINGER | 425.38 | Well site communications-Alarm and Security |
| 043789 | 1/25/2017 | INLAND | INLAND BUSINESS SYSTEMS | 291.50 | |
| 043790 | 1/25/2017 | INT STA | INTERSTATE OIL COMPANY | 1,408.03 | Fuel |
| 043791 | 1/25/2017 | PACE | PACE SUPPLY CORP | 1,055.95 | Materials/Supplies-Filter Media |
| 043792 | 1/25/2017 | RADIAL | RADIAL TIRE OF ELK GROVE | 319.63 | |
| 043793 | 1/25/2017 | TULLY | TULLY & YOUNG, INC. | 1,075.00 | UWMP |
| 043794 | 1/25/2017 | WHITE | HDS WHITE CAP CONST SUPPLY | 421.67 | |
| 043795 | 1/31/2017 | ALL STA | ALL STAR RENTS | 148.71 | |
| 043796 | 1/31/2017 | ALL STA | ALL STAR RENTS | 52.41 | |
| 043797 | 1/31/2017 | ALL STA | ALL STAR RENTS | 1,264.66 | Forklift Rental & Delivery to MOC |
| 043798 | 1/31/2017 | BEST | BEST, BEST & KRIEGER | 4,268.57 | Legal-Dec 2016 |
| 043799 | 1/31/2017 | BG SOLU | SOLUTIONS BY BG INC. | 5,000.90 | Daily Tasks/Help Tickets |
| 043800 | 1/31/2017 | CAP RUB | CAPITAL RUBBER | 81.49 | |
| 043801 | 1/31/2017 | CCPPM | CCPPM | 446.04 | |
| 043802 | 1/31/2017 | COUNTY4 | SACRAMENTO COUNTY UTILITIES | 73.82 | |
| 043803 | 1/31/2017 | CSI | CSI SERVICES, INC | 1,342.50 | Tanks & Vessels Recoating |
| 043804 | 1/31/2017 | EG FORD | ELK GROVE FORD | 10.90 | |
| 043805 | 1/31/2017 | EGWF | ELK GROVE WESTERN FESTIVAL | 500.00 | Elk Grove Western Festival- Application for Sponsorship |
| 043806 | 1/31/2017 | FASTENA | FASTENAL COMPANY | 46.45 | |
| 043807 | 1/31/2017 | GRAINGE | GRAINGER | 132.60 | |
| 043808 | 1/31/2017 | MONTIEL | MICHAEL MONTIEL | 188.07 | Clothing Reimbursement |
| 043809 | 1/31/2017 | NAT ANA | NATIONAL ANALYTICAL | 325.00 | Mold Testing-Front Office Copy Room |
| 043810 | 1/31/2017 | PACE | PACE SUPPLY CORP | 459.34 | |
| 043811 | 1/31/2017 | ROOCO | ROOCO RENTS | 22.68 | |
| 043812 | 1/31/2017 | ROTH | ROTH STAFFING COMPANIES, L.P. | 889.85 | Temporary Customer Service Help |
| 043813 | 1/31/2017 | SAC 5 | SACRAMENTO COUNTY | 19.00 | |
| 043814 | 1/31/2017 | SAC 5 | SACRAMENTO COUNTY | 19.00 | |
| 043815 | 1/31/2017 | SIERRA | SIERRA OFFICE SUPPLIES | 86.81 | |
| 043816 | 1/31/2017 | SWRCB2 | SWRCB-DWOCB | 60.00 | |
| 043817 | 1/31/2017 | WAC | WAC SOLUTIONS PARTNERS | 190.00 | |
| 043818 | 1/31/2017 | WILTON | WILTON RANCHERIA | 2,500.00 | Attorney's Fees for sale of Back Property at 9728 Kent St. |
| | | | | 483,519.44 | Total: |

Elk Grove Water District
Active Account Information
1/31/2017

| | 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 | | | | | |
| Commercial | 520 | 521 | 523 | 525 | 524 | 525 | 524 | | | | | |
| Fire Service | 174 | 174 | 175 | 175 | 175 | 175 | 175 | | | | | |
| Total Accounts | 12,364 | 12,369 | 12,369 | 12,500 | 12,483 | 12,479 | 12,479 | - | - | - | - | - |

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 Jan. 31, 2017

Operating Revenues:

| | |
|-----------------------------|--------------|
| Charges for Services | \$ 8,572,713 |
|-----------------------------|--------------|

Operating Expenses:

| | |
|-------------------------------------|-----------|
| Salaries & Benefits | 2,138,704 |
| Seminars, Conventions and Travel | 18,403 |
| Office & Operational | 588,922 |
| Purchased Water | 1,729,896 |
| Outside Services | 311,760 |
| Equipment Rent, Taxes, an Utilities | 205,964 |
| Total Operating Expenses | 4,993,649 |

| | |
|-------------------------------|----------------------------|
| Income From Operations | <u><u>\$ 3,579,064</u></u> |
|-------------------------------|----------------------------|

| | |
|-------------------------------|-------------|
| Interest & Principal Payments | |
| 1,757,900+1,440,000 | 1,865,442 * |

Debt Service Coverage Ratio:

| | |
|-----------------|-------------|
| Actual | 1.92 |
| 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
January 31, 2017

| General Ledger Reference | January Activity | January Budget | Variance | % | YTD Activity | Annual Budget | Variance | 7/12=58.33% | |
|--------------------------------------------------------------------|------------------|----------------|-----------------|---------------|--------------------|--------------------|----------------------|---------------|----------|
| | | | | | | | | % | Realized |
| Revenues | 1,033,548 | 1,131,291 | (97,743) | -8.64% | \$8,572,713 | \$13,575,497 | (\$5,002,784) | 63.15% | |
| Salaries & Benefits (1) | 375,639 | 299,617 | 76,022 | 25.37% | \$2,138,704 | \$3,595,403 | (\$1,456,699) | 59.48% | |
| Seminars, Conventions and Travel | 2,294 | 3,714 | (1,420) | -38.22% | \$18,403 | \$44,570 | (\$26,167) | 41.29% | |
| Office & Operational | 54,592 | 87,132 | (32,540) | -37.35% | 588,922 | \$1,045,589 | (\$456,667) | 56.32% | |
| Purchased Water (2) | 184,454 | 243,561 | (59,107) | -24.27% | \$1,729,896 | \$2,922,734 | (\$1,192,838) | 59.19% | |
| Outside Services | 37,526 | 71,150 | (33,624) | -47.26% | 311,760 | \$853,800 | (\$542,040) | 36.51% | |
| Equipment Rent, Taxes, Utilities | 23,775 | 32,068 | (8,292) | -25.86% | 205,964 | \$384,813 | (\$178,849) | 53.52% | |
| Total Operational Expenses | 678,281 | 737,242 | (58,961) | -8.00% | \$4,993,648 | \$8,846,909 | (\$3,853,261) | 56.45% | |
| Net Operations | 355,267 | | | | \$3,579,065 | \$4,728,588 | (\$1,149,523) | 75.69% | |
| Non-Operating Revenue | 2,731 | 8,333 | (5,602) | | 70,265 | 100,000 | (29,735) | 70.27% | |
| Interest Earned | 183 | 2,214 | (2,031) | | 21,231 | 26,566 | (5,335) | 79.92% | |
| Other Income | | | | | 91,496 | 126,566 | (35,070) | 72.29% | |
| Non-Operating Expenses | | | | | | | | | |
| Election Costs | - | 9,000 | 9,000 | | 126,527 | 108,000 | 18,527 | 117.15% | |
| Capital Equipment & Expenditures | 141,667 | 141,667 | 0 | | 991,667 | 1,700,000 | (708,333) | 58.33% | |
| Bond Interest Accrued | 146,492 | 146,492 | 0 | | 1,025,442 | 1,757,900 | (732,458) | 58.33% | |
| | | | | | 2,017,108 | 3,457,900 | (1,440,792) | 58.33% | |
| Revenues in Excess of Expenditures (Net Revenues) | 70,023 | | | | 1,653,453 | 1,397,254 | 256,199 | | |
| Capital Contributions | | | | | 991,667 | 1,700,000 | (708,333) | 58.33% | |
| Capital Expenses | | | | | 350,038 | 1,384,000 | (1,033,962) | 25.29% | |
| Capital Improvements | | | | | 57,719 | 1,044,000 | (986,281) | 5.53% | |
| Capital Replacements | | | | | 91,031 | 120,000 | (28,969) | 75.86% | |
| Equipment | | | | | 840,000 | 1,440,000 | (600,000) | 58.33% | |
| Bond Retirement: | | | | | 1,338,788 | 3,988,000 | (2,649,212) | 33.57% | |
| Total Capital And Debt Retirement Expenditures | | | | | 1,306,331 | (890,746) | 2,197,077 | | |
| Net Position after Capital and Debt Retirement Expenditures | | | | | | | | | |

(1) Approximately \$112,467 of the budgeted \$528,352 of salary & benefit expenses has been capitalized to various capital projects.
(2) Estimated Expenditures: Purchased Water 187,992.27 in Dec. 2016 and \$184,454.47 in Jan. 2017

Florin Resource Conservation District
CASH - Detail Schedule of Investments
1/31/2017

| G/L Account : Fund | Account number / name | Investment Name | Investment Type | Restrictions | Market Value |
|------------------------------|-------------------------------------------------|-----------------------|-----------------|-----------------|------------------------|
| Held by BOND TRUSTEE: | | | | | |
| 1103-000-20 Water | BNY 113757 FRCD 2002 INST PMT SER B | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 2.00 |
| 1102-000-20 Water | BNY 113759 FRCD 2002 INST PMT SER B | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 1.01 |
| 1123-000-20 Water | BNY 113756 FRCD INST PMT SER A | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 3.47 * |
| 1111-000-20 Water | BNY 113585 FRCD 2005 A INST PM | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 192,434.84 * |
| 1112-000-20 Water | BNY 113587 FRCD 2005 A RES FD | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 1.00 |
| 1001-000-20 Water | BNY 743849 FRCD 2016A COI | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 23,350.04 |
| | BNY 743850 FRCD 2016A DEBT SERVICE | Dreyfus Inst Treasury | MM Mutual Fund | Restricted | 0.00 |
| | | | | Subtotal | \$ 215,792.36 |
| | Cash on Hand | | | Unrestricted | \$ 300.00 |
| Held by F&M BANK: | | | | | |
| 1011-000-10 FRCD | F&M 08-032009-01 CHECKING ACCOUNT | | | Unrestricted | 59,767.09 * |
| 1010-000-20 Water | RCB 1111063486 GENERAL CHECKING | | | Unrestricted | 9,561.93 * |
| 1031-000-20 Water | F&M 08-032017-01 OPERATING ACCOUNT | | | Unrestricted | 722,890.91 * |
| 1061-000-20 Water | F&M 08-032912-01 CREDIT CARD ACCOUNT | | | Unrestricted | 387,841.89 * |
| 1071-000-20 Water | F&M 08-032890-01 PAYROLL ACCOUNT | | | Unrestricted | 127,523.55 * |
| | F&M 08-032920-01 DRAFTS ACCOUNT | | | Unrestricted | 426,837.13 * |
| | | | | Subtotal | \$ 1,734,422.50 |
| INVESTMENTS | | | | | |
| 1080-000-20 Water | Office of the Treasurer - Sacramento California | LAIF | Investment Pool | Unrestricted | \$ 501,545.24 |
| 1081-000-20 Water | CAL Trust Short Term | | Investment | Unrestricted | \$ 1,006,343.05 |
| 1082-000-20 Water | CAL Trust Medium Term | | Investment | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
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| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
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| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734,422.50 |
| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
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| | | | | Unrestricted | \$ 501,545.24 |
| | | | | Unrestricted | \$ 1,006,343.05 |
| | | | | Unrestricted | \$ 1,256,396.50 |
| | | | | Subtotal | \$ 1,734, |

Consultant Expenses
 January 31, 2017

Fiscal Retainer Contracts

| Consultant | Description | Current Month | Paid to date | Budget/Contract Amount | Percent of year (58%) |
|-----------------------|-------------|---------------|--------------|------------------------|-----------------------|
| Best Best, & Krieger | Task orders | 4,269 | 31,812 | 130,000 | 24.47% |
| Solutions by BG, Inc. | Task orders | 10,002 | 75,450 | 130,100 | 57.99% |

Project Specific Contracts

| Consultant | Description | Current Month | Paid to date | Budget/Contract Amount | Percent of Contract Amount |
|------------------|-------------|---------------|--------------|------------------------|----------------------------|
| Downey Brand LLP | Task orders | 266 | 28,788 | 75,000 | 38.38% |

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

| Capital Project | Total Project Budget | Expenditures to Date * | Percent Spent |
|----------------------------------------------|-----------------------------|-------------------------------|----------------------|
| Service Line Replacements | \$500,000 | \$305,305 | 61.06% |
| 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 | 252,515 | 92,221 | 36.52% |
| Truck Replacements | 120,000 | 91,031 | 75.86% |
| RRWTF Modular Meeting Room & IT Center | 125,000 | 30,088 | 24.07% |
| Fiber Optic Cable | 135,000 | 3,350 | 2.48% |
| Emergency Generator Admin Bldg. | 50,000 | 764 | 1.53% |
| Well Rehabilitation Program (one-per year) | 90,000 | 4,703 | 5.23% |
| Media Replacement Filter Vessels | 100,000 | 44,676 | 44.68% |
| RRWTF Tanks and Vessels Recoating | 350,000 | 17,570 | 5.02% |
| Sub-Total | \$2,201,515 | \$1,130,280 | 51.34% |

*Includes \$112,467 of capitalized labor in FY 2016-17

February 15, 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. No committee meetings were held in the month of January.

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 Chuck Dawson. The committee meeting minutes shall be accepted by the FRCD Board of Directors.

Present Situation

No committee meetings were held in the month of January.

FINANCIAL SUMMARY

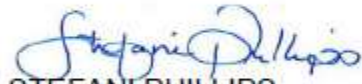
There is no financial impact associated with this item at this time.

February 15, 2017

COMMITTEE MEETINGS

Page 2

Respectfully Submitted,



STEFANI PHILLIPS,
BOARD SECRETARY

Attachment

February 15, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **REGIONAL WATER RELIABILITY PLAN CONTRACT**

RECOMMENDATION

It is recommended that the Board of Directors of the Florin Resource Conservation District authorize the General Manager to execute a contract with the Regional Water Authority in the amount not-to-exceed \$13,000 for Phase 1 of the Regional Water Reliability Plan project.

Summary

The Elk Grove Water District (EGWD) is a member and active participant of the Regional Water Authority (RWA). The RWA is a joint powers authority representing the collective interests of two dozen water providers and affiliates in the greater Sacramento region. The Regional Water Reliability Plan (RWRP) is a two-phased project to improve the reliability of water supplies among the project participants. The RWRP is estimated to cost \$821,000 of which \$361,000 will be funded through a grant. The remaining not-to-exceed \$460,000 will be funded by the project participants. The total funding for Phase 1 to be provided by project participants is not-to-exceed \$276,000. The proposed cost share for the EGWD is a not-to-exceed amount of \$13,000.

The EGWD currently makes annual payments to RWA for the following: RWA annual membership (\$22,019), the RWA Lobbying Program (\$9,000), the RWA Water Efficiency Category 1 Program (\$13,469), and the Powerhouse Science Center (\$1,754) for contributions totaling \$46,242. The contract for the RWRP project with a not-to-exceed value of \$13,000 will cumulatively exceed the General Manager's signing authority of \$50,000 for purchases of goods and services. Therefore, staff is bringing to the Board of Directors a request and recommendation for the Board to authorize the General Manager to execute the attached RWRP contract in the amount not-to-exceed \$13,000.

REGIONAL WATER RELIABILITY PLAN CONTRACT

Page 2

DISCUSSION

Background

The EGWD is an active participant of the RWA. The RWA is a joint powers authority representing the collective interests of two dozen water providers and affiliates in the greater Sacramento region. The RWA has built a reputation of leading successfully on important regional and state-related water issues.

Present Situation

The RWA is preparing the RWRP to improve the reliability of water supplies throughout the region. Even though EGWD is not yet a participant on this project, EGWD staff attended the introductory RWRP project meetings along with representatives of nearly all of the other RWA members.

The key elements of the RWRP are: 1) evaluating the ability of regional water agencies to implement mitigation actions to prevent water supply shortages, 2) identifying additional regional water supply yield from implementing mitigation actions, 3) advancing the concept of establishing a Regional Water Bank to more effectively use the groundwater basin as a long-term water storage reservoir, 4) identifying funding opportunities and strategies to implement mitigation actions, and 5) develop a template for water shortage contingency plans. Staff believes that the RWRP is an important project with the potential to strengthen the regional water supply, and particularly, begin important work toward developing a Regional Groundwater Bank. For this reason, staff recommends that the EGWD be a participant in the RWRP project.

The RWRP is estimated to cost \$821,000 of which \$361,000 will be funded through a grant. The remaining not-to-exceed \$460,000 will be funded by the project participants. The total funding for Phase 1 to be provided by project participants is not-to-exceed \$276,000. The proposed cost share for the EGWD is a not-to-exceed amount of \$13,000.

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February 15, 2017

REGIONAL WATER RELIABILITY PLAN CONTRACT

Page 3

Directors a request and recommendation for the Board to authorize the General Manager to execute the attached RWRP contract in the amount not-to-exceed \$13,000.

ENVIRONMENTAL CONSIDERATIONS

The RWRP is not considered a project as defined by the California Environmental Quality Act (CEQA). Consequently, no CEQA action is required.

STRATEGIC PLAN CONFORMITY

The action in this staff report conforms to the FRCD/EGWD's 2012-2017 Strategic Plan. The Strategic Plan directs the FRCD/EGWD to provide its customers with a reliable water supply.

FINANCIAL SUMMARY

This item, if approved, would result in a not-to-exceed operating expense of \$13,000 chargeable to Outside Services in the Fiscal Year 2016-17 annual budget.

Respectfully submitted,


MARK J. MADISON
GENERAL MANAGER

MJM/bmk

Attachment

Attachment 1

REGIONAL WATER AUTHORITY PROJECT AGREEMENT

REGIONAL WATER RELIABILITY PLAN

This Agreement is made and entered into as of the ____ day of _____, 2017, by and between the Regional Water Authority (“RWA”), a joint exercise of powers authority formed under California Government Code section 6500, and following, and the Members and Contracting Entities of RWA listed in Exhibit 1 to this Agreement, upon their execution of this Agreement (who are collectively referred to in this Agreement as “Participants”), to provide for carrying out a project or program that is within the authorized purposes of RWA, and sharing in the cost and benefits by the Participants.

RECITALS

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

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

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

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

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

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

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

- 1. Recitals Incorporated.** The foregoing recitals are hereby incorporated by reference.
- 2. Defined Terms.** Terms defined in the RWA JPA will have the same meaning in this Agreement.
- 3. Description of the Project.** The project (“Project”) that RWA and the Participants desire to carry out is the development of a Regional Water Reliability Plan (“RWRP”) to improve the reliability of water supplies of the Participants. To achieve time and cost efficiencies, this RWRP is being integrated with an existing effort to develop a Regional Drought Contingency Plan (“RDCP”) among five large municipal water agencies^a with United States Bureau of Reclamation water service or settlement contracts that will also participate in the RWRP. A more detailed scope of work, schedule, and budget for the RWRP is attached hereto as Exhibit 2 (“Project Description”).
- 4. Project Committee.** The Participants hereby form a Project Committee consisting of one representative (and alternates) designated by each Participant. The Project Committee will meet as necessary from time to time to administer and implement this Agreement on behalf of the Participants. A majority of the members of the Project Committee will constitute a quorum, and a majority of the members of the Project Committee will be required for an affirmative vote to take action on behalf of the Participants.
- 5. Sharing in Project Costs and Benefits.** The total estimated cost to complete the Project is estimated at \$821,000. Of that total, \$361,000 is funded through an RDCP grant, an existing RWA designation for integrated water management, and RDCP Participant and RWA in-kind services. While it is anticipated that other sources of funding will be pursued during development of the RWRP, the Participants will be responsible for funding up to the not-to-exceed identified funding need of \$460,000. Project funds will be collected over multiple phases from the Participants, with a Phase 1 collection total of \$276,000. The remaining funds will be collected if attempts to secure additional funding from other sources are unsuccessful. Additional phases of collecting funds from the Participants will not occur prior to July 1, 2017. The existing sources of funds, funding levels of the Participants, Phase 1 assessments, and not-to-exceed budgets for each Participant are further described and attached hereto as Exhibit 3

^a The RDCP agencies include: Placer County Water Agency, the cities of Folsom, Roseville, and Sacramento, and San Juan Water District.

(“Financing Plan”). Each of the Participants will make one or more payments to RWA for completion of the Project.

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

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

7. Authorization to Proceed with the Project. The Project is authorized to proceed upon the commitment of \$100,000 from Project Participants to fund initial Project costs. Upon execution of this Agreement, the Participants agree to fund portion of the Project costs in an amount and manner as described in Exhibit 3 (“Financing Plan”) to this Agreement.

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

9. Withdrawal. A Participant may withdraw from this Agreement without requiring termination of this Agreement, effective upon ninety days’ notice to RWA and the other Participants, provided that, the withdrawing Participant will remain responsible for any indebtedness incurred by the Participant under this Agreement prior to the effective date of withdrawal.

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

11. General Provisions. Any notice to be given under this Agreement may be made by: (a) depositing in any United States Post Office, postage prepaid, and shall be deemed received at the expiration of 72 hours after its deposit; (b) transmission by facsimile copy; (c) transmission by electronic mail; or (d) personal delivery. This Agreement shall be governed by the laws of the State of California. This Agreement may be executed by the parties in counterpart, each of which when executed and delivered shall be an original and all of which together will constitute one and the same document.

The foregoing Regional Water Reliability Plan Project Agreement is hereby agreed to by RWA and the Participants.

Dated: _____, 2017

_____, 2017

Signature

Signature

Name

Name

Regional Water Authority

Agency

EXHIBIT 1

PROJECT PARTICIPANTS

REGIONAL WATER AUTHORITY

REGIONAL WATER RELIABILITY PLAN PROJECT

Agency (Proposed)

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

EXHIBIT 2
PROJECT DESCRIPTION
REGIONAL WATER AUTHORITY
REGIONAL WATER RELIABILITY PLAN PROJECT

REGIONAL WATER AUTHORITY REGIONAL WATER RELIABILITY PLAN

SCOPE OF WORK / SCHEDULE / BUDGET

A. SCOPE OF WORK

This scope of work includes both North American Basin Regional Drought Contingency Plan (RDCP) and Regional Water Authority Regional Water Reliability Plan (RWRP) activities. Some tasks/subtasks are combined efforts, while others apply to only one plan.

Task 1 – Vulnerability Assessment

This is a combined RDCP/RWRP activity.

Purpose:

This task will evaluate the risks and impact of current and future drought in the RDCP and RWRP areas. Assessment of the region’s vulnerabilities in terms of its water supply reliability will be conducted for each of the 22 RWA member agencies¹, 2 RWA associate member agencies², and 1 water agency that is not an RWA member³ to allow for more complete assessment of potential mitigation and response actions that can leverage regional collaboration and coordinated actions.

Due to the limited timeframe for completion of the RDCP and RWRP, collecting the information and data needed to develop the Vulnerability Assessment, RDCP, and RWRP must be done efficiently and make effective use of existing and readily available sources. It is anticipated that sources will include regional, State, and federal studies and datasets; local agency information; existing modeling datasets.

A survey/questionnaire template will be developed. Existing and available information will be reviewed and summarized before finalizing the survey questions. This will allow for most efficient use of the resources and agency staff time. Summarized information will be distributed for each agency prior to its survey to allow for verification of the developed information.

Assumptions:

- One interview per agency (total of up to 25 agencies)
- Maximum of two follow-up calls/emails per agency to acquire outstanding information/data
- Agencies will provide requested information, data, and other materials in a timely manner and be responsive to follow-up communications
- Information and data from the interviews and follow-up communications will be included in the RDCP or RWRP

¹ RWA member agencies in the RDCP area include: California American Water Company, Carmichael Water District, Citrus Heights Water District, City of Folsom, City of Lincoln, City of Roseville, City of Sacramento, Del Paso Manor Water District, Fair Oaks Water District, Golden State Water Company, Orange Vale Water Company, Placer County Water Agency, Rio Linda/Elverta Community Services District, Sacramento County Water Agency, Sacramento Suburban Water District, San Juan Water District.

Additional RWA member agencies in the RWRP area include: City of West Sacramento, City of Yuba City, El Dorado Irrigation District, Elk Grove Water District, Rancho Murieta Community Service District, Woodland-Davis Clean Water Agency.

² RWA associate member agencies in the RWRP area include: El Dorado County Water Agency and Sacramento Regional County Sanitation District.

³ Natomas Central Mutual Water Company will also be interviewed because its has the potential for key mitigation measures in the RWRP and RDCP.

Description:

Vulnerability assessment is the process of identifying, quantifying, and prioritizing the key factors that can negatively affect water supply reliability. The vulnerability assessment process involves the following activities:

(1) Develop Agency Water Supply Portfolio –

Develop summary of each agency's water rights and contract entitlements, groundwater production capacity, and recycled water. Assess the priority and place of use restrictions for surface water rights, and reliability of contract entitlements.

Using historical water use information and other available information, develop an estimate of total water demands under existing and projected future demands at build-out (2035). Estimate total source capacity and storage capacity (i.e., surface water, groundwater pumping capacity, available storage, and interconnections). Compare total source capacity with estimated water demands for existing and future demand conditions, and under dry and average hydrologic conditions. This comparison will be developed for each agency to highlight the demand variability throughout the course of year, and variability of supplies across multiple years of different hydrological conditions.

(2) Inventory Major Regional Water Infrastructure & Interties –

Develop an inventory of key water infrastructure assets (diversions, interties, water treatment, groundwater wells, etc.). A geographical information system (GIS) based map of major regional water infrastructure will be developed to identify the current ability to move water around the region. Data in the map will include water system interconnections between agencies, as well as information on major pipelines and system operating pressures. Status of system fluoridation will also be identified, as it is a key barrier for regional interconnections. This information will be used to characterize the adequacy of regional conveyance capacities and interconnections.

(3) Establish Agency's Preference for Level of Service and Type of Mitigation –

For each agency, establish two levels of desired service – (1) a minimum water supply reliability threshold under extreme drought conditions, and (2) a preferred level of service (slightly above the minimum) – and both a short-term and long-term outlook. These thresholds will be used to measure the degree of vulnerability facing each agency from the various threats. As part of the survey, gauge each agency preference for the various types of mitigation actions, and establish any policy limitations on its participation in certain actions (e.g., fluoridated supplies).

(4) Identify Potential Vulnerabilities –

Assess vulnerabilities of water supply reliability under conditions of:

- Hydrologic and regulatory droughts (low reservoir storage, low precipitation and snow pack, water rights curtailments, water contract entitlement reductions, state-mandated conservation targets)
- Future climate change using the existing climate impacts assessment included in the American River Basin Integrated Regional Water Management Plan (ARB IRWMP). Additionally, information from recently completed Reclamation basin study of the Sacramento and San Joaquin Basins will be used to inform vulnerabilities under future climate conditions.

Summarize other identified regional water treatment and delivery challenges, and highlight agency-specific needs.

Identify the key vulnerabilities and organize them into logical categories that facilitate identification and evaluation of potential mitigation and response actions. Examples of potential categories include: treatment facility conditions, treated water conveyance and interconnections, untreated water conveyance, operational efficiency and utilization, and institutional/regulatory.

Development of Data/Information Needs and Conduct of Water Agency Interviews:

- Develop a consolidated list of information and data needed and sources (from Subtasks 2.1, 2.2, and 8.4, and the RDCP portion of Task 3)
- Develop survey/questionnaire template
- For each agency, pre-populate survey/questionnaire with existing and readily available information
- Schedule and conduct 23 interviews
- Conduct agency follow-up (as needed)

Deliverables:

| Deliverable | Included in: | |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| List of information and data needed and sources – electronic copy | ✓ | ✓ |
| Draft agency survey/questionnaire template – electronic copy | ✓ | ✓ |
| Revised agency survey/questionnaire template – electronic copy | ✓ | ✓ |
| Pre-populated surveys/questionnaires (by agency) – electronic copy for email; 2 hard copies of each survey/questionnaire for interview | ✓ | ✓ |
| Brief Interview Summaries – electronic copies | ✓ | ✓ |
| Draft Vulnerability Assessment TM – electronic copy | ✓ | ✓ |
| Final Vulnerability Assessment TM – electronic copy | ✓ | ✓ |

Task 2 – Mitigation Actions and Response Actions

Subtask 2.1 Mitigation Actions

This is a combined RDCP/RWRP activity.

Purpose:

This task will identify, evaluate, and prioritize actions and activities to improve the region’s resiliency in the face of drought conditions. In particular, the vulnerabilities identified in Task 1 will be used to develop mitigation actions.

Description:

This task include the following activities:

(1) Identify Mitigations Actions –

Identification of mitigation actions will be through facilitated workgroup meetings among the water agencies to discuss their vulnerabilities (identified above) and then begin identifying potential actions. Prior to workgroup meetings, a potential range of mitigation actions will be identified from existing regional plans and studies (e.g., the ARB IRWMP, Urban Water Management Plans). This range of actions will be summarized and used a starting points for workgroup discussions. It is anticipated that up to four (4) workgroup meetings will be conducted for the water agencies. In addition, Reclamation input will be used identify what range of actions are appropriate to explore with respect to coordinated local and Federal actions.

The range of mitigation actions will include:

- Structural improvements
- Operational improvements
- Institutional/Administrative improvements

(2) Develop Evaluation Criteria and Metrics –

To evaluate the identified mitigation actions, evaluation criteria and metrics will be developed. The evaluation criteria will be cover the following considerations:

- Achieving and maintaining the reliability in water supply threshold (desired level of service) under various hydrologic conditions.
- Meeting both short-term and long-term growth needs, and providing flexibility to address uncertainty from the dynamic urban growth
- Protecting the groundwater basin by pumping within the long-term average annual sustainable yield, as defined in the Water Forum Agreement.
- Maintaining compatibility with existing and planned water supply infrastructure
- Leveraging regional solutions to achieve resiliency goals for multiple agencies in a cost-efficient matter.
- Implementation complexity and practicability

The evaluation criteria will be vetted and refined by the participating agencies during the workgroup meetings planned for developing the mitigation actions.

(3) Preliminary Screening of Mitigation Actions –

The developed evaluation criteria will be used to evaluate the mitigation actions. The evaluation will be conducted using available information and done at conceptual levels. The purpose of this high level evaluation is to identify major flaws or undesirable attributes of the compiled mitigation actions, which will be eliminated from further considerations.

(4) Prioritization of Mitigations Actions –

The screened mitigation actions will be further evaluated to assess implementation requirements, costs, and how whether these actions can be implemented by individual agencies or are part of a broader regional actions (e.g., federally recognized groundwater bank). Additional synergy and discord among different alternatives will be also reviewed and reported.

Evaluation of screened mitigation actions will not involve detailed hydraulic analysis for facility planning, or detailed operation modeling of the integrated surface water and groundwater resources. Spreadsheet tools will be used to post process information from existing studies and available historical data.

The mitigation actions will be classified into short-, mid-, and long-term actions. The actions will also be grouped into actions by single agency, by multiple adjacent agencies, and broad regional actions. The result of the evaluation and classification of mitigation actions will be used prioritize the mitigation actions for implementation.

Deliverables:

| Deliverable | Included in: | |
|-----------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft Mitigation Actions TM – electronic copy | ✓ | ✓ |
| Final Mitigation Actions TM – electronic copy | ✓ | ✓ |

Subtask 2.2 – Response Actions

This is a combined RDCP/RWRP activity.

Purpose:

This task will identify, evaluate, and prioritize response actions and activities that can expeditiously mitigate impacts during an ongoing drought.

Description:

The task will include the following activities:

(1) Summarize Water Shortage Contingency Plans –

This task involve collecting existing water shortage contingency plans in the RDCP and RWRP areas. These water shortage plans identify specific trigger and water cutback requirements based on water supply stages. These response actions will be organized into logical categories to facilitate comparison.

(2) Develop Regional Response Actions –

Based on a review and summary of existing water shortage stage actions, recommended regional response actions related to the drought monitoring framework (Subtask 8.4) will be developed.

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft Response Actions TM – electronic copy | ✓ | ✓ |
| Final Response Actions TM – electronic copy | ✓ | ✓ |

Task 3 – Conjunctive Use Program Operational Analysis

This is a combined RDCP/RWRP activity.

Purpose:

Evaluating larger conjunctive use opportunities and a groundwater bank will require an understanding of the conjunctive use potential of the groundwater basin. This task will use existing and available information to gain a high-level understanding of the capacity of the North and South American River groundwater basins for these activities.

Description:

This task includes the following activities:

(1) Characterize the Groundwater Basin Storage Potential –

- Describe and illustrate the storage potential of the groundwater basins underlying the Sacramento Groundwater Authority, the Western Placer County Partnership Area, and the Sacramento Central Groundwater Authority. Consider the evacuated storage space based on spring, 2016 groundwater level conditions.
- Describe the capacity of the basin to store groundwater within the existing pumping depressions in the areas listed above.
- Identify, evaluate and describe potential limiting factors that may be encountered by raising groundwater levels to realize full conjunctive use capacity of basins (i.e. clean-up at McClellan, Mather, Aerojet, increase in groundwater loss to rivers, etc.)

- Plot and describe winter groundwater use over the past 5 years in each of the basins and management areas within the basins
- Define (Plot) the refill and extraction characteristics.

(2) Evaluate the Recharge Potential for the Groundwater Basin –

Information to support analysis under this subtask is collected under subtask 1.1. *Develop Agency Water Supply Portfolio*.

- Evaluate the timing and frequency of water available for recharge within the watershed and correlate this to groundwater basin refill rate. Information to support this activity is collected under Task 1.1. *Develop Agency Water Supply Portfolio*.
- Summarize and describe how the available water entitlements in region compare to the groundwater recharge potential.
- Describe groundwater extraction capacity and typical production patterns, considering the following:
 - o Location and pumping capacity of extraction wells,
 - o Spring and summer production pattern
 - o Fall and winter production
 - o Production during prolonged drought periods
- Develop an estimate for the potential recharge potential in the basin

(3) Evaluate Existing Infrastructure Limitations and Constraints –

Information to support analysis under this subtask is collected under subtask 1.2. *Inventory Major Regional Water Infrastructure & Interties*, and subtask 1.4. *Identify Potential Vulnerabilities*”.

- What are the infrastructure constraints/limitations on conjunctive use potential in basins? Describe the integration of surface water infrastructure and groundwater storage – where are the existing limitations in the system, consider:
 - o Capacity of Surface Water Treatment Plants
 - o Member agency water distribution
 - o Regional water transmission pipelines
- Water Quality Considerations
 - o Fluoridation at treatment plants
 - o Fluoridation of groundwater by water districts – who do, who does not, how do we mitigate
- Describe energy use patterns under various put and take scenarios for conjunctive use. Does energy pose a constraint to realizing full conjunctive use potential in the basin?

These activities are covered under **Task 1 - Vulnerability Assessment**: “Inventory Major Regional Water Infrastructure & Interties”, and “Identify Potential Vulnerabilities”

(4) Develop a Conjunctive Use Operations Tool

- Develop a spreadsheet-based tool for analyzing conjunctive use operations in the North and South American River groundwater basins. The tool integrates information on water surface availability, treatment capacity, conveyance limitations, and groundwater recharge potential.
- Apply the tool to evaluate the mitigation options identified in task 2.1.

Deliverables:

| Deliverable | Included in: | |
|-------------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft Conjunctive Use Program Operational Analysis TM – electronic copy | ✓ | ✓ |
| Final Conjunctive Use Program Operational Analysis TM – electronic copy | ✓ | ✓ |

Task 4 – Implementation Road Map

Subtask 4.1 – Operational and Administrative Framework

This is a combined RDCP/RWRP activity.

Purpose:

This task will develop and describe the roles, responsibilities, and procedures for conducting drought monitoring, initiating mitigation and response actions, and updating both the RDCP and RWRP. Funding mechanisms for these activities will also be addressed. Anticipated frequencies will be discussed. (NOTE that some activities may be initiated based on a trigger or other event, as opposed to a pre-selected date or timeframe.) Conduct of this task will include RWA and the 23 water agencies.

Description:

- Develop framework meeting facilitation plan, agenda, and other materials. The purpose of this meeting will be to get input on proposed roles, responsibilities, procedures, funding mechanisms, and activity frequencies.
- Schedule and conduct framework meeting.
- Develop draft Operational and Administrative Framework (based on input received at framework meeting).

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Meeting materials – 20 hard copies | ✓ | ✓ |
| Draft Operational and Administrative Framework TM – electronic copy | ✓ | ✓ |

Subtask 4.2 – Update Process

This is a combined RDCP/RWRP activity.

Purpose:

This task will develop and describe a process and schedule for monitoring, evaluating, and updating both the RDCP and RWRP. Coordination with other ongoing regional efforts and updates will be addressed. (NOTE that some activities may be initiated based on a trigger or other event, as opposed to a pre-selected date or timeframe.) Conduct of this task will include RWA and the 23 water agencies.

Description:

- Develop proposed RDCP update process materials for use in Subtask 4.2 meeting (unless it is determined that a separate meeting is needed to address the update process)
- Develop draft RDCP Update Process (based on input received at Subtask 4.2 meeting)

Deliverables:

| Deliverable | Included in: | |
|-------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Proposed update process materials (for Subtask 4.2 meeting) | ✓ | ✓ |
| Draft Update Process TM – electronic copy | ✓ | ✓ |

Subtask 4.3 – Develop High-Level Framework for Larger CU Opportunities and Regional GW Bank

This is a RWRP only activity.

Purpose:

This task will develop a high-level framework for regional conjunctive use and the proposed regional groundwater bank. Conduct of this task will focus on the North and South American River groundwater basins.

Description:

This task will include 4 activities:

1. Develop and conduct a survey to understand stakeholder issues, concerns, and interests
2. Identify and summarize governance structures of existing groundwater banks and water transfer programs (e.g., Kern Water Bank, Semitropic Groundwater Storage Bank, Apex Ranch, Yuba County Water Agency’s Lower Yuba River Accord)
3. Review and discussion of existing SGA Water Accounting Framework in relation to a potential future regional groundwater bank
4. Using information from #1 - #3, develop a high-level framework for regional conjunctive use and the proposed regional groundwater bank. This framework will include recommendations for next steps for future development and implementation.

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft High-Level Framework for Regional Conjunctive Use & GW Banking TM – electronic copy | | ✓ |
| Revised Draft High-Level Framework for Regional Conjunctive Use & GW Banking TM – electronic copy | | ✓ |

Task 5 – Documentation and Reporting

Subtask 5.1a – Prepare Draft Regional Drought Contingency Plan

This is a RDCP only activity.

Purpose:

This task will prepare the draft RDCP for review.

The six required DCP elements include:

- Drought Monitoring (Subtask 8.4) – Section 2
- Vulnerability Assessment (Task 1) – Section 3
- Mitigation Actions (Subtask 2.1) – Section 4
- Response Actions (Subtask 2.2) – Section 5
- Operational and Administrative Framework (Subtask 4.1) – Section 6
- Plan Update Process (Subtask 4.2) – Section 7

The draft TMs developed in each subtask listed above will be included in the draft RDCP as chapters. An Introduction section (Section 1) will be added to provide background information; describe pre-RDCP development activities (DPTF, overall work plan, C&O Plan); summarize efforts of the planning leads and DPTF as well as stakeholder and public outreach; and describe document organization.

Description:

- Develop annotated outline for RDCP (note that this outline will be developed for use in the kick-off meeting; it will likely be revised during conduct of Subtasks 2.1, 2.2, and 8.4, and the RDCP portion of Task 3, depending on the outcomes of those tasks/subtasks)
- Develop draft Section 1 (Introduction)
- Prepare draft RDCP using draft Section 1 and the draft TMs from Subtasks 2.1, 2.2, 4.1, 4.2, 8.4, and the RDCP portion of Task 3. Appendices to the draft RDCP will include any appendices to the draft TMs, the revised C&O Plan, and other summaries/materials (as appropriate).

Deliverables:

| Deliverable | Included in: | |
|----------------------------------------------|--------------|------|
| | RDCP | RWRP |
| RDCP Annotated Outline – electronic copy | ✓ | |
| Draft RDCP – electronic copy; 10 hard copies | ✓ | |

Subtask 5.1b – Prepare Final Regional Drought Contingency Plan

This is a RDCP only activity.

Purpose:

This task will produce the Final RDCP for public release.

Following completion of the draft RDCP, a review copy will be submitted to Reclamation to ensure the plan meets program requirements. Additionally, a draft of the RDCP will be provided to the DPTF participants and other interested stakeholders for a 30-day review period. This task will address comments and prepare a final version of the RDCP.

Description:

- Provide draft RDCP to Reclamation, DPTF participants, and other interested stakeholders.
- Compile comments. Planning Leads will review comments and determine how to address them.
- Produce final RDCP.

Deliverables:

| Deliverable | Included in: | |
|----------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Final RDCP – electronic copy; 10 hard copies | ✓ | |

Subtask 5.2a – Prepare Draft RWRP

This is a RWRP only activity.

Purpose:

This task will prepare the draft RWRP for review. The RWRP will include a 4-pages Executive Summary (or “visioning document”).

Following completion of the draft RDCP, a review copy will be submitted to Reclamation to ensure the plan meets program requirements. Additionally, a draft of the RDCP will be provided to the DPTF participants and other

interested stakeholders for a 30-day review period. This task will address comments and prepare a final version of the RDCP.

Description:

- Develop annotated outline for RWRP (including Executive Summary).
- Provide annotated outline for review by RWA staff and others (as appropriate).
- Compile comments. RWA staff and contractor will review comments and determine how to address them.
- Produce revised annotated outline for RWRP.
- Prepare draft RWRP, based on revised annotated outline and using the draft TMs from Tasks 1, 2.1, 2.2, 3, 4.1, 4.2. Appendices to the draft RWRP will include any appendices to the draft TMs and other summaries/materials (as appropriate).

Deliverables:

| Deliverable | Included in: | |
|--------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft RWRP Annotated Outline – electronic copy | | ✓ |
| Revised RWRP Annotated Outline – electronic copy | | ✓ |
| Draft RWRP – electronic copy; 6 hard copies | | ✓ |

Subtask 5.2b – Prepare Final RWRP

This is a RWRP only activity.

Purpose:

This task will produce the Final RWRP for public release.

Following completion of the draft RWRP, a review copy will be provided to the DPTF participants, RWA member agencies, and other interested stakeholders for a 30-day review period. This task will address comments and prepare a final version of the RWRP.

Description:

- Provide draft RWRP to DPTF participants, RWA member agencies, and other interested stakeholders.
- Compile comments. RWA staff and contractor will review comments and determine how to address them.
- Produce final RWRP.

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Final RWRP – electronic copy; 6 hard copies | | ✓ |

Task 6 – Prepare Proposition 1 IRWM Planning Grant Application

This is a RWRP only activity.

Purpose:

RWA intends to submit an application for Proposition 1 IRWM planning grant funds to develop portions of the RWRP that address potential effects of climate change on water supply availability and the necessary response and

mitigation actions to help ensure long-term water supply reliability in the RWRP area (i.e., area not currently covered by RDCP efforts and funding), as this information is germane to an update of the ARB IRWMP.

It is anticipated that the planning grant PSP will be released in June 2016, applications will be due in August 2016, and final awards will be approved in September 2016.

Description:

- Attend DWR’s applicant workshop
- Develop draft application sections; this effort will likely require coordination with RWA staff and others (member agencies, Water Forum, DWR, etc.)
- Provide draft application sections for review by RWA staff and others (as appropriate)
- Compile comments. RWA staff and contractor will review comments and determine how to address them.
- Produce final application sections and upload to the GRanTS website.

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft planning grant application sections – electronic copies | | ✓ |
| Final planning grant application sections – electronic copies | | ✓ |

Task 7 – CVP Partner Engagement

This is a RWRP only activity.

Purpose:

Opportunities to operate a regional groundwater bank may involve internal (intra-basin) or external partners. Through this task, RWA and others (SGA, member agencies, etc. as appropriate) will engage potential CVP partners to explore water transfer opportunities. These potential partners could include Reclamation or agencies that have contracts for CVP water.

Task activities will be conducted, up to the currently budgeted amount.

Description:

- Investigate potential CVP partners
- Schedule and participate in discussions with interested CVP partners
- Develop supporting meeting materials (as appropriate)
- Engage RWA or SGA legal counsel (as appropriate)

Deliverables:

| Deliverable | Included in: | |
|------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Meeting materials (as appropriate) – hard copies | | ✓ |
| Other documentation (as appropriate) – electronic or hard copies | | ✓ |

Task 8 – Administrative Activities

Subtask 8.1 – Establish RDCP Drought Planning Task Force

This is a RDCP only activity.

Purpose:

This task will establish a Drought Planning Task Force (DPTF) and conduct a kick-off meeting. The Partners and RWA will act as the Planning Leads. A minimum of 12 additional water supply agencies in the project area will be engaged as potential active participants. These agencies represent the M&I and agricultural water suppliers in the RDCP area. Additionally, the Sacramento Water Forum will be engaged as a key representative of the environmental interest for water. DWR will be engaged as a potential participant. Reclamation will be engaged as a key interest within the RDCP area and beyond.

Meeting content is assumed to come from the work plan (Subtask 8.2) and Communications and Outreach Plan (C&O Plan) (Subtask 8.3).

Description:

- Develop kick-off meeting facilitation plan, agenda, and other materials. There are several objectives for this meeting – refine the purpose, goals, and objectives for the RDCP; confirm roles and responsibilities; discuss potential constraints for planning purposes; agree on protocols for communications and interactions with elected officials and other organizations/agencies that may be become involved in this process; and agree on the RDCP schedule and milestones. As this group will likely be making decisions related to the RDCP, this group will be chartered.
- Schedule and conduct kick-off meeting with DPTF.
- Note: Subtask 8.1 only includes establishing the DPTF. Tasks 4 and 5 include convening the DPTF for development of the draft and final RDCPs.

Deliverables:

| Deliverable | Included in: | |
|----------------------------------------------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| RDCP kick-off meeting materials, including draft DPTF charter (based on RDCP work plan) – 10 hard copies | ✓ | |
| RDCP kick-off meeting summary – electronic copy | ✓ | |

Subtask 8.2a – Develop Detailed RDCP Work Plan

This is a RDCP only activity.

Purpose:

This task will develop a detailed work plan prior to commencing substantive work on the RDCP. This work plan will include the tasks, schedule, and budget required to complete the RDCP.

Description:

- Develop draft work plan for preparation of the RDCP including detailed task descriptions, project schedule (with task timelines, meetings, deliverables and other plan development milestones, and review periods), budget, and a RACI chart for involved parties (Planning Leads, consultant, Reclamation, DPTF, stakeholders and other interested parties). Note that this RACI chart will be developed through the C&O plan (Subtask 8.3).
- Provide draft RDCP work plan to Reclamation for review.

- Address Reclamation comments and develop revised RDCP work plan.

Deliverables:

| Deliverable | Included in: | |
|------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft RDCP work plan – electronic copy | ✓ | |
| Revised RDCP work plan – electronic copy | ✓ | |

Subtask 8.2b – Develop RWRP Scope of Work / Schedule / Budget

This is a RWRP only activity.

Purpose:

This task will develop the scope of work, schedule, and budget for the RWRP. This work plan will build on the RDCP work plan.

Description:

- Develop draft scope of work / schedule / budget preparation of the RWRP including task descriptions, project schedule (with task timelines, meetings, deliverables and other plan development milestones, and review periods), budget, and a RACI chart for involved parties.
- Provide draft RWRP scope of work / schedule / budget to RWA for review.
- Address RWA comments and develop revised RWRP scope of work / schedule / budget.

Deliverables:

| Deliverable | Included in: | |
|------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft RWRP scope of work / schedule / budget – electronic copy | | ✓ |
| Revised RWRP scope of work / schedule / budget – electronic copy | | ✓ |

Subtask 8.3 – Develop RDCP Communications & Outreach Plan

This is a RDCP only activity.

Purpose:

The task will develop a C&O Plan to ensure active stakeholder and public engagement in preparation of the RDCP. Work with current stakeholders, including Reclamation, to identify if there are any additional stakeholders that should be involved in the process. The C&O Plan will identify how to reach out to those stakeholders and how to keep them engaged or informed of the RDCP development process.

This task will capitalize on the strengths, skills, and existing processes that have been employed by RWA as well as the ongoing stakeholder relationships RWA has developed over the course of many years and projects. The C&O Plan will be prepared as a “living document,” adjustable as circumstances and information change. Utilizing existing information and processes, the C&O Plan will provide overall direction and coordination with other planning functions. It will include:

- **Goals** by activity and audience (internal and external).
- **Roles and Responsibilities:** A RACI responsibility matrix (RACI chart) will be developed for the involved parties (Planning Leads, consultant, Reclamation, DPTF, stakeholders and other interested parties), defining the participation by those groups in developing the RDCP. This RACI chart will help to track accountability, to improve the value of meetings, and to see the bigger picture.
- **Relevant Key Messages:** Key messages will be developed for the RDCP and for each audience identified in the RACI responsibility matrix.
- **Activities and Tools:** A range of outreach activities and tools will be identified for each audience and targeted according to their unique needs and communication preferences, and consistent with the RACI responsibility matrix.
- **Measures of Success:** Specific measureable outcomes will be identified.
- **Timeline:** A timeline for completing tasks and evaluating results will be developed so the Planning Leads and DPTF remain on target for completion of the RDCP.

Description:

- Develop the draft C&O Plan. Provide to Reclamation for review.
- Address Reclamation comments and developed revised C&O Plan.
- Note: Task 8.3 only includes developing the C&O Plan. Implementation of the C&O Plan is included in development of the draft and final RDCPs.

Deliverables:

| Deliverable | Included in: | |
|-----------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft C&O Plan (up to 10 pages) – electronic copy | ✓ | |
| Revised C&O Plan (up to 10 pages) – electronic copy | ✓ | |

Subtask 8.4 – RDCP Drought Monitoring

This is a RDCP only activity.

Purpose:

This task will create a framework for predicting and confirming future droughts by establishing data metrics used to indicate drought conditions in the RDCP area.

Description:

This task include the following activities:

(1) Summarize Water Availability Data –

The region currently has significant ongoing monitoring efforts. Sources of data include State, federal, and local data available on the California Data Exchange Center (CDEC), participating water supply agencies, and regional groundwater management agencies. The available data for near- and long-term water availability in the RDCP area will be reviewed, consolidated, and summarized.

(2) Summarize Water Supply Conditions Indices –

A number of indices exists that describe the water supply conditions for different sources. Through the Water Forum process, local water suppliers define water conditions based on unimpaired inflow to Folsom Reservoir. Inflow dictates when certain agencies can divert surface water or when they must use groundwater as an alternate water source. In turn, Reclamation uses conditions throughout its Central

Valley reservoirs to define supply conditions to assign annual allocations to its contractors. It is possible to have relatively normal conditions in the American River watershed, while having dry conditions in other parts of the Central Valley Project (CVP). These various indices need to be understood to develop effective mitigation strategies in the RDCP. The various water supply indices affecting supply sources in the region will be compiled and described.

(3) Explore Developing a Water Supply Index for the American River Basin –

There is a need for a composite index for the American River Basin that describes the overall water supply conditions in the region that accounts for both the hydrological conditions, as well as the CVP water supply conditions. This index will facilitate prediction and confirmation of future droughts. Various potential formulations of this index will be explored and their performance against historical record will be investigated. Input will be sought from the participating agencies, Reclamation, and DWR to gauge acceptance and utility of this potential index.

Deliverables:

| Deliverable | Included in: | |
|----------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft RDCP Drought Monitoring TM – electronic copy | ✓ | |
| Final RDCP Drought Monitoring TM – electronic copy | ✓ | |

Subtask 8.5 – Reclamation Agreement Management for RDCP

This is a RDCP only activity.

Purpose:

This task will ensure that all project activities are in compliance with the Reclamation funding agreement. This task will be consistent with the RDCP work plan schedule (developed in Subtask 8.2a).

Description:

- Procure contractor to support Planning Leads in development of RDCP.
- Prepare semi-annual reports for submission to Reclamation.
- Prepare reimbursement requests for submission to Reclamation.
- Prepare final project report for submission to Reclamation.

Deliverables:

| Deliverable | Included in: | |
|---------------------------------------------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Contractor RFP, selection, and contract/agreement execution | ✓ | |
| Semi-annual RDCP reports (assume 3 reports – June 2016, December 2016, June 2017) | ✓ | |
| Final RDCP project report (assume 1 report – December 2017) | ✓ | |
| Monthly RDCP reimbursement requests (assume 21 requests – April 2016 – December 2017) | ✓ | |

Subtask 8.6 – RWRP Project Management

This is a RWRP only activity.

Purpose:

This task will ensure that all project activities are in compliance with the Reclamation funding agreement. This task will be consistent with the work plan schedule (developed in Task 2).

Description:

- Prepare and execute project agreements with RWA member agencies for development of the RWRP
- Provide periodic RWRP updates at RWA and SGA board meetings
- Conduct periodic RWRP workgroup meetings to facilitate plan development
- Process contractor invoices and payments

Deliverables:

| Deliverable | Included in: | |
|-------------------------------------------------|--------------|------|
| | RDCP | RWRP |
| Draft and executed project agreements | | ✓ |
| RWA and SGA board meeting materials (as needed) | | ✓ |
| RWRP workgroup meeting materials (as needed) | | ✓ |
| Contractor agreement execution and payments | | ✓ |

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C. Budget

RWA RWRP Budget

| RWRP TASKS | RDCP | | RWRP | Total |
|------------------------------------------------------------------------|------------|-------------------------------|-------------------|------------|
| | Budget | Reclamation Work Plan Task(s) | Additional Budget | |
| Task 1 – Vulnerability Assessment | \$ 113,900 | 4.2 | \$ 29,800 | \$ 143,700 |
| Task 2 – Mitigation Actions & Response Actions | | | | |
| 2.1 Mitigation Actions | \$ 98,300 | 4.3 | \$ 25,600 | |
| 2.2 Response Actions | \$ 24,000 | 4.4 | \$ 6,400 | \$ 154,300 |
| Task 3 – Conjunctive Use Program Operational Analysis | \$ 20,000 | 4.3 | \$ 173,200 | \$ 193,200 |
| Task 4 – Implementation Road Map | | | | |
| 4.1 Operational & Administrative Framework | \$ 17,200 | 4.5 | \$ 4,700 | |
| 4.2 Update Process | \$ 11,000 | 4.6 | \$ 3,400 | |
| 4.3 Develop Framework for Larger CU Opportunities and Regional GW Bank | | n/a | \$ 50,000 | \$ 86,300 |
| Task 5 – Documentation and Reporting | | | | |
| 5.1 RDCP (draft and final) | \$ 51,000 | 5 | | |
| 5.2 RWRP (draft and final) | | n/a | \$ 47,000 | \$ 98,000 |
| Task 6 – Prepare Proposition 1 IRWM Planning Grant Application | | n/a | \$ 25,000 | \$ 25,000 |
| Task 7 – CVP Partner Engagement | | n/a | \$ 25,000 | \$ 25,000 |
| Task 8 – Administrative Activities | | | | |
| 8.1 Establish RDCP DPTF | \$ 11,400 | 1 | | |
| 8.2 Develop Work Plans (RDCP and RWRP) | \$ 17,600 | 2 | \$ 4,800 | |
| 8.3 Develop RDCP C&O Plan | \$ 8,500 | 3 | | |
| 8.4 RDCP Drought Monitoring | \$ 21,000 | 4.1 | | |
| 8.5 Reclamation Agreement Management for RDCP | \$ 18,000 | 6 | | |
| 8.6 RWRP Project Management | | n/a | \$ 14,200 | \$ 95,500 |
| | \$ 411,900 | | \$ 409,100 | \$ 821,000 |

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EXHIBIT 3

FINANCING PLAN

REGIONAL WATER AUTHORITY

REGIONAL WATER RELIABILITY PLAN PROJECT

As shown in the table below, the total estimated cost to complete the Project is \$821,000. Of that total, \$361,000 in funding is currently available through in-kind time, an existing grant, and an existing designation from RWA. This leaves an unmet funding amount of \$460,000.

| | |
|-----------------------------------------------|------------------|
| Total Project Cost | \$821,000 |
| Existing Sources of Funding: | |
| Approved In-Kind Staff Time to Prepare RDCP | \$111,000 |
| Reclamation Grant to Prepare RDCP | \$200,000 |
| Existing RWA Designation for IRWM | \$50,000 |
| Unmet Funding Need to Complete Project | \$460,000 |

During implementation of the Project, additional sources of funding (e.g., grants) will likely be pursued to supplement the unmet funding need. To ensure the unmet funding need is covered if the other sources are not realized, a not-to-exceed fee of \$460,000 is being established for the Project Participants.

Fees will be collected from Participants through multiple phased assessments. The Phase 1 assessment will collect 60% of the not-to-exceed fee (\$276,000 of the \$460,000 total). Any assessments beyond the Phase 1 assessment, if necessary, will not occur prior to July 1, 2017. For purposes of establishing the Participant fees, multiple factors were considered, including: 1) the agency customer service connections; 2) whether the Participant is also a Regional Drought Contingency Plan Partner; and 3) whether the Participant is within, partially within, or outside the core American River Basin Integrated Regional Water Management Plan area. For agencies outside the core area, no fee is being assessed. Activities with those agencies will consist of limited surveying/interviewing, with those costs being covered through the existing RWA IRWM designation. Because there are no fees to the agencies outside the core area, they will not be required to execute a Project agreement with RWA and will not be considered Project Participants. The resulting proposed fees for the Project Participants are shown in the table below.

| Proposed Fees | | |
|------------------------------------------------|----------------|----------------------|
| | Phase 1 | Not-to-Exceed |
| California American Water | \$ 24,000 | \$ 40,000 |
| Carmichael Water District | \$ 7,800 | \$ 13,000 |
| Citrus Heights Water District | \$ 9,600 | \$ 16,000 |
| City of Folsom (1) | \$ 18,000 | \$ 30,000 |
| City of Lincoln | \$ 9,600 | \$ 16,000 |
| City of Roseville (1) | \$ 30,000 | \$ 50,000 |
| City of Sacramento (1) | \$ 30,000 | \$ 50,000 |
| City of West Sacramento (3) | \$ - | \$ - |
| City of Yuba City (3) | \$ - | \$ - |
| Del Paso Manor Water District | \$ 1,800 | \$ 3,000 |
| El Dorado County Water Agency (2) | \$ 6,000 | \$ 10,000 |
| El Dorado Irrigation District (2) | \$ 6,000 | \$ 10,000 |
| Elk Grove Water District | \$ 7,800 | \$ 13,000 |
| Fair Oaks Water District | \$ 7,800 | \$ 13,000 |
| Golden State Water Company | \$ 9,600 | \$ 16,000 |
| Orange Vale Water Company | \$ 2,400 | \$ 4,000 |
| Placer County Water Agency (1) | \$ 30,000 | \$ 50,000 |
| Rancho Murieta Community Services District (2) | \$ 1,200 | \$ 2,000 |
| Rio Linda/Elverta Community Water District | \$ 2,400 | \$ 4,000 |
| Sacramento County Water Agency | \$ 24,000 | \$ 40,000 |
| Sacramento Regional County Sanitation District | \$ 12,000 | \$ 20,000 |
| Sacramento Suburban Water District | \$ 24,000 | \$ 40,000 |
| San Juan Water District (1) | \$ 12,000 | \$ 20,000 |
| Woodland-Davis Clean Water Agency (3) | \$ - | \$ - |
| | \$ 276,000 | \$ 460,000 |
| (1) RDCP Partner | | |
| (2) Partially in contiguous core planning area | | |
| (3) Not in contiguous core planning area | | |

February 15, 2017

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

Present Situation

The EGWD January 2017 Operations Report highlights are as follows:

- **Operations Activities Summary** – Notable items in the activities summary are that the District hung 718 door hangers for past due balances which resulted in 90 shutoffs. There was 2 pressure complaints, neither 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 January decreased slightly

ELK GROVE WATER DISTRICT OPERATIONS REPORT – JANUARY 2017

Page 2

compared to January 2016, and is 12.13 percent less than what was produced in 2013. The Total Demand/Production for both service areas on page 14 shows that customer use during the month of January, compared to January 2013, was down by 14.8 percent.

- **Static and Pumping Level Graphs** – The first quarter soundings are shown and indicate 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 January:
 - Staff members worked on the filter vessel media change-out project at the RRWTP.
- **Backflow Prevention Program 2017** – There were 39 notices issued for the month. From the initial testing notice 28 devices passed and 2 failed. Upon retest, one of the failed devices passed. There were 10 secondary notices issued, of which we have received 6 passing tests. There was a total of 4 outstanding devices as of this month, which will require further investigation.
- **Safety Meetings/Training** – There were 6 safety training sessions conducted for the month. Only 2 safety sessions are required by OSHA standards.
- **Service Line Replacement Map** – The District installed 9 service lines for residential services in the month of January.
- **Service and Main Leaks Map** – There were no main line leaks and 2 service line leaks reported for the month.

February 15, 2017

ELK GROVE WATER DISTRICT OPERATIONS REPORT – JANUARY 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, P.E.
GENERAL MANAGER

MJM/ah

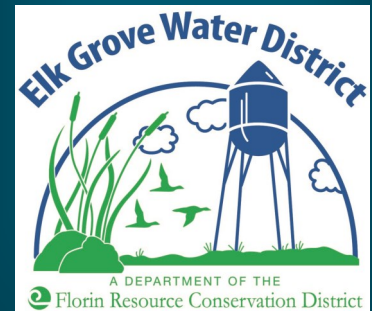
EGWD

OPERATIONS REPORT

January 2017



Elk
Grove
Water
District



Elk Grove Water District

Operations Report

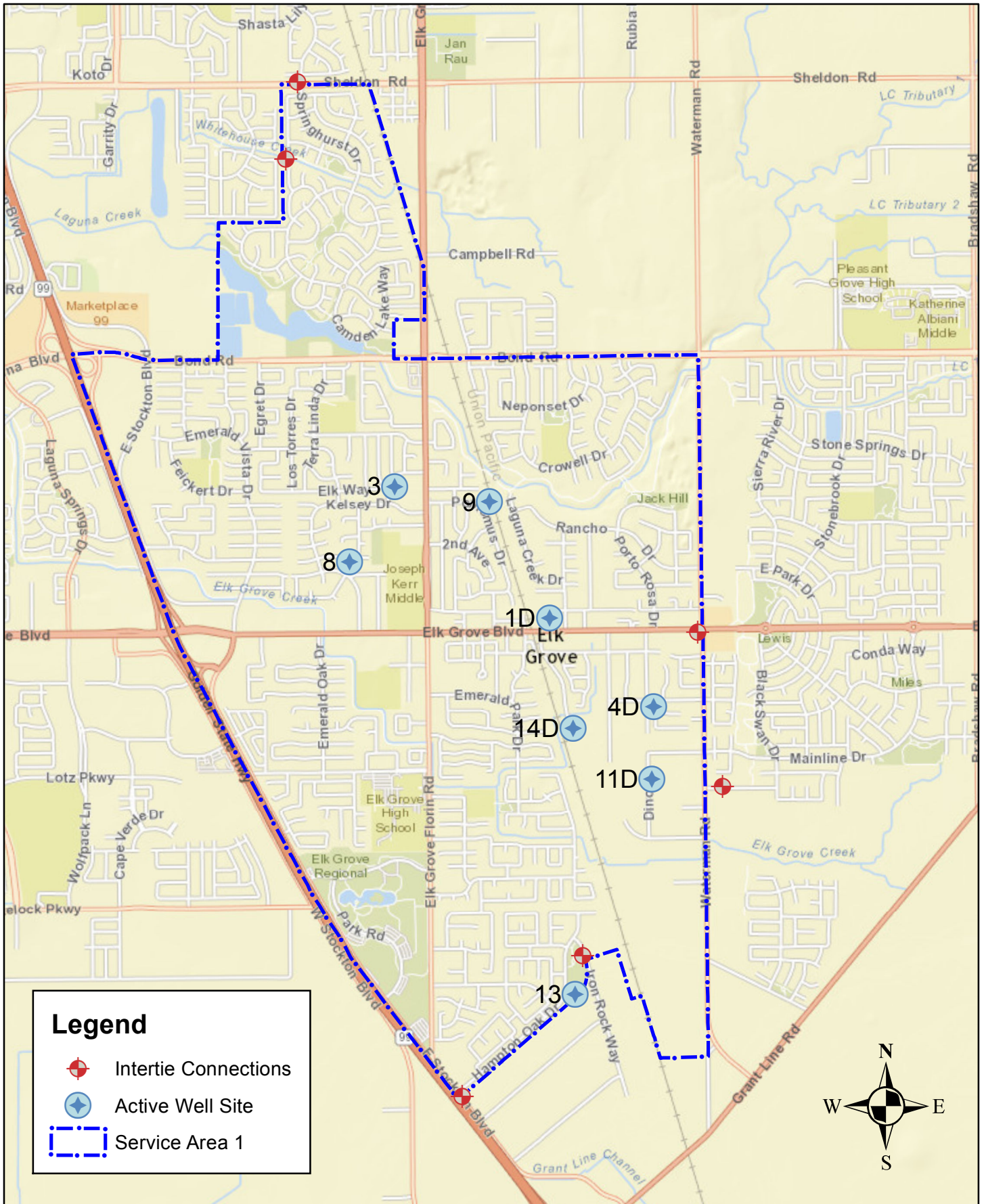
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Operations Activities Summary

| <u>Service Requests:</u> | Jan-17 | | YTD (Since Jan. 1, 2017) | |
|---------------------------------|------------------------|--------------|--------------------------|--------------|
| <u>Department</u> | <u>Service Request</u> | <u>Hours</u> | <u>Service Request</u> | <u>Hours</u> |
| Distribution | | | | |
| Door Hangers | 718 | 41.25 | 718 | 41.25 |
| Shut offs | 90 | 22.75 | 90 | 22.75 |
| Turn ons | 96 | 17.5 | 96 | 17.5 |
| Investigations | 37 | 24.5 | 37 | 24.5 |
| USA Locates | 134 | 33.5 | 134 | 33.5 |
| Customer Complaints | | | | |
| -Pressure | 2 | 1 | 2 | 1 |
| -Water Quality | 0 | 0 | 0 | 0 |
| -Other | 0 | 0 | 0 | 0 |

| <u>Work Orders:</u> | Jan-17 | | YTD (Since Jan. 1, 2017) | |
|----------------------------|--------------------|--------------|--------------------------|--------------|
| <u>Department</u> | <u>Work Orders</u> | <u>Hours</u> | <u>Work Orders</u> | <u>Hours</u> |
| Treatment: | | | | |
| Preventative Maint. | 14 | 25.5 | 14 | 25.5 |
| Corrective Maint. | 3 | 36 | 3 | 36 |
| Water Samples | 13 | 41 | 13 | 41 |
| Distribution: | | | | |
| Meters Installed | 0 | 0 | 0 | 0 |
| Backflow Devices Installed | 0 | 0 | 0 | 0 |
| Preventative Maint. | | | | |
| -Hydrant Flushing Program | 0 | 0 | 0 | 0 |
| -Hydrant Maintenance | 37 | 12 | 37 | 12 |
| -Valve Exercising | 165 | 64.5 | 165 | 64.5 |
| -Other | 0 | 0 | 0 | 0 |
| Corrective Maint. | | | | |
| -Leaks | 3 | 39 | 3 | 39 |
| -Other | 8 | 64.5 | 8 | 64.5 |
| Valve Locates | 0 | 0 | 0 | 0 |
| Utility: | | | | |
| Service Line Replacement | 9 | 205.5 | 9 | 205.5 |
| Corrective Maint. | 0 | 0 | 0 | 0 |



Active Well Sites & Intertie Connections

Elk Grove Water District



Elk Grove Water District

Monthly Production

Well 1D School -- Jan. 2017

Selected Month Production
4,747,763 Gallons

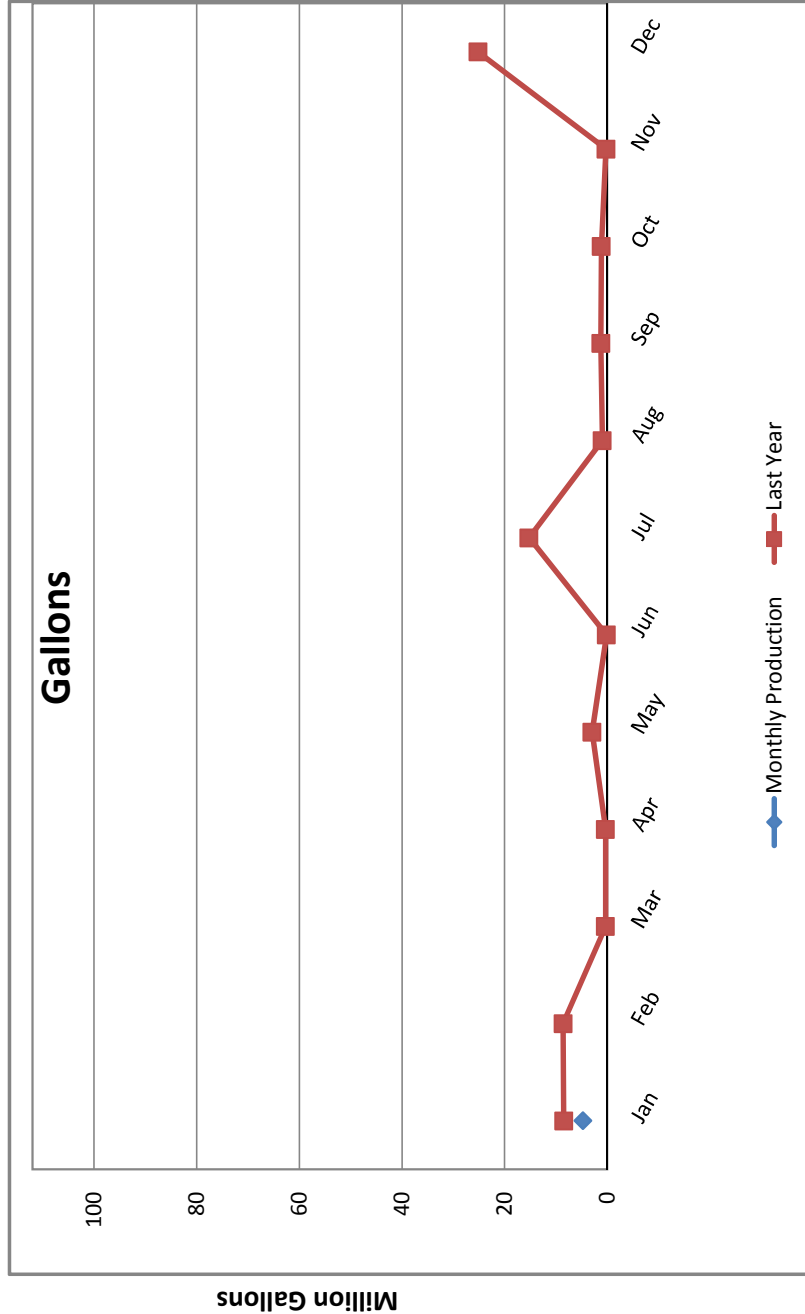
Average GPM:
1,814

Motor:
Volts: 467
Volts (Rated): 460
RPM: 2096
RPM (Rated): 2115
Amps A: 184
Amps A (Rated): 222
Amps B: 182
Amps B (Rated): 222
Amps C: 176
Amps C (Rated): 222

Motor Temp: 100.2 F
Hour Meter: 43.60
KW Hour Total: 5,600.00

Chlorine:
Dosing: 1.64
Demand: 0.75
Residual: 0.89

Vibration Reading:
Base Line: 0.05
Current: 0.02





Elk Grove Water District

Monthly Production

Well 4D Webb -- Jan. 2017

Selected Month Production
37,154,358 Gallons

Average GPM:
1,701

Motor:

Volts: 475
Volts (Rated): 460
RPM: 1907
RPM (Rated): 1775
Amps A: 187
Amps A (Rated): 225
Amps B: 186
Amps B (Rated): 225
Amps C: 186
Amps C (Rated): 225

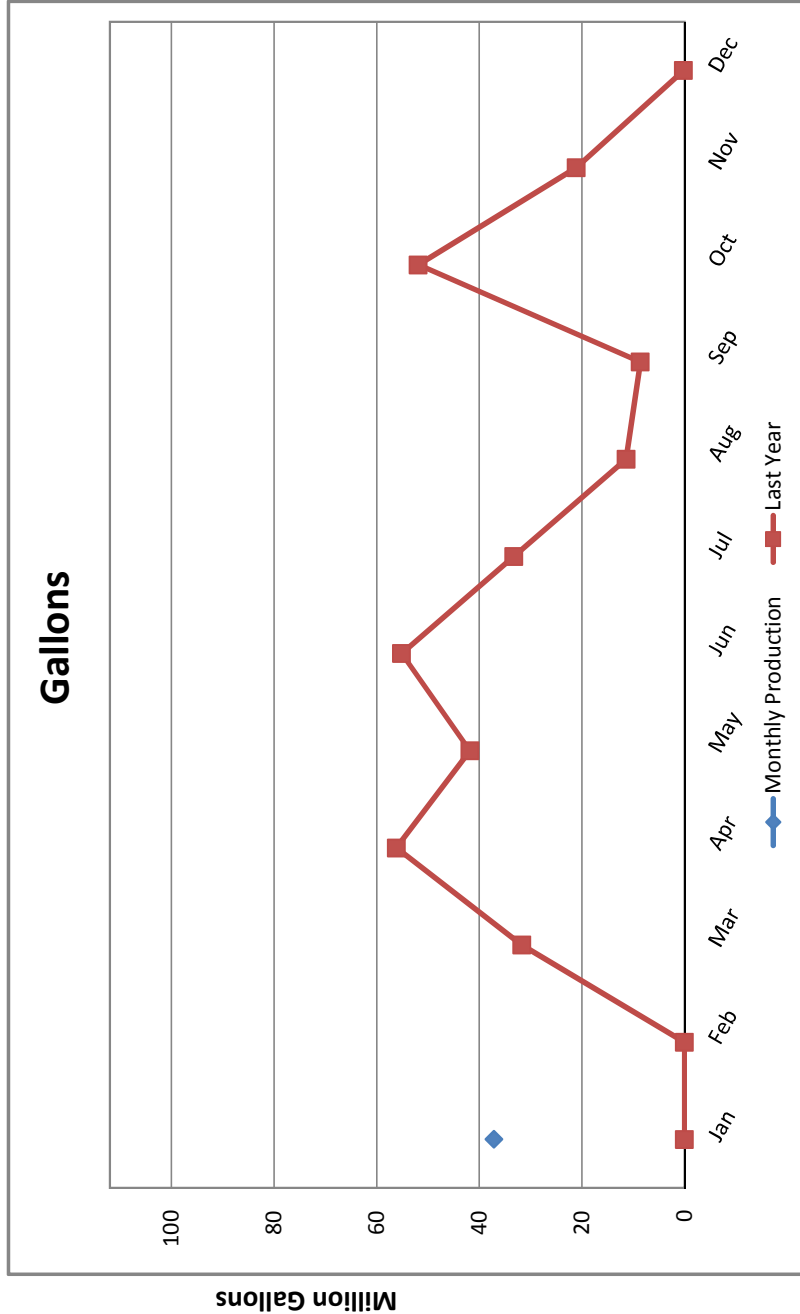
Motor Temp: 97.7 F
Hour Meter: 363.90
KW Hour Total: 46,800.00

Chlorine:

Dosing: 1.76 mg/L
Demand: 0.82 mg/L
Residual: 0.94 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.03 in/sec





Elk Grove Water District

Monthly Production

Well 11D Dino -- Jan. 2017

Selected Month Production
5,053,617 Gallons

Average GPM:
1,698

Motor:

Volts: 470
Volts (Rated): 460
RPM: 1921
RPM (Rated): 1775
Amps A: 189
Amps A (Rated): 225
Amps B: 189
Amps B (Rated): 225
Amps C: 181
Amps C (Rated): 225

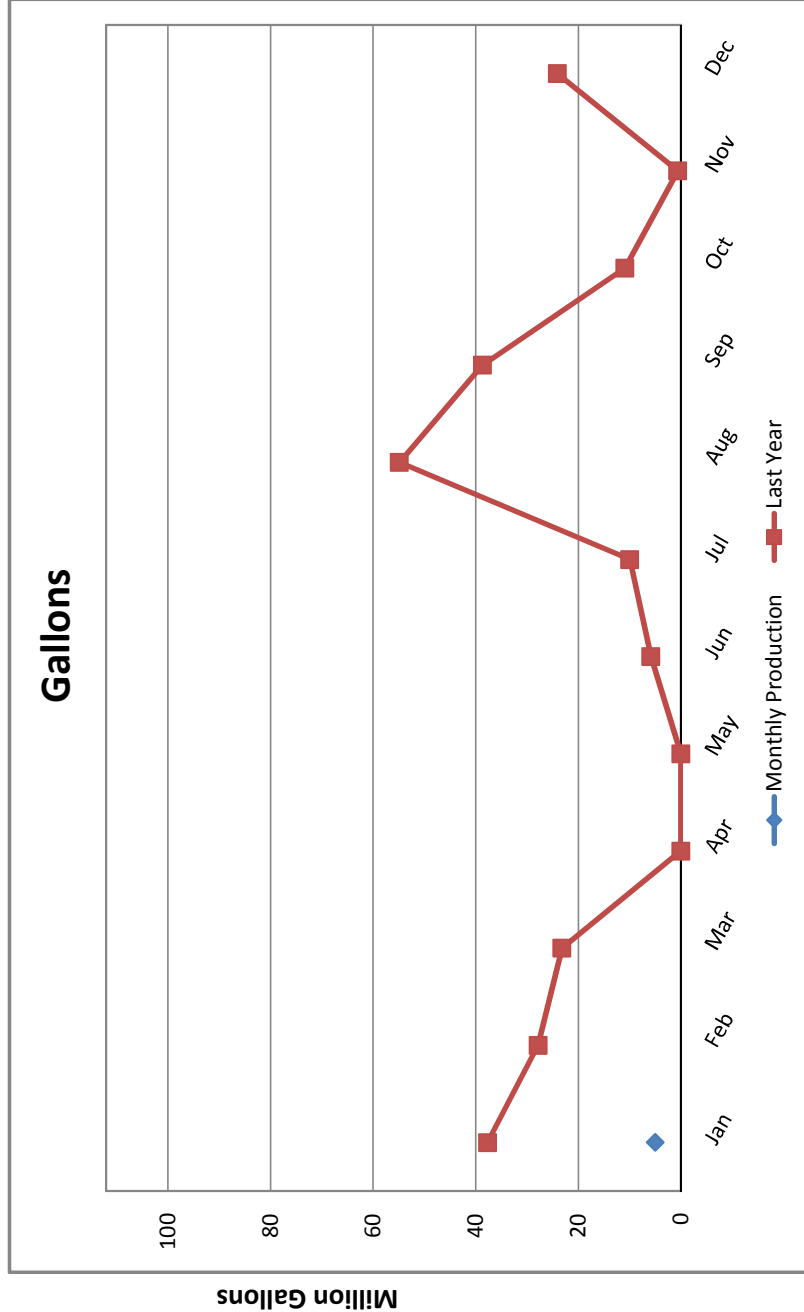
Motor Temp: 105 F
Hour Meter: 49.60
KW Hour Total: 6,600.00

Chlorine:

Dosing: 1.78 mg/L
Demand: 0.89 mg/L
Residual: 0.89 mg/L

Vibration Reading:

Base Line: 0.05 in/sec
Current: 0.03 in/sec





Elk Grove Water District

Monthly Production

Well 14D Railroad -- Jan. 2017

Selected Month Production
12,801,143 Gallons

Average GPM:
1,541

Motor:

Volts: 473
Volts (Rated): 460
RPM: 2086
RPM (Rated): 1785
Amps A: 164
Amps A (Rated): 171
Amps B: 165
Amps B (Rated): 171
Amps C: 158
Amps C (Rated): 171

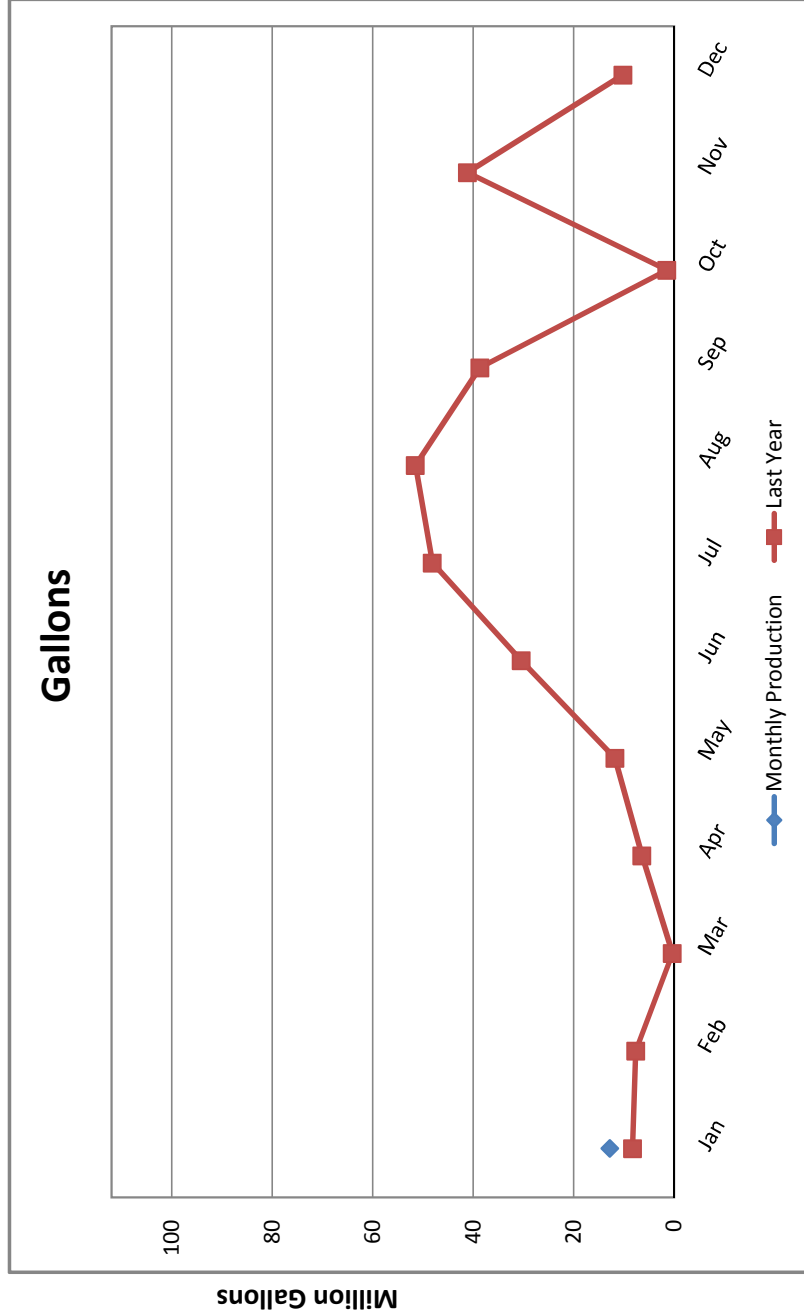
Motor Temp.: 87.4 F
Hour Meter: 138.40
KW Hour Total: 66,240.00
(KWH total is for the entire facility)

Chlorine:

Dosing: 1.85 mg/L
Demand: 0.75 mg/L
Residual: 1.1 mg/L

Vibration Reading:

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





Elk Grove Water District

Monthly Production

Well 3 Mar–Val -- Jan. 2017

Selected Month Production
87,000 Gallons

Average GPM: 852

Motor:

- Volts: 481
- Volts (Rated): 460
- RPM: 2021
- RPM (Rated): 1983
- Amps A: 87
- Amps A (Rated): 88
- Amps B: 86
- Amps B (Rated): 88
- Amps C: 89
- Amps C (Rated): 88

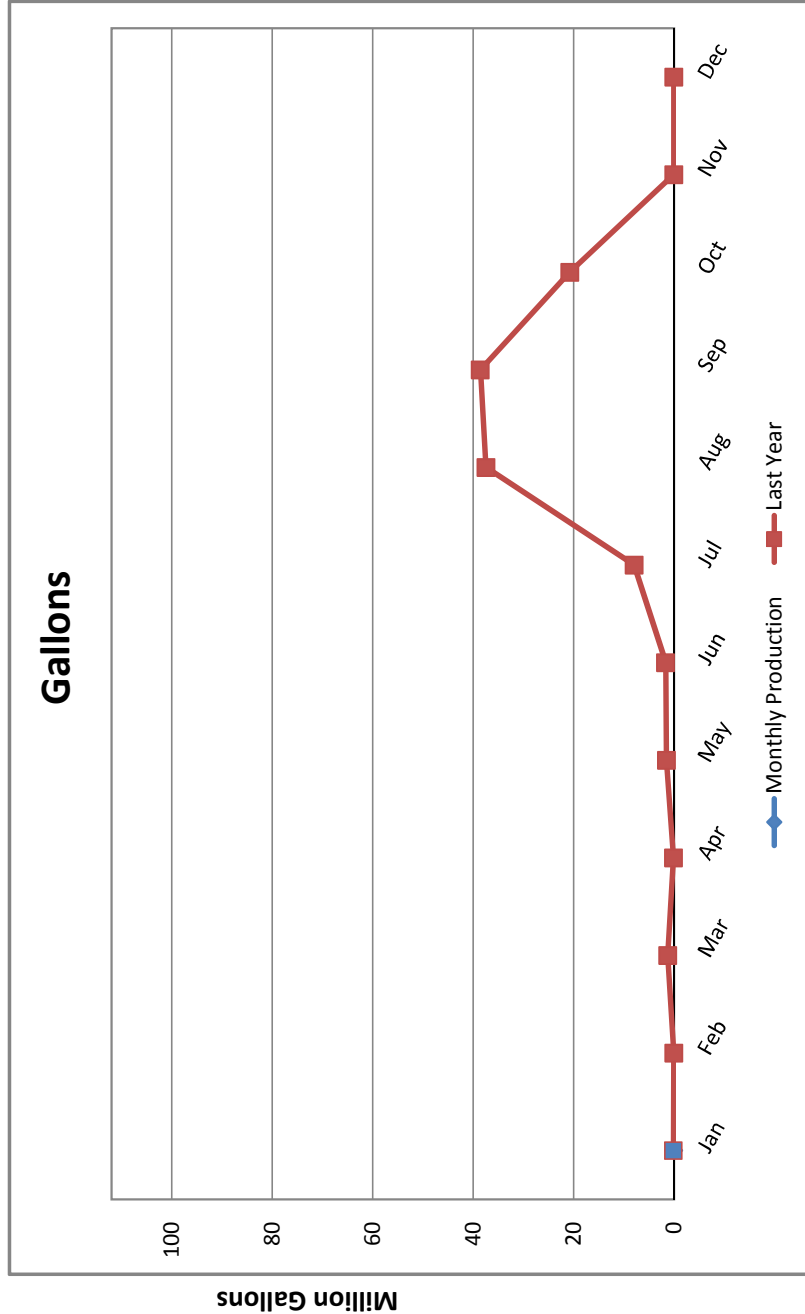
- Motor Temp.: 161.6 F
- Hour Meter: 1.70
- KW Hour Total: 265.00

Chlorine:

- Dosing: 0.99 mg/L
- Demand: 0.13 mg/L
- Residual: 0.86 mg/L

Vibration Reading:

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





Elk Grove Water District

Monthly Production

Well 8 Williamson -- Jan. 2017

Selected Month Production
82,000 Gallons

Average GPM: 854

Motor:

Volts: 460
 Volts (Rated): 460
 RPM: 1892
 RPM (Rated): 1780
 Amps A: 87
 Amps A (Rated): 87
 Amps B: 86
 Amps B (Rated): 87
 Amps C: 87
 Amps C (Rated): 87

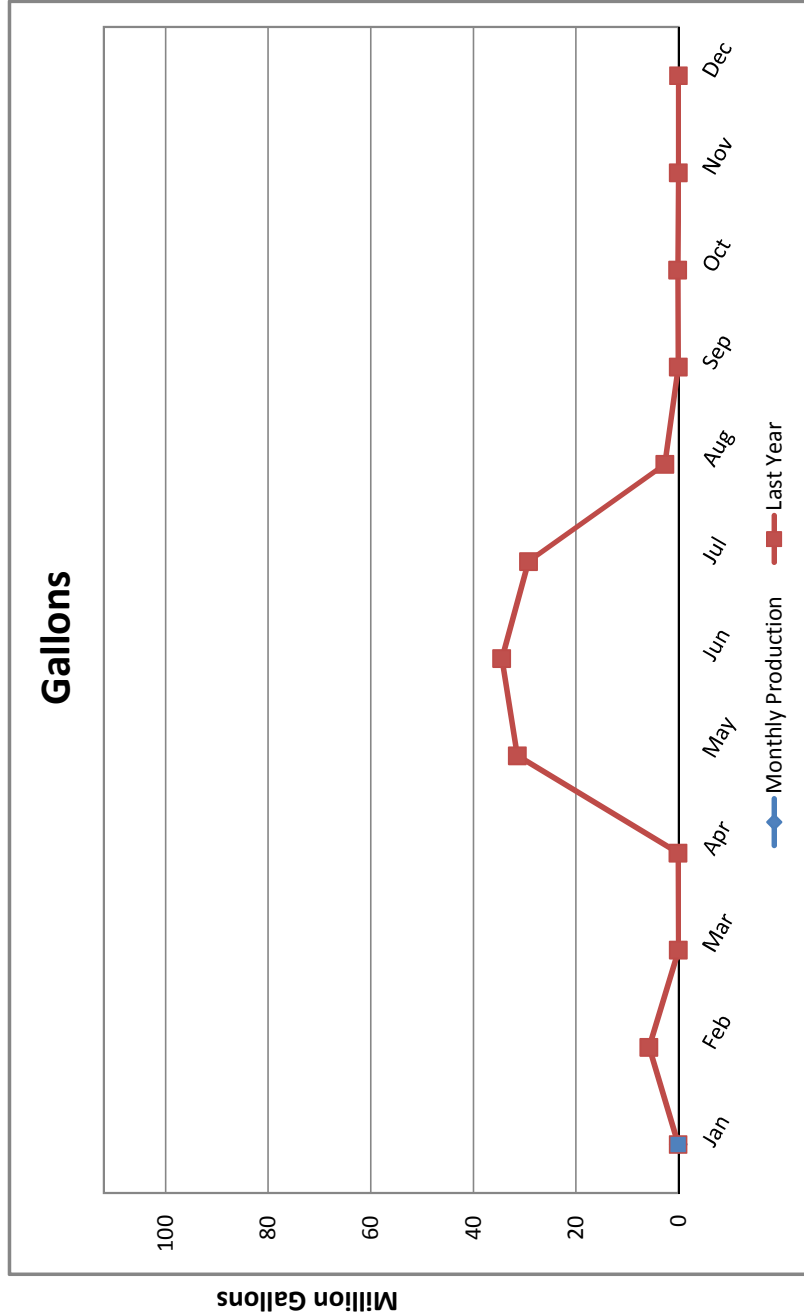
Motor Temp.: 83.6 F
 Hour Meter: 1.60
 KW Hour Total: 249.00

Chlorine:

Dosing: 1.05 mg/L
 Demand: 0.16 mg/L
 Residual: 0.89 mg/L

Vibration Reading:

Base Line: 0.03 in/sec
 Current: 0.07 in/sec





Elk Grove Water District

Monthly Production

Well 9 Polhemus -- Jan. 2017
(Submersible)

Selected Month Production
48,000 Gallons

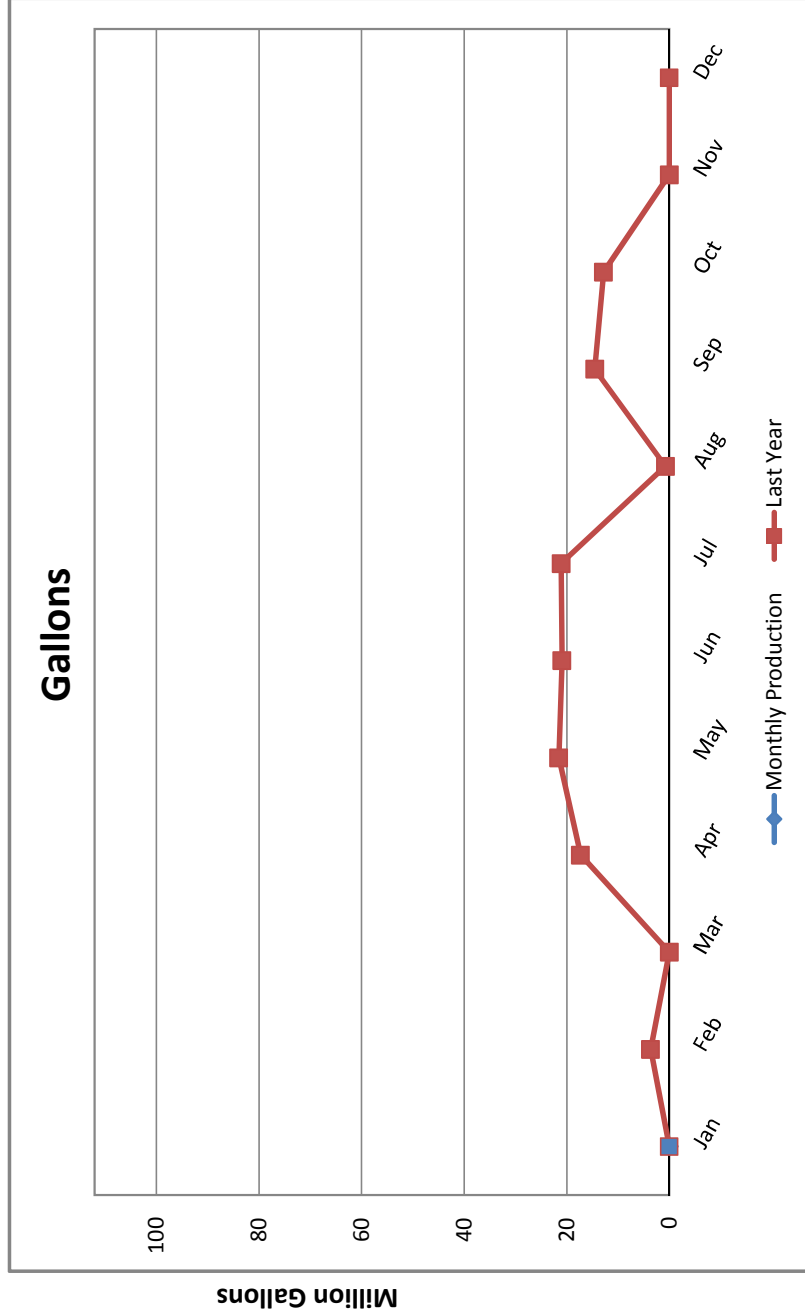
Average GPM: 470

Motor:
Volts: \$ 484
Volts (Rated): 460

Amps A: 58
Amps A (Rated): 65
Amps B: 57
Amps B (Rated): 65
Amps C: 61
Amps C (Rated): 65

Hour Meter: 1.70
KW Hour Total: 313.00

Chlorine:
Dosing: 1.6 mg/L
Demand: 0.62 mg/L
Residual: 0.98 mg/L





Elk Grove Water District

Monthly Production

Well 13 Hampton -- Jan. 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

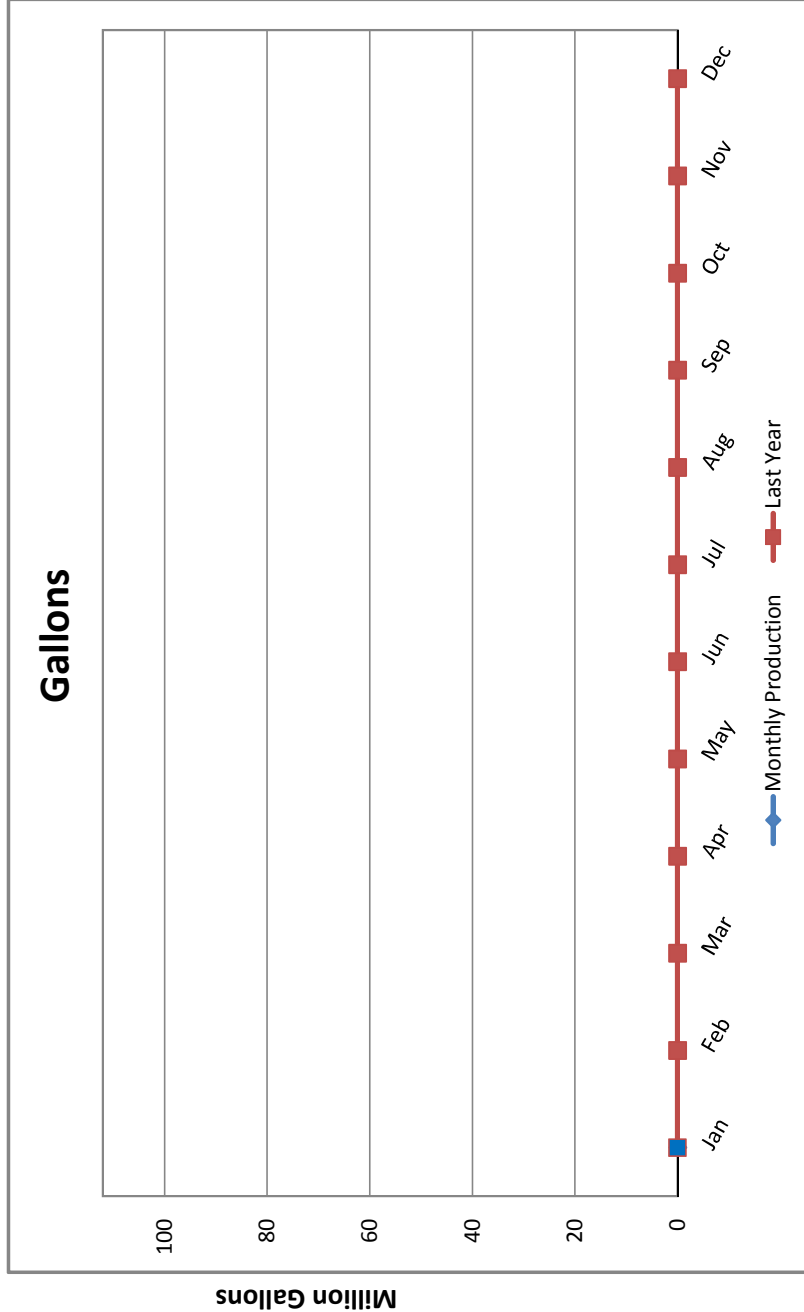
Motor Temp.: 0.00
 Hour Meter: 0.00
 KW Hour Total: 0.00

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

Jan-2017

Current Month Production:

59,973,881 Gallons

Highest Day Demand of the Month:

2,307,000

Date of Occurrence

9-Jan-17

Highest Day Demand of the Calendar Year:

2,307,000

Date of Occurrence

9-Jan-17

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

Current Month:

9.92 in

Year To Date:

19.37 in

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

January 2016

5.44 in

Year To Date:

8.88 in

Last Year Total:

16.19 in

Temperature:

This Month High

63 F

This Month Low

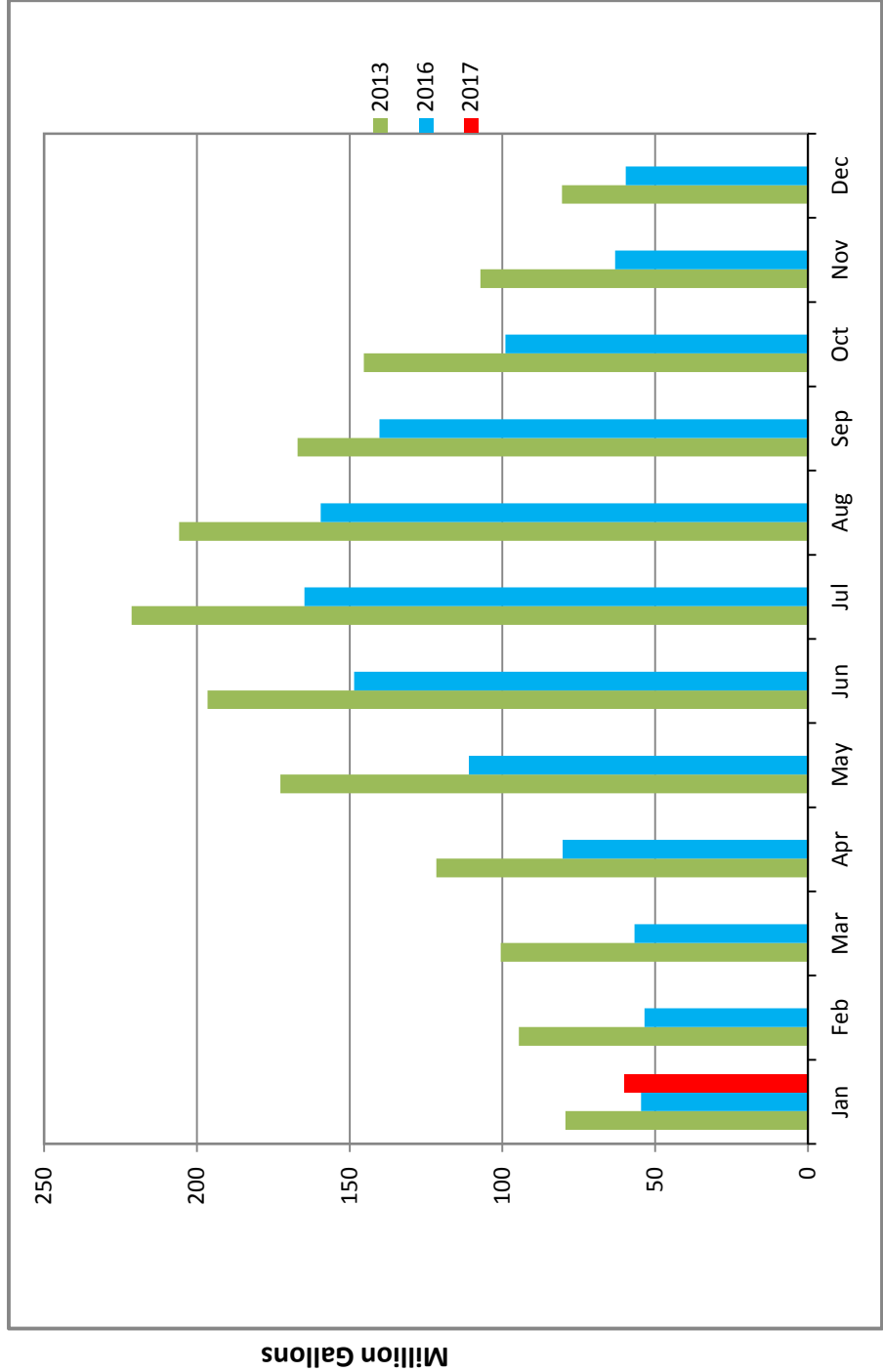
29 F

JAN-16 High

64 F

JAN-16 Low

31 F

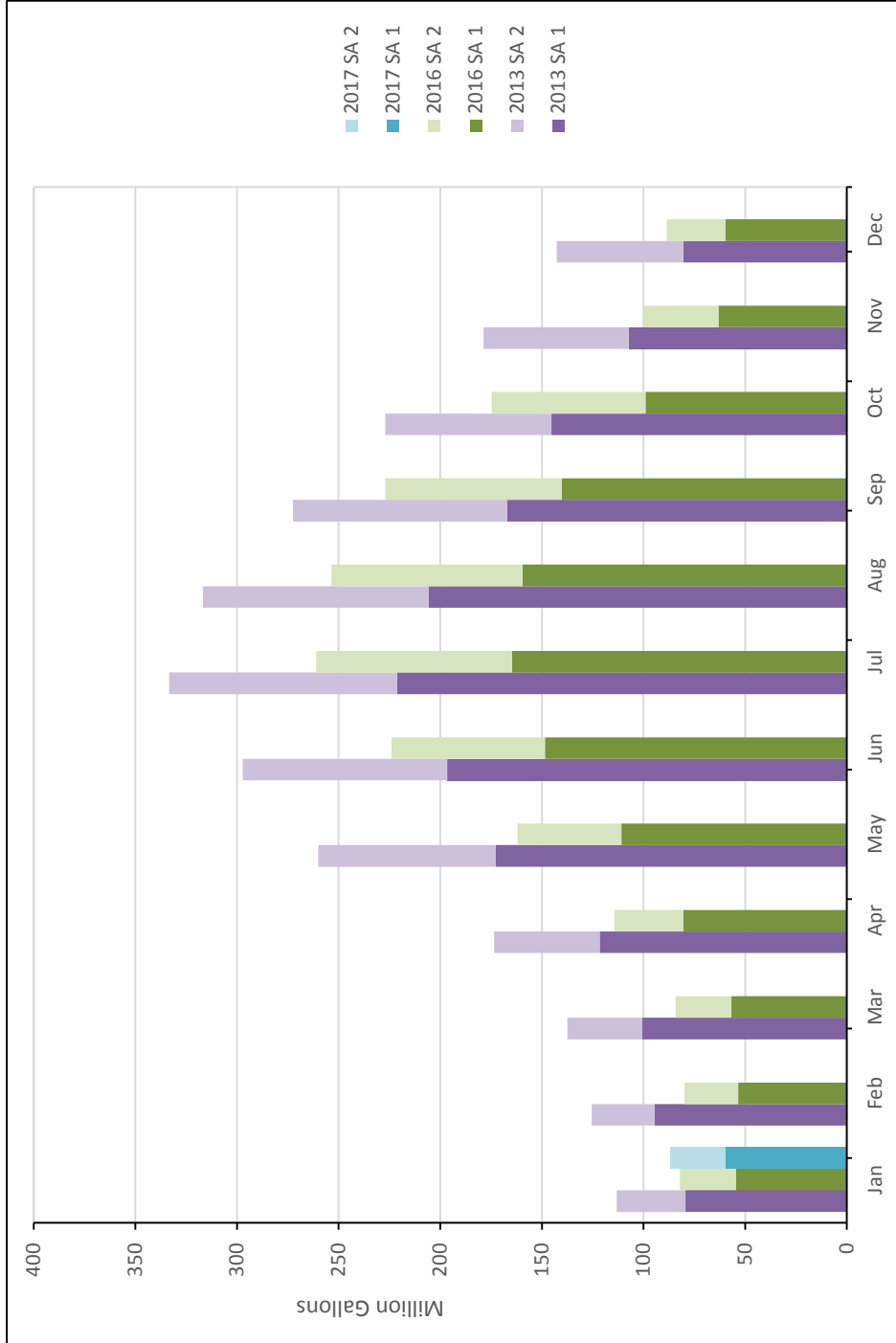




Elk Grove Water District

Total Demand/Production

Jan-2017



Current Month Demand/Production:

86,925,069 Gallons

Reduction From Jan. 2013: 14.80%

GPCD: 62.6 Gallons per Day

R-GPCD: 52.6 Gallons per Day

Service Area 1

Active Connections: 7,903

Current Month Demand/Production:

59,973,881 Gallons

GPCD: 68.0 Gallons per Day

R-GPCD: 55.8 Gallons per Day

Service Area 2

Active Connections: 4,402

Current Month Demand/Production:

26,951,188 Gallons

GPCD: 53.3 Gallons per Day

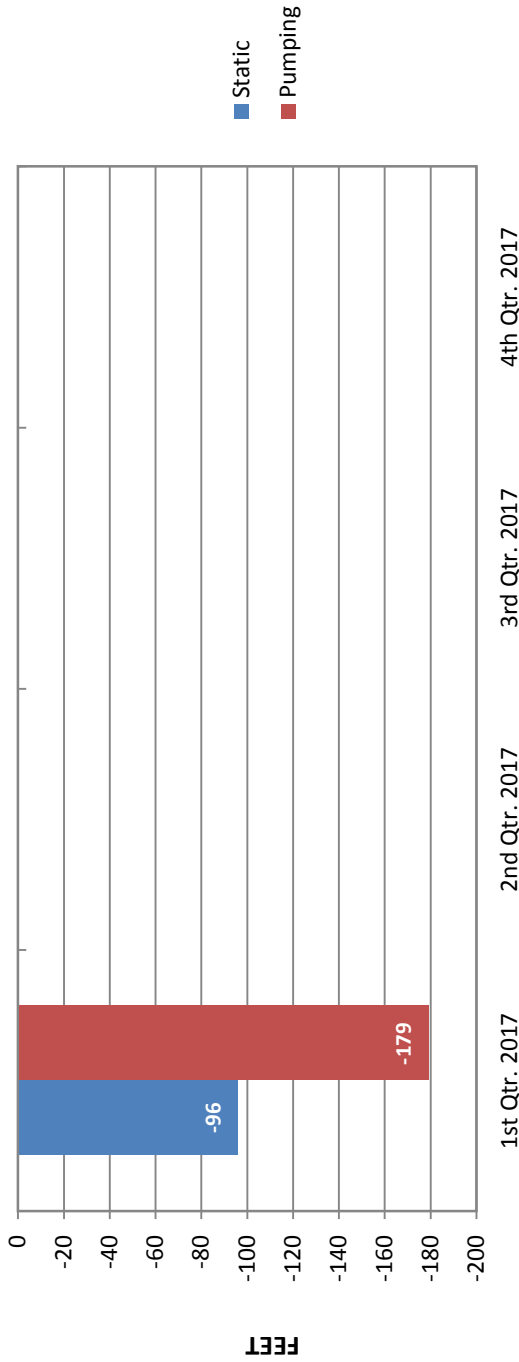
R-GPCD: 46.3 Gallons per Day



Elk Grove Water District

Static and Pumping Levels

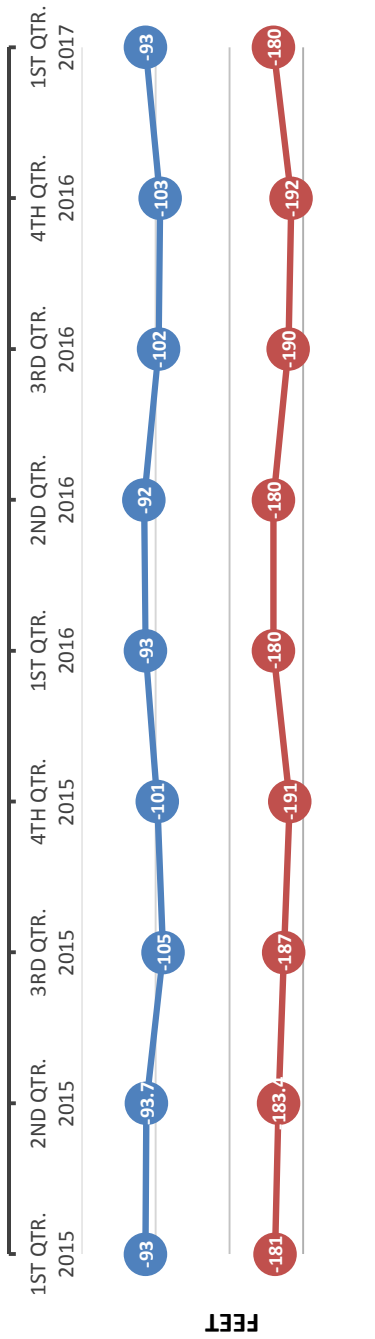
Well 1D School St



Latest Well Sounding

Static: 96 Ft
Pumping: 179 Ft
Drawdown: 83 Ft
GPM: 1,848.00
Specific Capacity: 22.265

Sounding Quarter/Year



Latest Sand Tester Results:

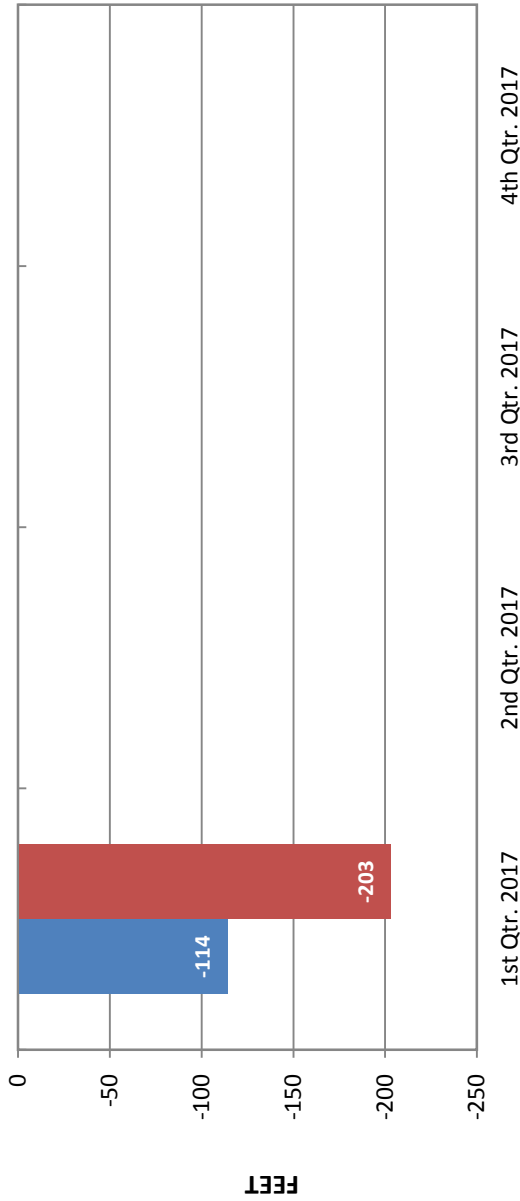
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 4D Webb St

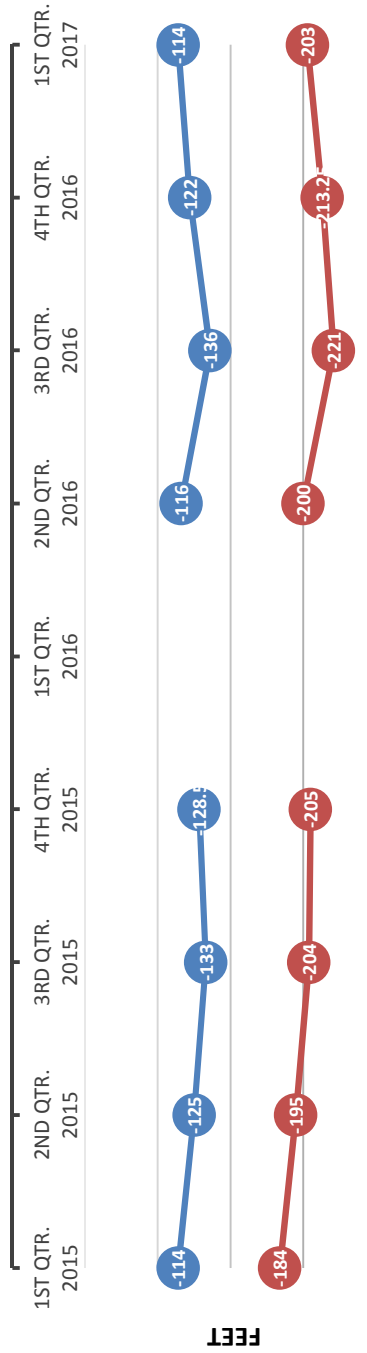


Latest Well Sounding

Static: 114 Ft
Pumping: 203 Ft
Drawdown: 89 Ft
GPM: 1,715.00
Specific Capacity: 19.270

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

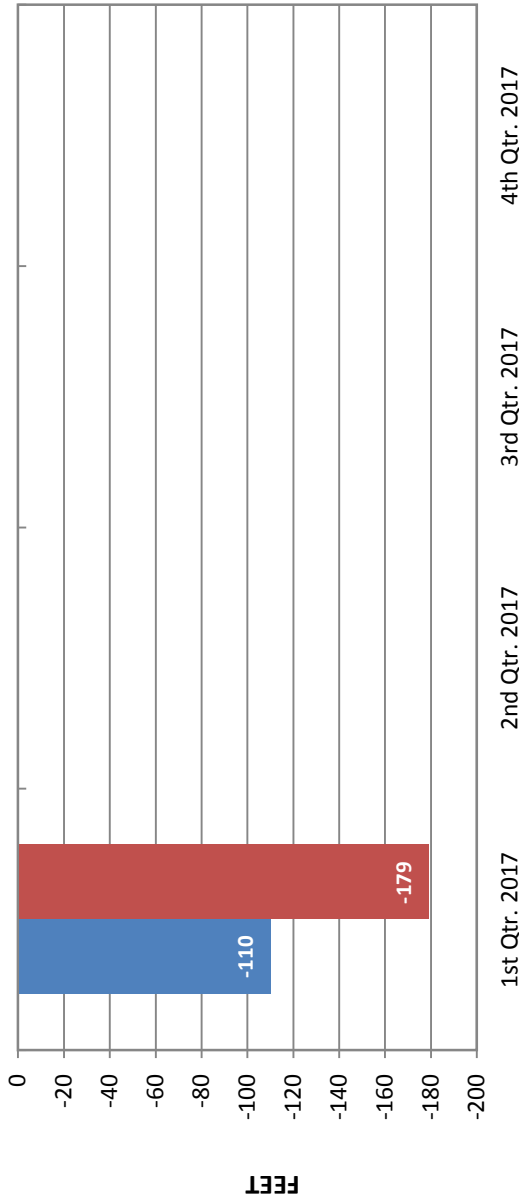
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 11D Dino

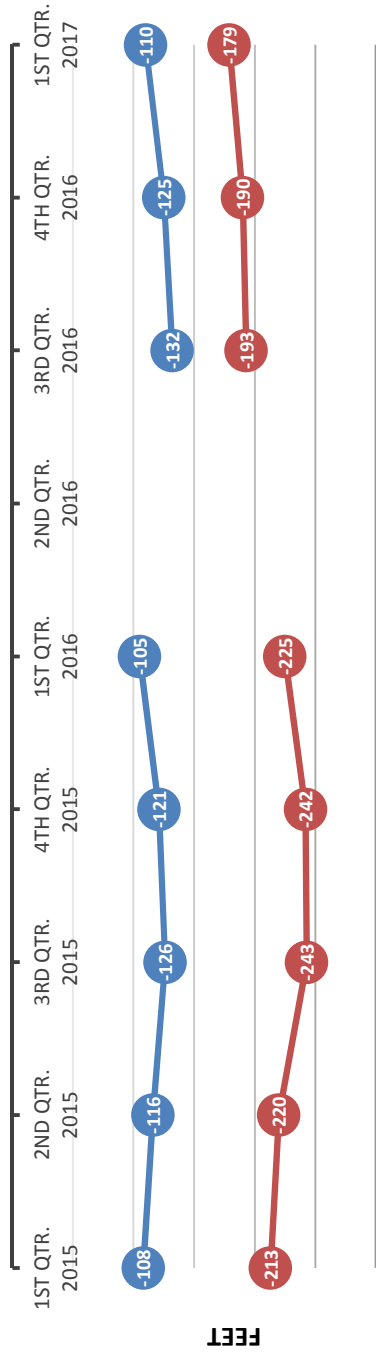


Latest Well Sounding

Static: 110 Ft
Pumping: 179 Ft
Drawdown: 69 Ft
GPM: 1,808.00
Specific Capacity: 26.203

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

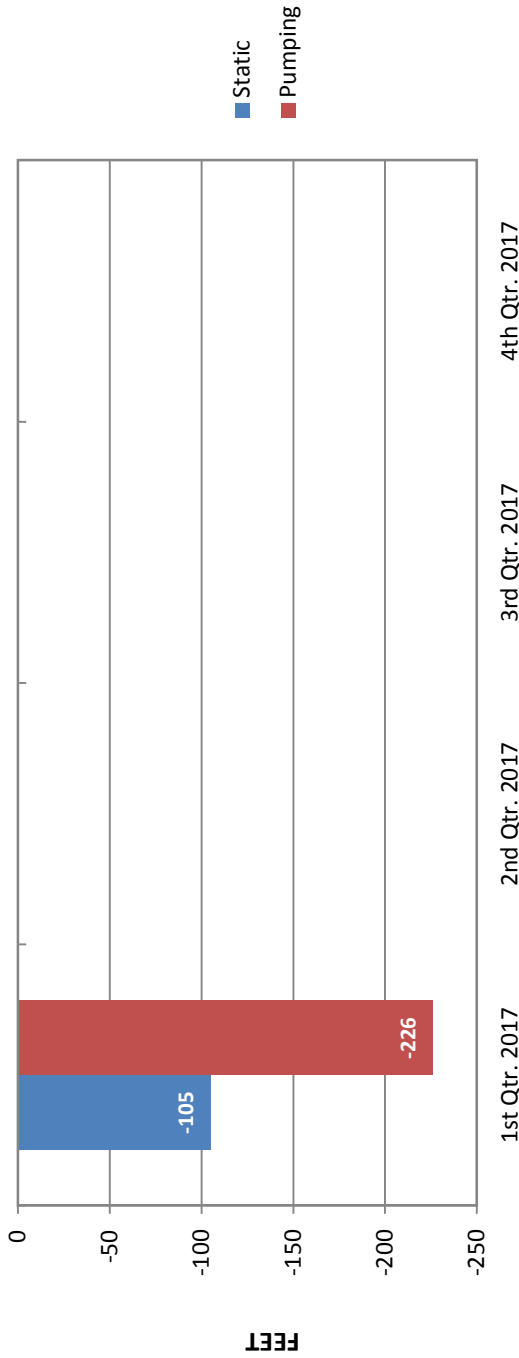
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

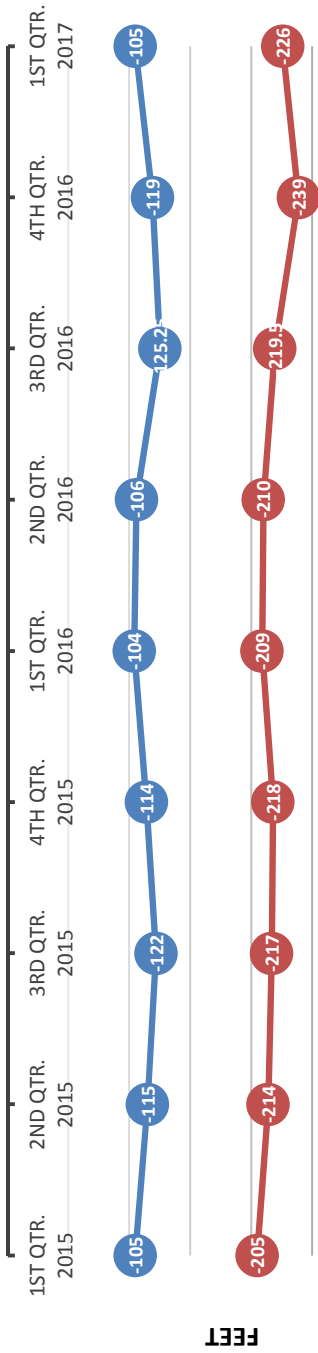
Well 14D Railroad



Latest Well Sounding

Static: 105 Ft
Pumping: 226 Ft
Drawdown: 121 Ft
GPM: 1,535.00
Specific Capacity: 12.686

Sounding Quarter/Year



Latest Sand Tester Results:

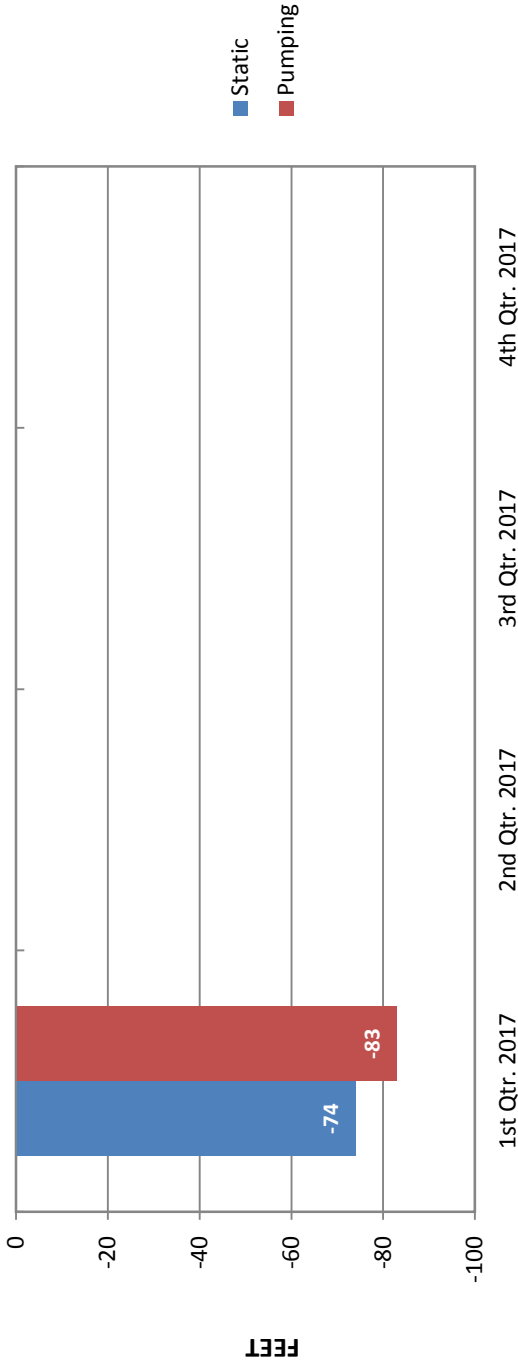
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

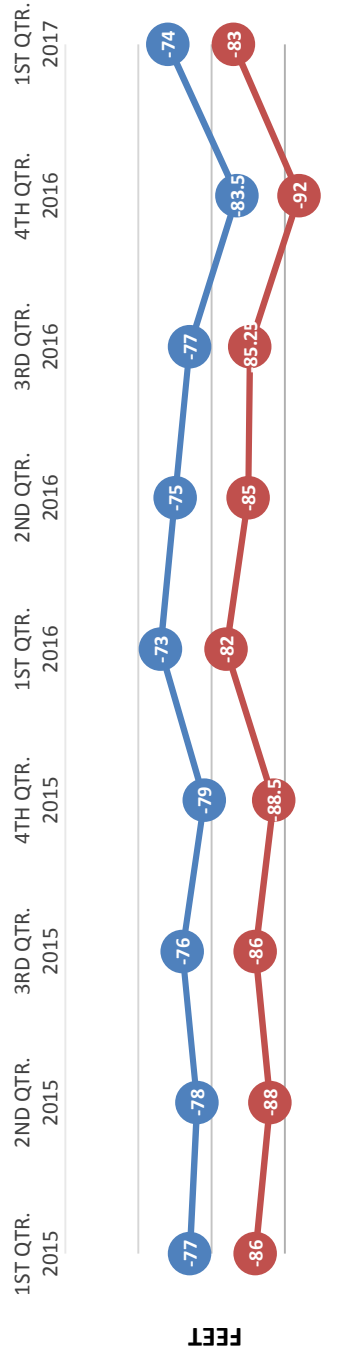
Well 3 Mar-Val



Latest Well Sounding

Static: 74 Ft
 Pumping: 83 Ft
 Drawdown: 9 Ft
 GPM: 870.00
 Specific Capacity: 96.667

Sounding Quarter/Year



Latest Sand Tester Results:

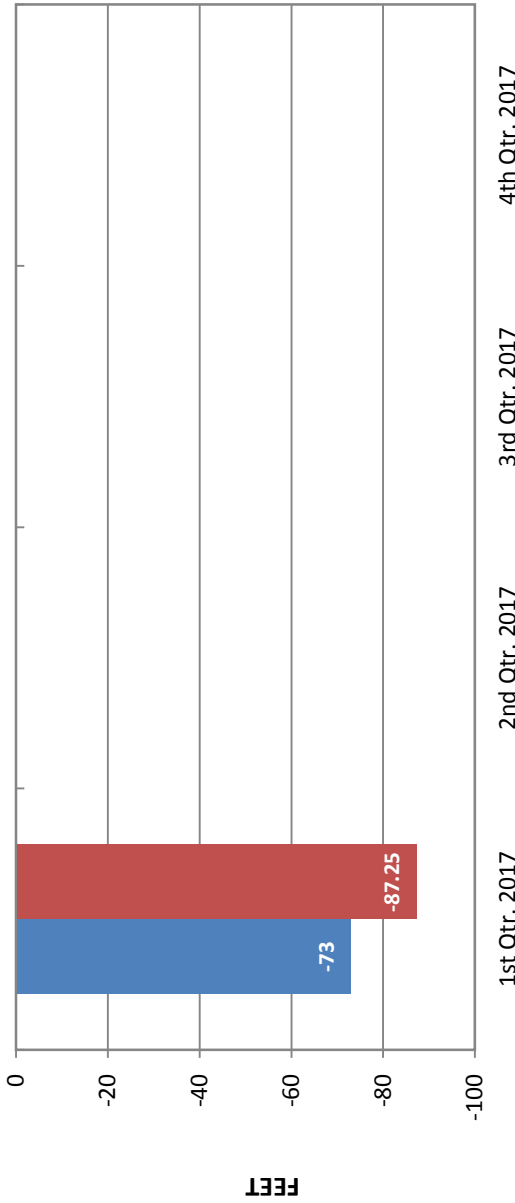
15 Min: 10.566 ppm



Elk Grove Water District

Static and Pumping Levels

Well 8 Williamson

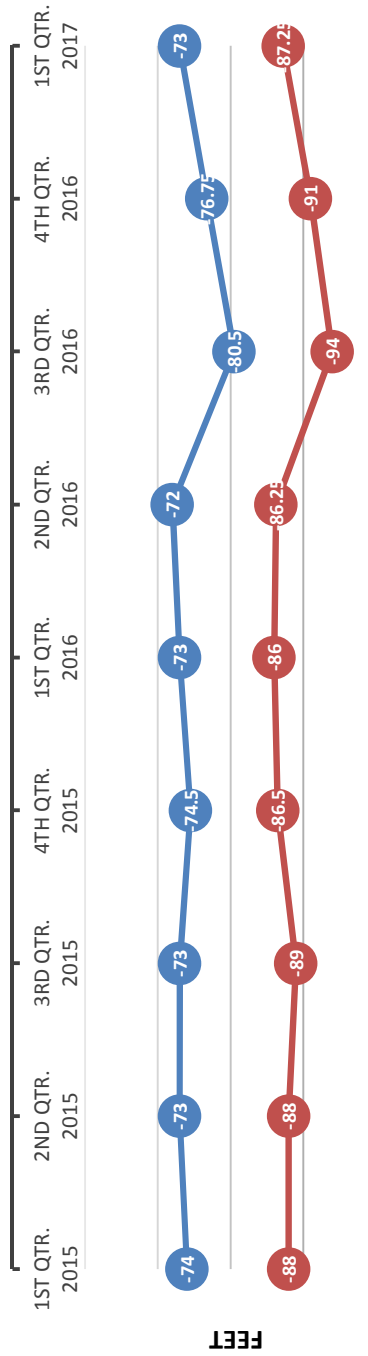


Latest Well Sounding

Static: 73 Ft
Pumping: 87.25 Ft
Drawdown: 14.25 Ft
GPM: 820.00
Specific Capacity: 57.544

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

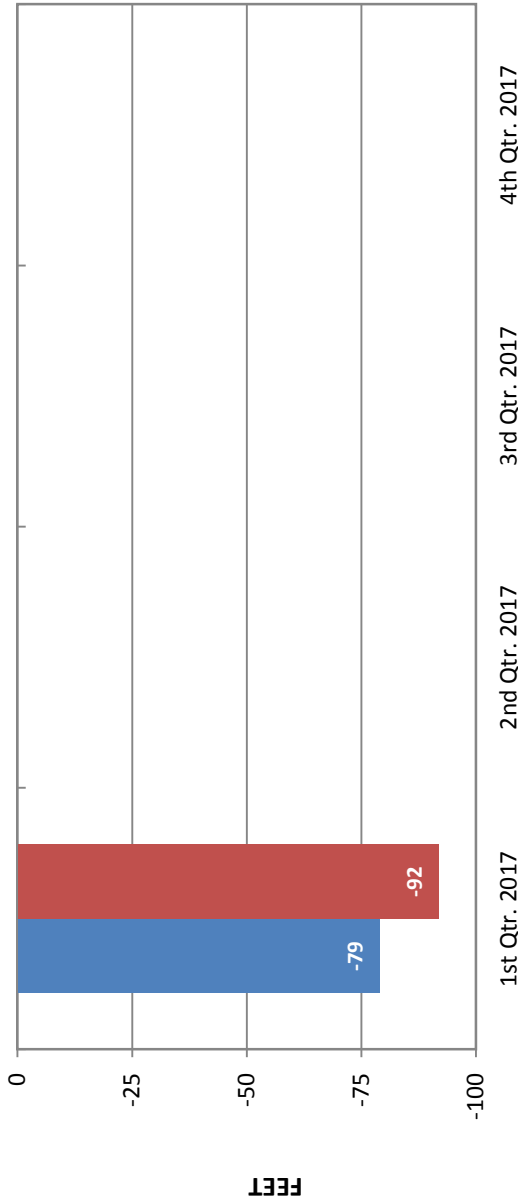
15 Min: 3.52 ppm



Elk Grove Water District

Static and Pumping Levels

Well 9 Polhemus

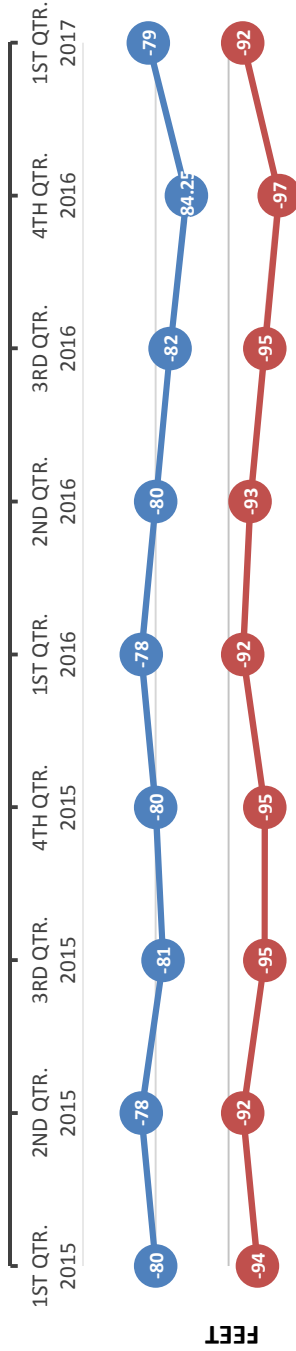


Latest Well Sounding

Static: 79 Ft
 Pumping: 92 Ft
 Drawdown: 13 Ft
 GPM: 480.00
 Specific Capacity: 36.923

■ Static
 ■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

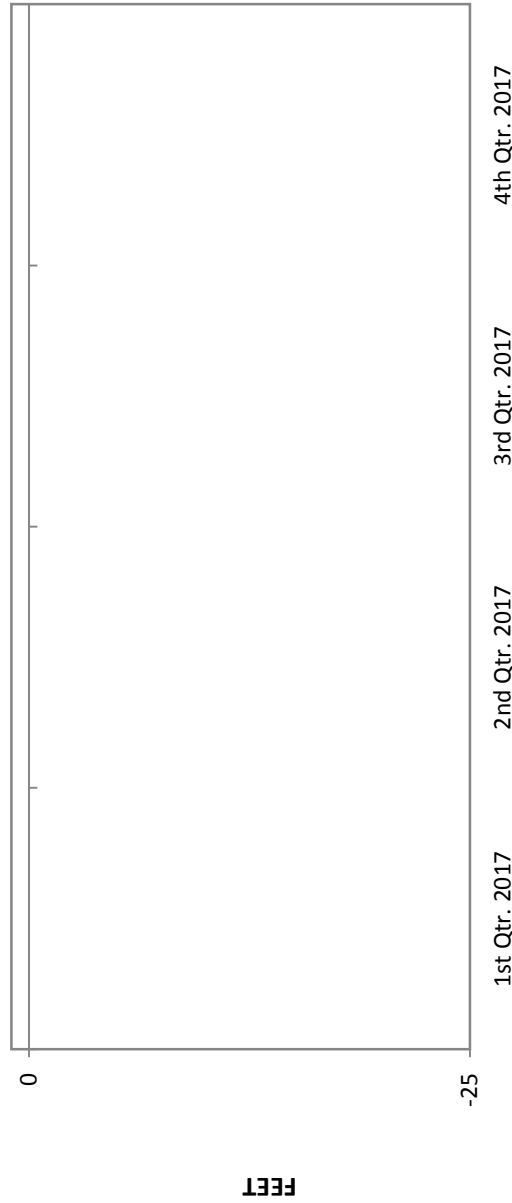
15 Min: < 5 ppm



Elk Grove Water District

Static and Pumping Levels

Well 13 Hampton



Latest Well Sounding

Static: 85 Ft

Pumping: 101 Ft

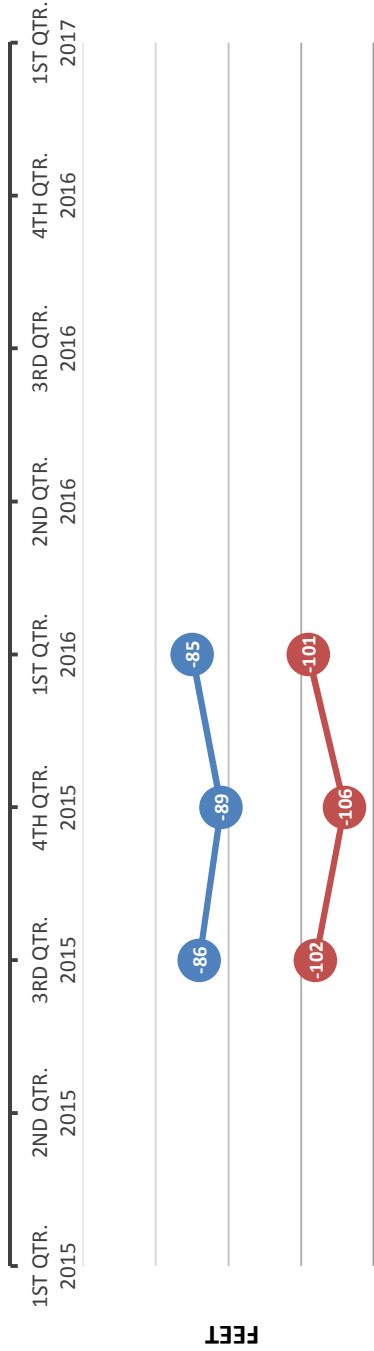
Drawdown: 16 Ft

GPM: 990.00

Specific Capacity: 61.875

■ Static
■ Pumping

Sounding Quarter/Year



Latest Sand Tester Results:

15 Min: < 5 ppm

**Monthly Sample Report - January 2017
Water System: Elk Grove Water System**

| Sampling Point: 01 - 8693 W. Camden | | | |
|-------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | TTHM's & HAA5 | Quarterly |

| Sampling Point: School Well 01D - Raw Water | | | |
|---------------------------------------------|--------------|---------------------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/5/2017 | Source Water | 3 mo - Bacteriological | Quarterly |
| 1/5/2017 | Source Water | 3 mo - Fe,Mn,As Total | Quarterly |
| 1/5/2017 | Source Water | 3 mo - Fe,Mn,As Dissolved | Quarterly |
| 1/5/2017 | Source Water | Full Title 22 Sampling | Tri - Annually |

| Sampling Point: 02 - 9425 Emerald Vista | | | |
|-----------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | TTHM's & HAA5 | Quarterly |

| 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 |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: Webb Well 04D - Raw Water | | | |
|-------------------------------------------|--------------|---------------------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/31/2017 | Source Water | 3 mo - Bacteriological | Quarterly |
| 1/31/2017 | Source Water | 3 mo - Fe,Mn,As Total | Quarterly |
| 1/31/2017 | Source Water | 3 mo - Fe,Mn,As Dissolved | Quarterly |
| 1/31/2017 | Source Water | Full Title 22 Sampling | Tri - Annually |

| Sampling Point: 04 - 10122 Glacier Point | | | |
|------------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: 05 - 9230 Amsden Ct. | | | |
|--------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: 06 - 9227 Rancho Dr. | | | |
|--------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: 07 - Al Gates Park Mainline Dr. | | | |
|-------------------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: - Williamson Well 8 Raw Water | | | |
|-----------------------------------------------|--------------|-------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |

| Sampling Point: 09 - 9436 Hollow Springs Wy. | | | |
|----------------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | TTHM's & HAA5 | Quarterly |

| 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 |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: 10 - 9373 Oreo Ranch Cir. | | | |
|-------------------------------------------|---------------------|-----------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/3/2017 | Distribution System | Bacteriological | Week |
| 1/9/2017 | Distribution System | Bacteriological | Week |
| 1/17/2017 | Distribution System | Bacteriological | Week |
| 1/24/2017 | Distribution System | Bacteriological | Week |
| 1/31/2017 | Distribution System | Bacteriological | Week |

| Sampling Point: Dino Well 11D - Raw Water | | | |
|-------------------------------------------|--------------|---------------------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/5/2017 | Source Water | 3 mo - Bacteriological | Quarterly |
| 1/5/2017 | Source Water | 3 mo - Fe,Mn,As Total | Quarterly |
| 1/5/2017 | Source Water | 3 mo - Fe,Mn,As Dissolved | Quarterly |
| 1/5/2017 | Source Water | Full Title 22 Sampling | Tri - Annually |

| Sampling Point: Hampton Well 13 - Raw Water | | | |
|---------------------------------------------|--------------|-------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |

| Sampling Point: Hampton WTP Effluent | | | |
|--------------------------------------|--------------|-------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |

| Sampling Point: Hampton WTP Backwash Tank | | | |
|-------------------------------------------|--------------|-------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |

| Sampling Point: Railroad Well 14D - Raw Water | | | |
|-----------------------------------------------|--------------|---------------------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/31/2017 | Source Water | 3 mo - Bacteriological | Quarterly |
| 1/31/2017 | Source Water | 3 mo - Fe,Mn,As Total | Quarterly |
| 1/31/2017 | Source Water | 3 mo - Fe,Mn,As Dissolved | Quarterly |
| 1/31/2017 | Source Water | Full Title 22 Sampling | Tri - Annually |

| Sampling Point: Railroad WTP Effluent | | | |
|---------------------------------------|------------------------|---------------------------------|-----------------------|
| Sample Date | Sample Class | Sample Name | Collection Occurrence |
| 1/31/2017 | Treated Plant Effluent | WTP Eff - Fe,Mn,As,Al Total | Month |
| 1/31/2017 | Treated Plant Effluent | WTP Eff - Fe,Mn,As,Al Dissolved | Month |
| 1/31/2017 | Treated Plant Effluent | Full Title 22 Sampling | Tri - Annually |

| Sampling Point: Special Distribution/Construction Samples | | | |
|-----------------------------------------------------------|--------------|-------------|------------------------|
| Sample Date | Sample Class | Sample Name | Collection Description |
| | | | |

| | | |
|-------------------------|----------------------|---------------------|
| <u>Colors</u> | <u>Monthly Total</u> | <u>Yearly Total</u> |
| Black = Scheduled | 64 | 64 |
| Green = Unscheduled | 5 | 5 |
| Red = Incomplete Sample | 0 | 0 |



February 2, 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 January 2017.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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

STEVE SHAW
WATER TREATMENT SUPERVISOR

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

| | |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| System Name <p style="text-align: center; font-size: 1.2em;">Elk Grove Water District</p> | System Number <p style="text-align: center; font-size: 1.2em;">3410008</p> |
| Sampling Period <p style="text-align: center; font-size: 1.2em; color: blue;">January</p> | Year <p style="text-align: center; font-size: 1.2em;">2017</p> |

| | Number Required | Number Collected | Number Total Coliform Positives | Number Fecal/ E.coli Positives |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|---------------------------------------------------------|---------------------------------------------------------|
| 1. Routine Samples (see note 1) | 50 | 50 | 0 | 0 |
| 2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli Negative (see notes 5 and 6) | | 0 | 0 | <input style="width: 40px; height: 20px;" type="text"/> |
| 3. Repeat Samples following Routine Samples that are Total Coliform Positive and Fecal/E.coli Positive (see notes 5 and 6) | | 0 | <input style="width: 40px; height: 20px;" type="text"/> | <input style="width: 40px; height: 20px;" type="text"/> |
| 4. MCL Computation for Total Coliform Positive Samples | | | | |
| a. Totals (sum of columns) | | 50 | 0 | |
| b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] = | 0 | % | | |
| c. Is system in compliance...with fecal/E. coli MCL? (see notes 2 and 3) | <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | |
| ...with monthly MCL? (see note 4) | <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | |
| 5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8) | | 0 | 0 | <input style="width: 40px; height: 20px;" 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 style="text-align: center; font-size: 1.2em;">Water Treatment Supervisor</p> | Date <p style="text-align: center; font-size: 1.2em;">2/2/2017</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 fecal/*E. coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal/*E. coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).
4. Total coliform MCL (**Notify Department within 24 hours of MCL violation**):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E. coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**



February 3, 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 January 2017.

If you have any further questions, you may contact me at 916-687-3155 ext. 102.

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: Thomas Martin | Wastewater Source Control Section |
| Phone # (916) 876-7378 | Fax # (916) 876-6374 |
| From: Steve Shaw | |
| Company: Elk Grove Water Service | Permit# WTP010 |

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

| | | | |
|--------|---|-------|------|
| Month: | 1 | Year: | 2017 |
|--------|---|-------|------|

| | | | |
|-------------------------------------|--------------------------------------|---------------------|-------------|
| <input checked="" type="checkbox"/> | Water use/flow meter report | Railroad WTP: 71764 | |
| | | Hampton WTP: 0 | |
| | | Date | Time |
| | | | pH |
| | Monitoring results/analytical report | Hampton WTP | |
| | | Railroad WTP | |

Discharge Rate

Check the statement below that applies to this report:

Based on a review of this facilities 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 | 18 | 25 | 1350 |
| Office | 4 | 18 | 20 | 1440 |
| Drivers/Field | 19 | 18 | 5 | 1710 |
| Total | | | | 4500 |

Certification Statement

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations".

SIGNATURE of Authorized Representative:

PRINTED NAME, TITLE: Steve Shaw Water Treatment Supervisor

(Name) (Title)

DATE: 2-3-2017

Elk Grove Water District Monthly Waste Report January 2017

| Date | Railroad WTP Waste Meter | Gallons | Hampton WTP Waste Meter | Gallons |
|------|--------------------------|---------|-------------------------|---------|
| 1 | 10804893 | 0 | 82978 | 0 |
| 2 | 10804893 | 0 | 82978 | 0 |
| 3 | 10804893 | 0 | 82978 | 0 |
| 4 | 10804893 | 0 | 82978 | 0 |
| 5 | 10804893 | 0 | 82978 | 0 |
| 6 | 10804893 | 0 | 82978 | 0 |
| 7 | 10804893 | 0 | 82978 | 0 |
| 8 | 10804893 | 0 | 82978 | 0 |
| 9 | 10804893 | 0 | 82978 | 0 |
| 10 | 10804893 | 0 | 82978 | 0 |
| 11 | 10804893 | 0 | 82978 | 0 |
| 12 | 10804893 | 0 | 82978 | 0 |
| 13 | 10804893 | 0 | 82978 | 0 |
| 14 | 10804893 | 0 | 82978 | 0 |
| 15 | 10804893 | 0 | 82978 | 0 |
| 16 | 10804893 | 0 | 82978 | 0 |
| 17 | 10804893 | 0 | 82978 | 0 |
| 18 | 10804893 | 0 | 82978 | 0 |
| 19 | 10804893 | 0 | 82978 | 0 |
| 20 | 10804893 | 0 | 82978 | 0 |
| 21 | 10804893 | 0 | 82978 | 0 |
| 22 | 10804893 | 0 | 82978 | 0 |
| 23 | 10804893 | 0 | 82978 | 0 |
| 24 | 10804893 | 0 | 82978 | 0 |
| 25 | 10804893 | 0 | 82978 | 0 |
| 26 | 10809180 | 4287 | 82978 | 0 |
| 27 | 10876657 | 67477 | 82978 | 0 |
| 28 | 10876657 | 0 | 82978 | 0 |
| 29 | 10876657 | 0 | 82978 | 0 |
| 30 | 10876657 | 0 | 82978 | 0 |
| 31 | 10876657 | 0 | 82978 | 0 |

Elk Grove Water District

Preventative Maintenance Program

Groundwater Wells

| Monthly | | | | | | | | | | | | | Semi-annual | | | Annual | | |
|-----------------------------|---------------------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|------------|-----------|------------|------|--|
| Refer. | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | Refer. | 1ST 6-MO. | 2ND 6-MO. | Refer. | 2017 | |
| Well 14D Railroad | Initials Date W.O.# | WQ 1/4/17 14584 | | | | | | | | | | | Sect: 7.1 | Sect: 7.2 | | Sect: 7.3 | | |
| Well 4D Webb | Initials Date W.O.# | WQ 1/5/17 14586 | | | | | | | | | | | Sect: 8.1 | Sect: 8.2 | | Sect: 8.3 | | |
| Well 11D Pino | Initials Date W.O.# | WQ 1/9/17 14587 | | | | | | | | | | | Sect: 9.1 | Sect: 9.2 | | Sect: 9.3 | | |
| Well 1D School | Initials Date W.O.# | WQ 1/3/17 14585 | | | | | | | | | | | Sect: 13.1 | Sect: 13.2 | | Sect: 13.3 | | |
| Well 3 Mar-Val | Initials Date W.O.# | WQ 1/10/17 14588 | | | | | | | | | | | Sect: 12.1 | Sect: 12.2 | | Sect: 12.4 | | |
| Well 8 Williamson | Initials Date W.O.# | AH 1/6/17 14589 | | | | | | | | | | | Sect: 11.1 | Sect: 11.2 | | Sect: 11.4 | | |
| Well 9 Polhemus | Initials Date W.O.# | WQ 1/6/17 14590 | | | | | | | | | | | Sect: TBD | Sect: TBD | | Sect: TBD | | |

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. | 6-1st | 6-2nd | 6-3rd | 6-4th | Refer. | 2017 | | | | |
| Clor-Tec System | Section: 4.2 Initials: WQ Date: 1/12/17 W.O. #: 14591 | | | | | | | | | | | | | Section: 4.3 | | | | | Section: 4.4 | | | | | | | | | Section: 4.4 | |
| Filter System | Section: 5.1 Initials: WQ Date: 1/25/17 W.O. #: 14592 | | | | | | | | | | | | | Section: 5.2 | | | | | Section: 5.3 | | | | | | | | | Section: 5.3 | |
| Backwash System | Section: 2.1 Initials: WQ Date: 1/25/17 W.O. #: 14593 | | | | | | | | | | | | | Section: 2.2 | | | | | Section: 2.3 | | | | | | | | | Section: 2.3 | |
| Booster Pumps | Section: 3.1 Initials: WQ Date: 1/25/17 W.O. #: 14594 | | | | | | | | | | | | | Section: 1.1 | | | | | | | | | | | | | Section: 3.2 | | |
| LAB | Initials: WQ Date: 1/25/17 W.O. #: 14594 | | | | | | | | | | | | | Section: 1.1 | | | | | | | | | | | | | Section: 1.2 | | |
| Clear Wells | Initials: WQ Date: 1/25/17 W.O. #: 14594 | | | | | | | | | | | | | Section: 1.1 | | | | | | | | | | | | | Section: 2.4 | | |
| MCC | Initials: WQ Date: 1/25/17 W.O. #: 14594 | | | | | | | | | | | | | Section: 1.1 | | | | | | | | | | | | | Section: 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 | 6th | 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 | | | | | | | | | | | | Section: | TBD |
| | Date | 1/4/17 | | | | | | | | | | | | | |
| | W.O. # | 14595 | | | | | | | | | | | | | |
| Webb | Initials | WQ | | | | | | | | | | | | Section: | TBD |
| | Date | 1/5/17 | | | | | | | | | | | | | |
| | W.O. # | 14597 | | | | | | | | | | | | | |
| Dino | Initials | WQ | | | | | | | | | | | | Section: | TBD |
| | Date | 1/9/17 | | | | | | | | | | | | | |
| | W.O. # | 14596 | | | | | | | | | | | | | |
| Hampton | Initials | | | | | | | | | | | | | Section: | TBD |
| | Date | | | | | | | | | | | | | | |
| | W.O. # | | | | | | | | | | | | | | |
| Admin. | Initials | | | | | | | | | | | | | Section: | TBD |
| | Date | | | | | | | | | | | | | | |
| | W.O. # | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

= Load Test

Elk Grove Water District
Backflow Prevention Program 2017

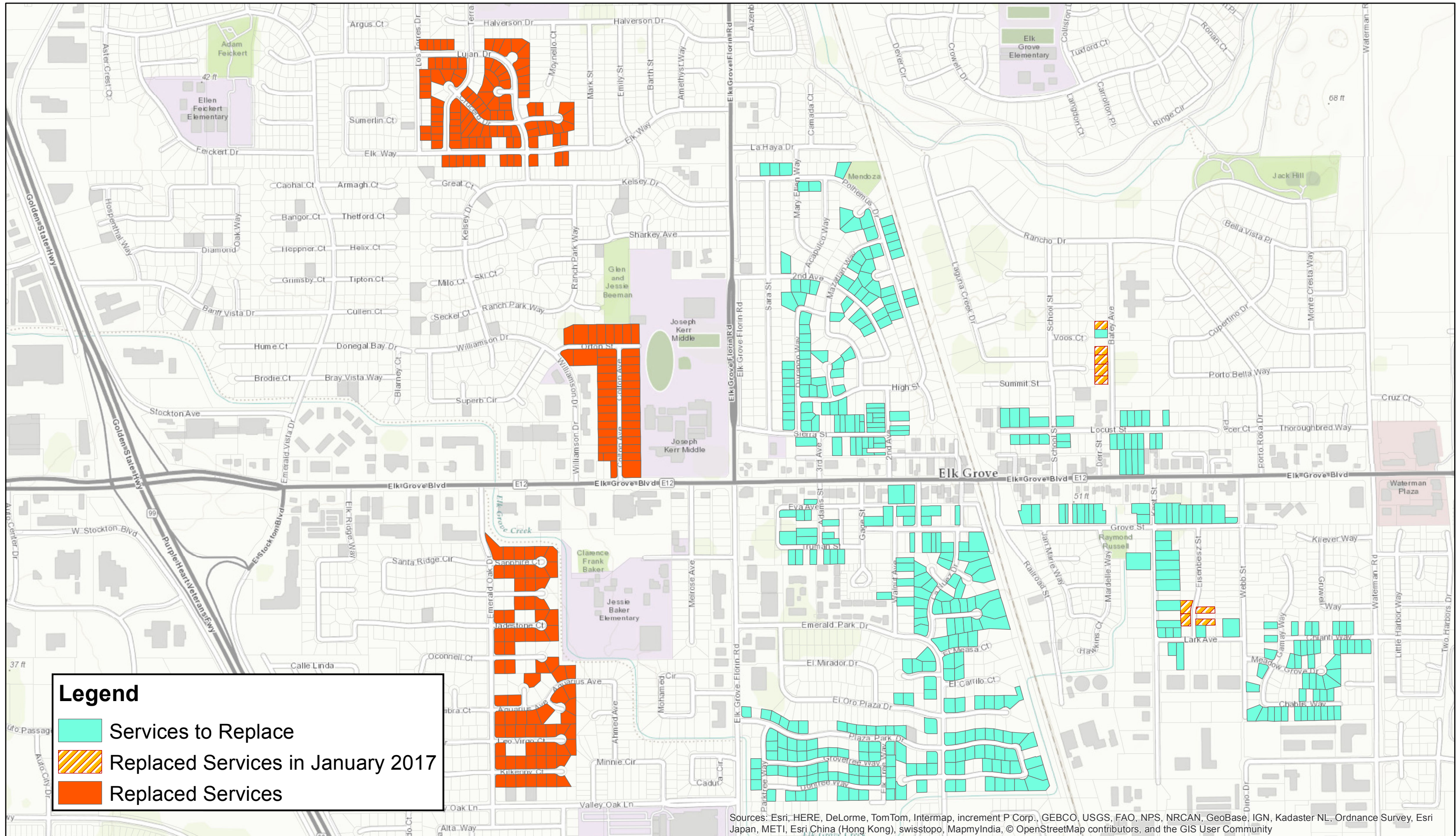
| Backflow Device Reports | | | | | | | | | | | | |
|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| CURRENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| Notices Issued | 39 | | | | | | | | | | | |
| Results Received | | | | | | | | | | | | |
| Pass: | 28 | | | | | | | | | | | |
| Fail: | 2 | | | | | | | | | | | |
| Failed Devices Retested----Passed | 1 | | | | | | | | | | | |
| Outstanding Results Due | 10 | | | | | | | | | | | |

| DELINQUENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Investigations | | | | | | | | | | | | |
| Deactivated Devices | | | | | | | | | | | | |
| Closed Account | | | | | | | | | | | | |
| Sent: | 10 | | | | | | | | | | | |
| Received: | 6 | | | | | | | | | | | |
| Sent: | | | | | | | | | | | | |
| Received: | | | | | | | | | | | | |
| Schedule Code Changed | | | | | | | | | | | | |
| Outstanding Delinquents | | | | | | | | | | | | |
| Carryover from 2016 | 0 | | | | | | | | | | | |

| | |
|--------------------------------------|----------|
| Total Outstanding Delinquents | 4 |
|--------------------------------------|----------|

Elk Grove Water District
Safety Meetings/Training
January 2017

| Date | Topic | Attendees | Hosted By |
|-----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1/3/2017 | Electrical Hazards | Alan Aragon, Jose Carrillo, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson | Erick Watkins |
| 1/9/2017 | Working in the Rain | Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson | Erick Watkins |
| 1/17/2017 | Heavy Equipment | Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, Wilfredo Quintero, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson | Erick Watkins |
| 1/23/2017 | Overview Lockout/Tagout | Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Sal Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Brandon Wagner, Marcell Wilson | Erick Watkins |
| 1/26/2017 | Accident Protocol | All Staff Required to Attend | Erick Watkins |
| 1/30/2017 | High Voltage Clearance | Alan Aragon, Jose Carrillo, John Diaz, Travis Franklin, Dave Frederick, Aaron Hewitt, Sean Hinton, Justin Mello, Jose Mendoza, Michael Montiel, Chris Phillips, Wilfredo Quintero, William Sadler, Aurelia Salandez, Richard Salas, Steve Shaw, John Vance, Marcell Wilson | Erick Watkins |



Legend

- Services to Replace
- Replaced Services in January 2017
- Replaced Services

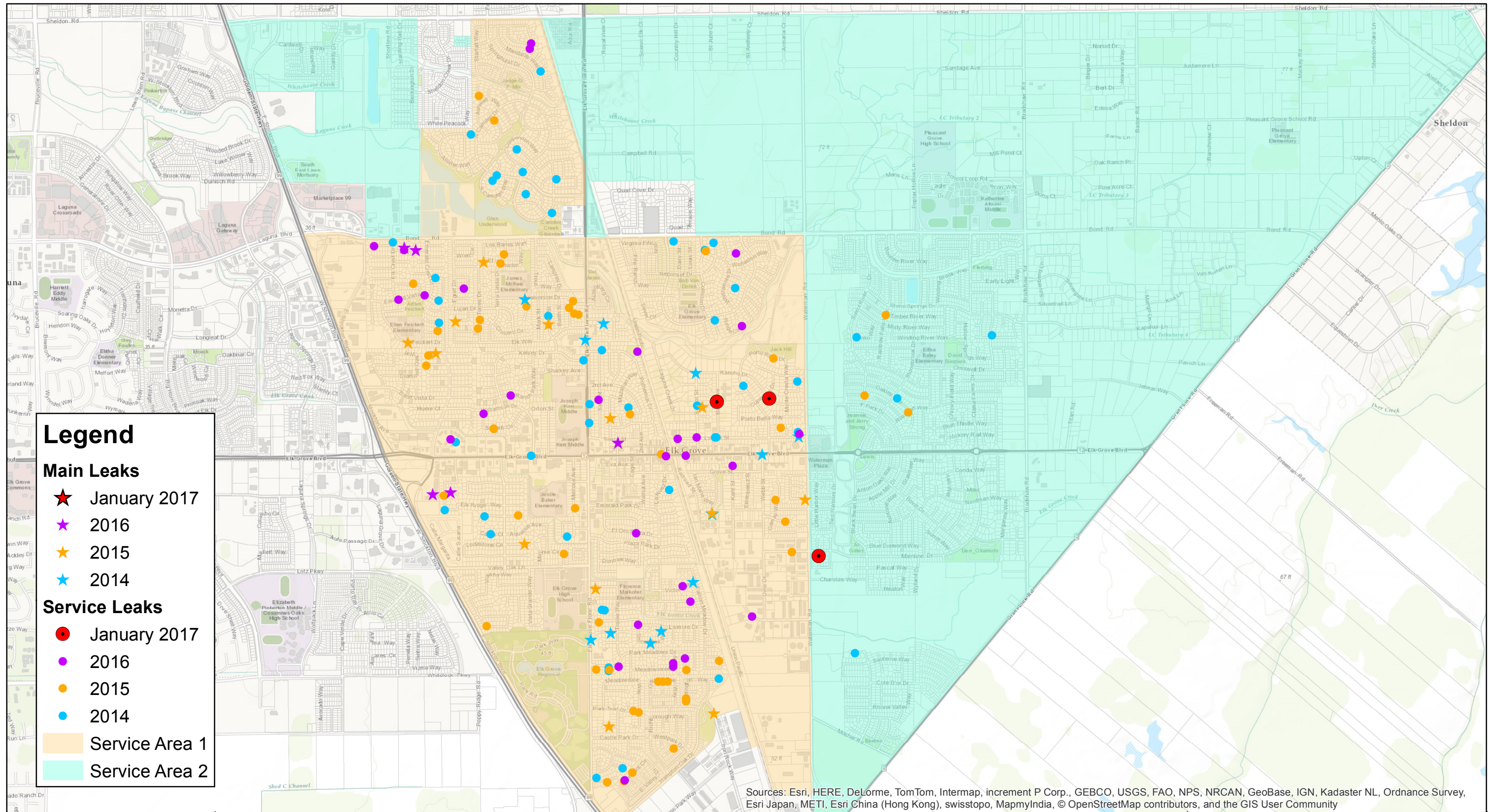
Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

| |
|--------------------------------------|
| Services to Replace: 401 |
| Services Replaced in January 2017: 9 |
| Total Service Replaced: 228 |

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: February 7, 2017 |



Legend

Main Leaks

- ★ January 2017
- ★ 2016
- ★ 2015
- ★ 2014

Service Leaks

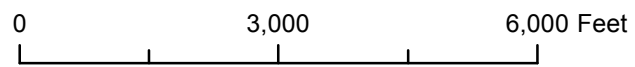
- January 2017
- 2016
- 2015
- 2014
- Service Area 1
- Service Area 2

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

| | |
|-----------------------|--------|
| January 2017 | |
| Main Line Leaks: 0 | YTD: 0 |
| Service Line Leaks: 3 | YTD: 3 |
| Total Leaks: 3 | YTD: 3 |



**Elk Grove Water District
Main and Service Line Leaks Map**

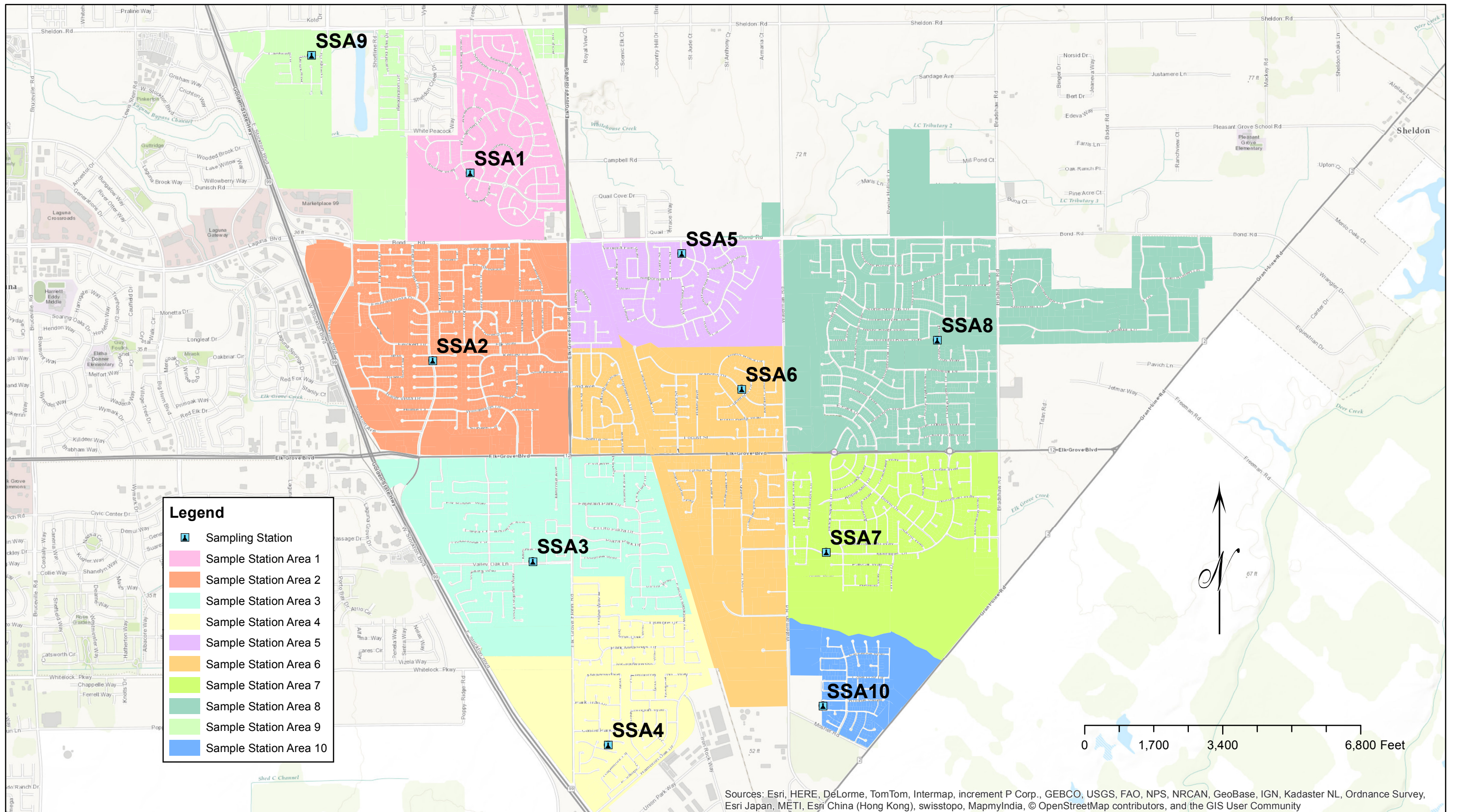


Elk Grove Water District

Service / Main Leaks

Created by: Travis Franklin

Date: February 6, 2016



Sample Stations: 10



Elk Grove Water District

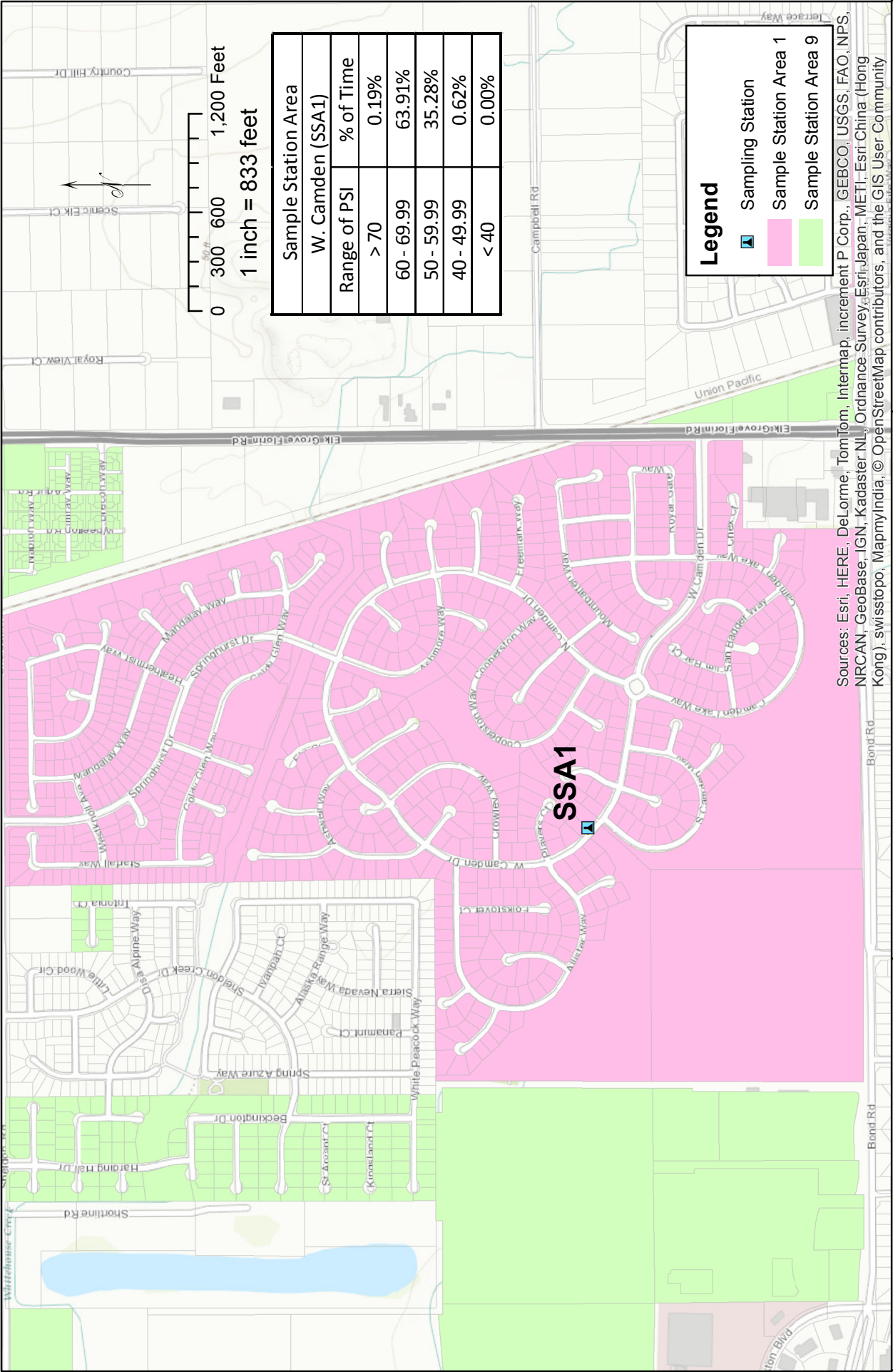
Sample Station Areas

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

Source: EGWD GIS database

Modified by: Travis Franklin

February 6, 2017



| Sample Station Area | |
|---------------------|-----------|
| W. Camden (SSA1) | |
| Range of PSI | % of Time |
| > 70 | 0.19% |
| 60 - 69.99 | 63.91% |
| 50 - 59.99 | 35.28% |
| 40 - 49.99 | 0.62% |
| < 40 | 0.00% |

Legend

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

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), swisslipo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Sample Station #1

Note: Sample Station takes a reading every 5 minutes.

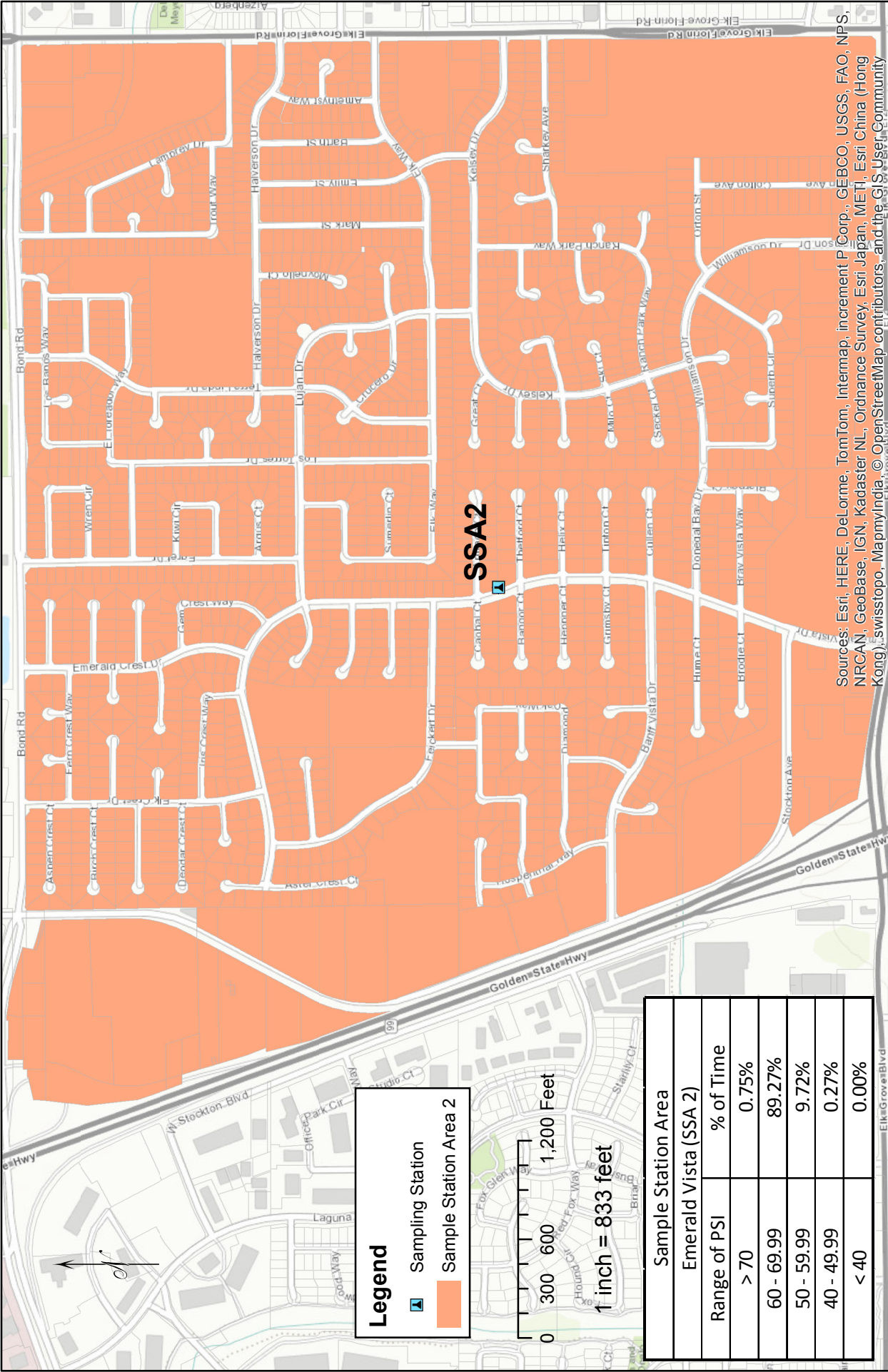
January 2017

Elk Grove Water District



System Pressure Monitoring

North Resource Conservation District

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source:EGWD GIS database
 Created by: Travis Franklin
 February 6, 2017



Legend

-  Sampling Station
-  Sample Station Area 2



| Sample Station Area | % of Time |
|-----------------------|-----------|
| Emerald Vista (SSA 2) | |
| Range of PSI | |
| > 70 | 0.75% |
| 60 - 69.99 | 89.27% |
| 50 - 59.99 | 9.72% |
| 40 - 49.99 | 0.27% |
| < 40 | 0.00% |

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

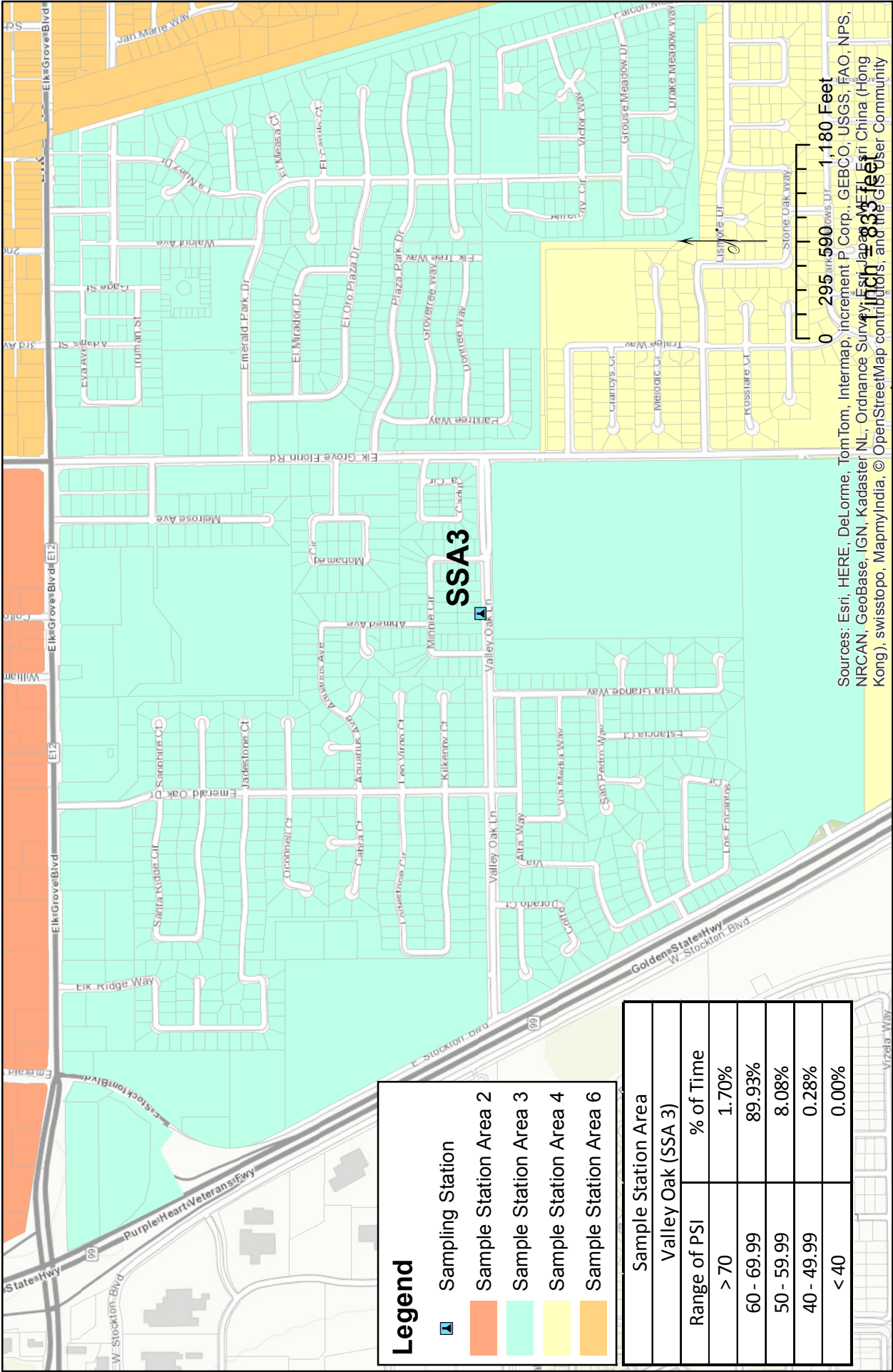
Sample Station #2

Note: Sample Station takes a reading every 5 minutes.

January 2017

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

Source: EGWD GIS database
Created by: Travis Franklin
February 6, 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

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 | 1.70% |
| 60 - 69.99 | 89.93% |
| 50 - 59.99 | 8.08% |
| 40 - 49.99 | 0.28% |
| < 40 | 0.00% |

Sample Station #3

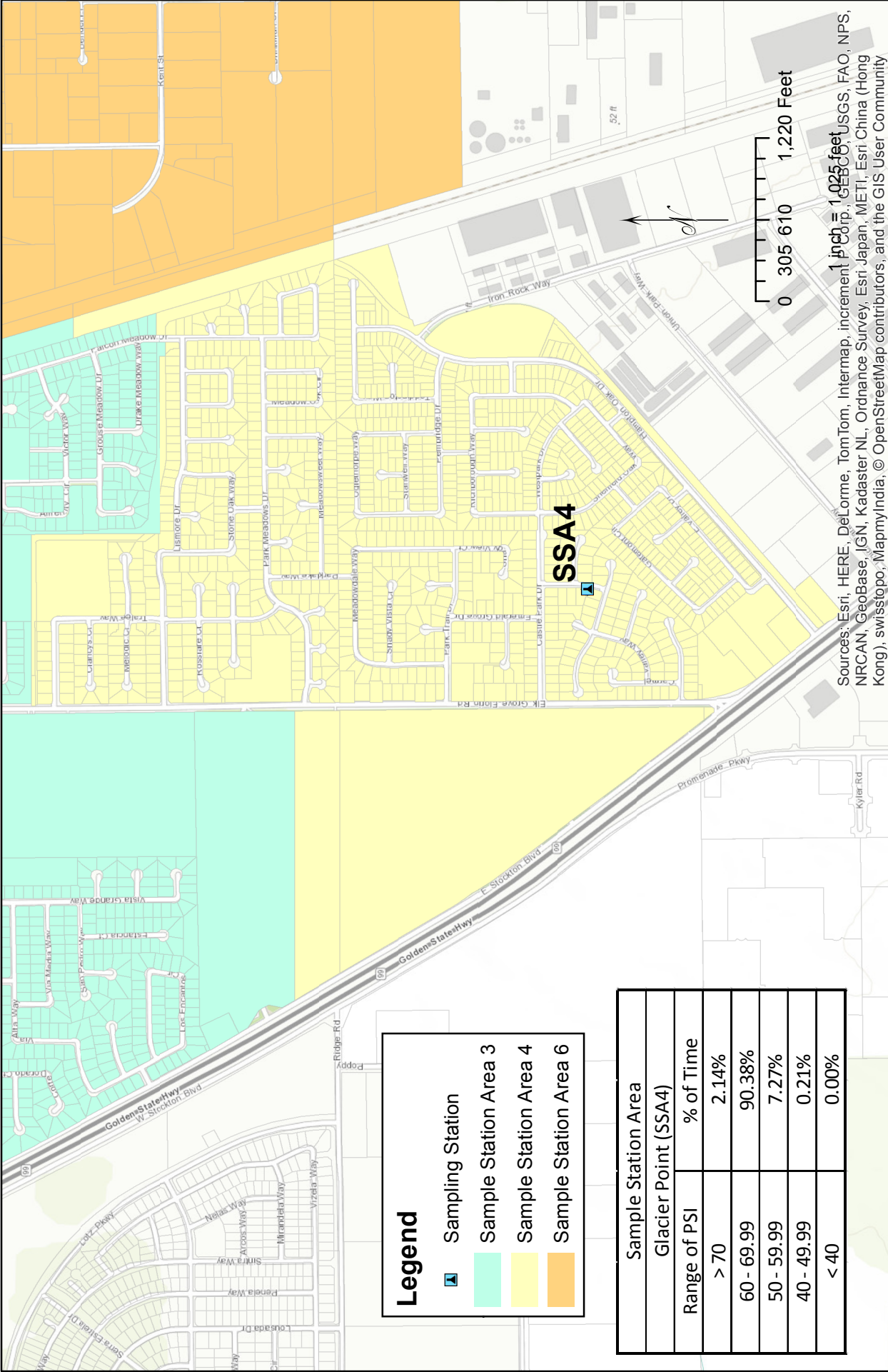
Note: Sample Station takes a reading every 5 minutes.

January 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
February 6, 2017



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 | 2.14% |
| 60 - 69.99 | 90.38% |
| 50 - 59.99 | 7.27% |
| 40 - 49.99 | 0.21% |
| < 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
 February 6, 2017

Sample Station #4

Note: Sample Station takes a reading every 5 minutes.

January 2017

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



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 | 0.04% |
| 60 - 69.99 | 8.26% |
| 50 - 59.99 | 90.01% |
| 40 - 49.99 | 1.68% |
| < 40 | 0.00% |



Elk Grove Water District

System Pressure Monitoring

Sample Station #5

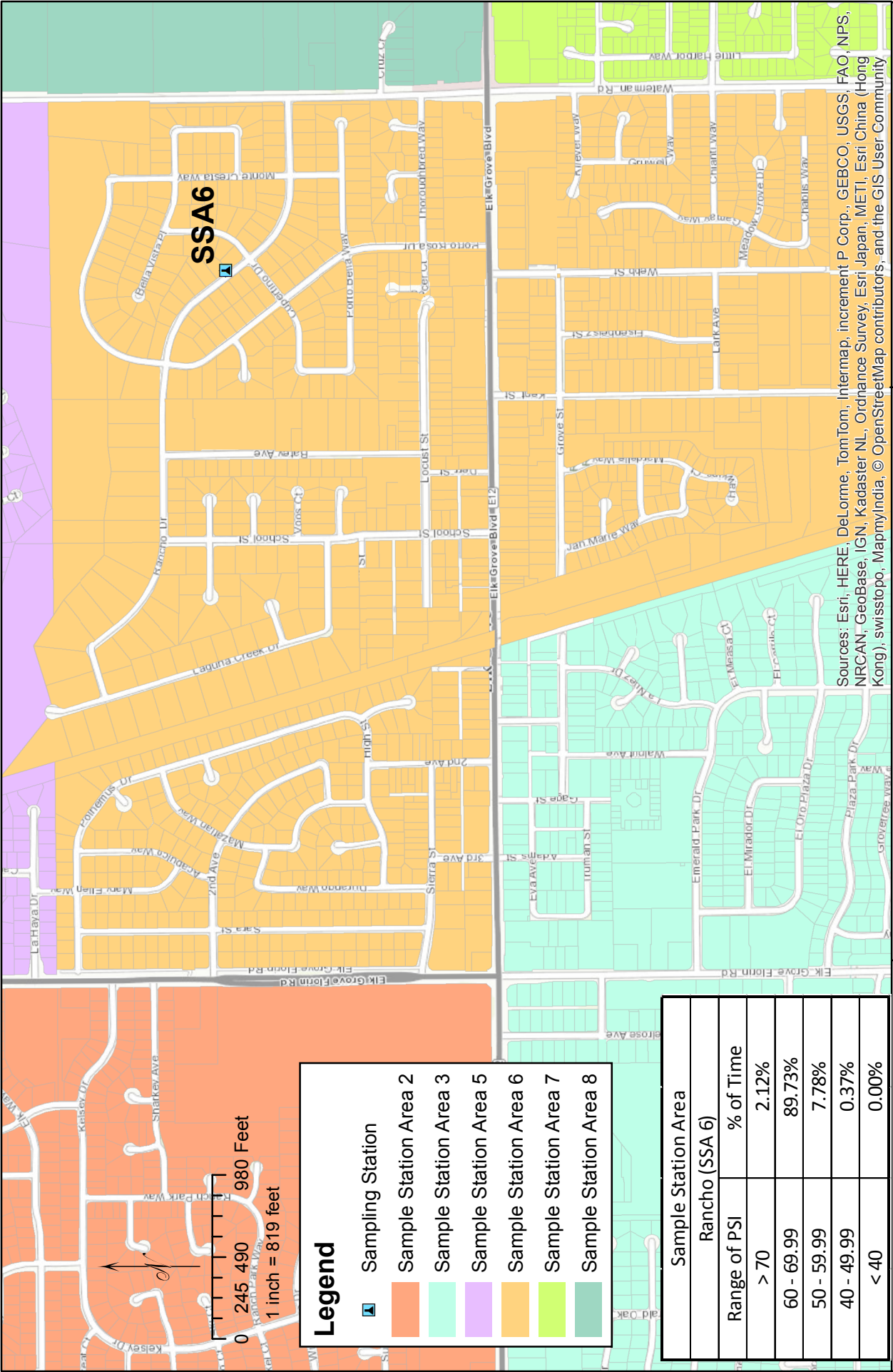
Notes: Sample Station takes a reading every 5 minutes.

January 2017

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

Source: EGWD GIS database

Created by: Travis Franklin
 February 6, 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

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 | 2.12% |
| | 60 - 69.99 | 89.73% |
| | 50 - 59.99 | 7.78% |
| | 40 - 49.99 | 0.37% |
| | < 40 | 0.00% |

Sample Station #6

Note: Sample Station takes a reading every 5 minutes.

January 2017

Eik 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
February 6, 2017



Legend

- 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 | 15.08% |
| 60 - 69.99 | 83.23% |
| 50 - 59.99 | 1.69% |
| 40 - 49.99 | 0.00% |
| < 40 | 0.00% |



Elk Grove Water District

System Pressure Monitoring

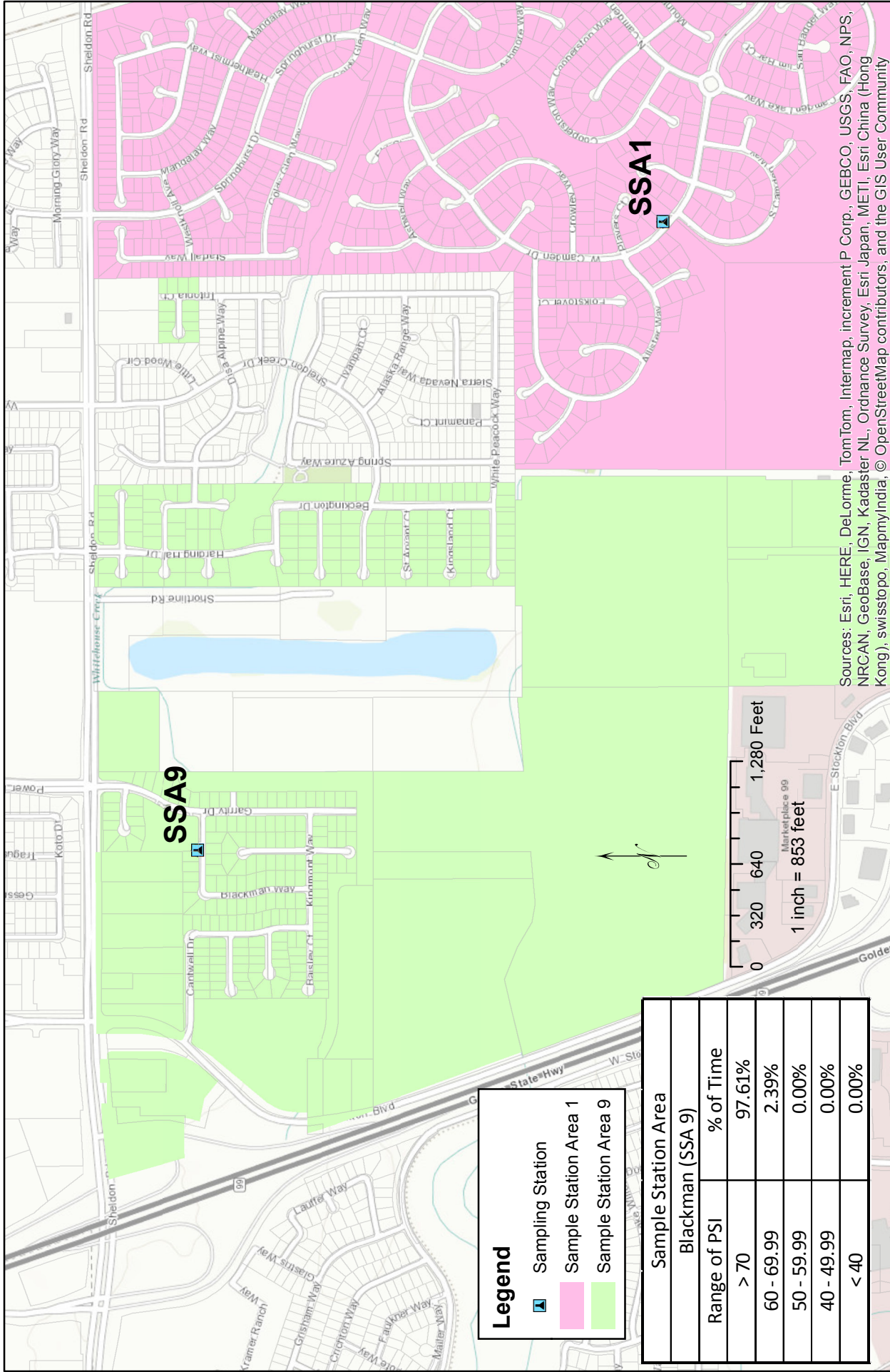
Sample Station #7

Note: Sample Station takes a reading every 5 minutes.

January 2017

Projected Coordinate System:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 February 6, 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



Legend

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

| Sample Station Area | Blackman (SSA 9) | Range of PSI | % of Time |
|---------------------|------------------|--------------|-----------|
| > 70 | | | 97.61% |
| 60 - 69.99 | | | 2.39% |
| 50 - 59.99 | | | 0.00% |
| 40 - 49.99 | | | 0.00% |
| < 40 | | | 0.00% |

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

Projected coordinate system:
 NAD 83 State Plane CA II FIPS 0402
 Source: EGWD GIS database
 Created by: Travis Franklin
 February 6, 2017

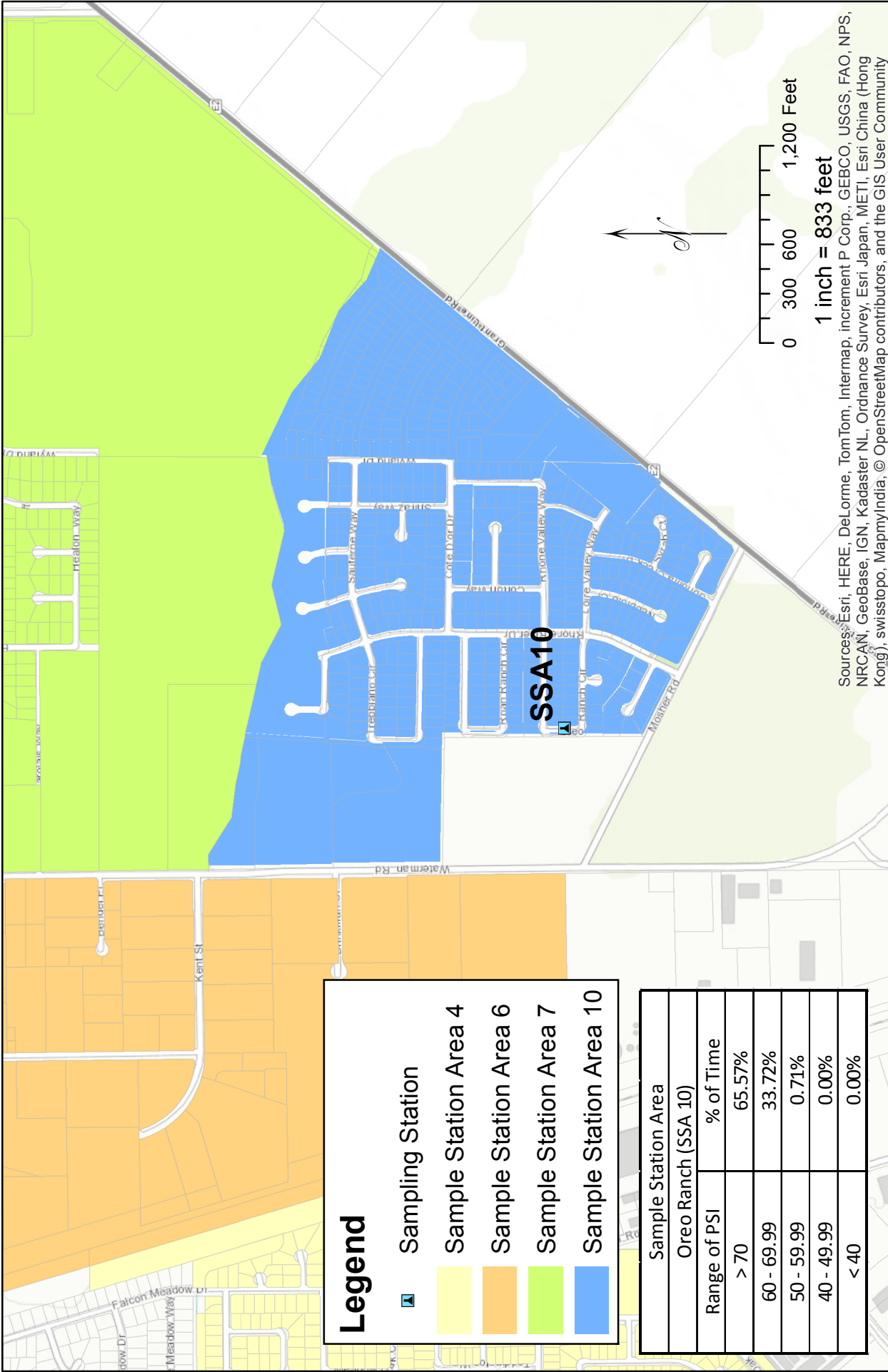
Elk Grove Water District
 System Pressure Monitoring








Sample Station #9

Note: Sample Station takes a reading every 5 minutes.

January 2017



Legend

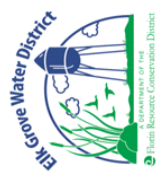
-  Sampling Station
-  Sample Station Area 4
-  Sample Station Area 6
-  Sample Station Area 7
-  Sample Station Area 10

| Sample Station Area | |
|---------------------|-----------|
| Oreo Ranch (SSA 10) | |
| Range of PSI | % of Time |
| > 70 | 65.57% |
| 60 - 69.99 | 33.72% |
| 50 - 59.99 | 0.71% |
| 40 - 49.99 | 0.00% |
| < 40 | 0.00% |

Sample Station #10

Note: Sample Station takes a reading every 5 minutes.

January 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
 February 6, 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

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



February 15, 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

Service Area 1 reduced its water consumption by 12.13% in January 2017 in comparison to January 2013 usage. Service Area 2 reduced by 20.19% for the same period. The combined December reduction for both service areas was 14.8%.

A final framework for the implementation of Governor Brown's Executive Order which mandated temporary statewide emergency water restrictions in 2016 (B-37-15), is expected to be released on or after January 20th 2017. The final, approved framework will establish water conservation and tracking and reporting requirements for the District.

The State Water Resources Control Board (Water Board) is extending the current emergency water conservation regulation, which is in effect until February 18, 2017 for an additional 270 days.

DISCUSSION

Background

On May 9, 2016, Governor Brown issued an Executive Order (EO B-37-15) adjusting water conservation regulations through the end of January 2017. On November 30th, the State Water Resource Control Board (Water Board) released the draft plan/framework for EO B-37-15, *Making Water Conservation a Way of Life: Implementing Executive Order B-37-15* (Framework). The final Framework is expected to be released in February 2017. The new plan will include provisions to use water more wisely, eliminate water waste, strengthen local drought resilience, and improve agricultural water use efficiency and drought planning. In addition the EO called for the development of new standards and permanent targets for water efficiency that exceed the requirements of SBx7-7 which requires a 20% reduction in water use by 2020.

WATER USAGE & CONSERVATION REPORT

Page 2

Present Situation

Staff continues to monitor and track our water use reductions going forward. The attached Water Usage Summary for January 2017 indicate Service Area 1 reduced its water consumption by 12.13% in January 2017 in comparison to January 2013 usage. Service Area 2 reduced by 20.19% for the same period. The combined January reduction for both service areas was 14.8%.

The Regional Water Authority (RWA) determined the region's 2016 annual water savings was 25% compared to 2013. The region received 9.8 inches of precipitation in January 2017 compared to the annual average for January of 3.17 inches.

Relative to water conservation requirements, the Water Board is extending the current emergency water conservation regulation, which is in effect until February 2017 for an additional 270 days, based on supply conditions and water conservation levels. The Water Board will revisit the situation in May once more data can be gathered on hydrologic and water supply conditions in the state. Because the District submitted a "stress test," to the Water Board which certified ample water supply to meet customer's needs for the next 3 years, the District will remain at the "normal" stage which prohibits water waste among other provisions. As a requirement of the emergency drought requirements the District will continue to report monthly to the Water Board.

The final Framework for the implementation of Governor Brown's Executive Order (B-37-15) is expected to be released in February 2017. The final, approved Framework will establish new water conservation and tracking and reporting requirements for all water agencies. The Framework represents a shift from statewide mandates to a set of conservation standards applied based on local circumstances, including population, temperature, leaks, and types of commercial and industrial use.

District staff had a conference call with Greg Tully to discuss the development of an updated Water Shortage Contingency Plan. Staff will move forward with the development of the plan once the requirements are laid out in the new Framework.

STRATEGIC PLAN CONFORMITY

Compliance with State regulations is in conformity with the District's Business Practice goals of the 2012-2017 Strategic Plan.

February 15, 2017

WATER USAGE & CONSERVATION REPORT

Page 3

FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,



SARAH JONES
PROGRAM MANAGER

SJ:MJM

Attachment

Attachment 1

Elk Grove Water District Water Usage

| | Monthly Production (gallons) | | | | | | | | | | | |
|-----------------------|------------------------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | January | February | March | April | May | June | July | August | September | October | November | December |
| 2013 | 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 |
| GW (SA1) | 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 |
| Purchased (SA2) | 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 |
| Total | | | | | | | | | | | | |
| 2015 | 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 |
| GW (SA1) | 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 |
| Purchased (SA2) | 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 |
| Total | | | | | | | | | | | | |
| 2016 | 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 |
| GW (SA1) | 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 |
| Purchased (SA2) | 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 |
| Total | | | | | | | | | | | | |
| 2017 | 59,973,881 | | | | | | | | | | | |
| GW (SA1) | 26,951,188 | | | | | | | | | | | |
| Purchased (SA2) | 86,925,069 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | | | | | | | | | | | |
| % Reduction from 2013 | 14.80% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

***Notes**

2013 January and February production numbers do not match actually recorded production because of an open intertie delivering water to SA2. Information below is further details.

SA1 = Service Area 1, SA2 = Service Area 2. SA1 is all groundwater (GW) production. SA2 is all purchased water from SCWA.

Actual Recorded Prod. (Jan. 2013) - Service Area 1 79,361,342 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)

Actual Recorded Prod. (Feb. 2013) - Service Area 1 94,608,406 gallons (Includes water delivered to SA2 due to open intertie. Intertie closed end of Feb. 2013)

To determine estimate of Feb. 2013 production delivered to Service Area 1, use multiplier from March data which is seasonally similar.)

Service Area 1 Multiplier = 1.39 (calculated from March 2013 Prod. Data/March 2014 Prod. Data)

Calc'd Feb. 2013 Prod. = Feb. 2014 Prod. Data x 1.39 = 79,737,924

To determine estimate of Jan. 2013 production, use prorated amount from Feb. 2013 data. (This method due to Jan. 2014 being unseasonably hot.)

Calc'd Jan. 2013 Prod. = (Feb. 2013 Prod. Data Calc'd / Feb. 2013 Prod. Data Actual) x Jan. 2013 Prod. Data Actual = 68,254,916

Service Area 2

| 2017 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Consumption | | |
|------|-------|--------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|---------|--|
| | | | | | | | | | | | | | # Accts | Gallons | |
| | 4,400 | 36,031 | 26,951,188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

February 15, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **NOMINATION OF ELK GROVE WATER DISTRICT REPRESENTATIVES FOR APPOINTMENT TO THE SACRAMENTO CENTRAL GROUNDWATER AUTHORITY BOARD OF DIRECTORS**

RECOMMENDATION

It is recommended that the Florin Resource Conservation District Board of Directors nominate Mark Madison and Bruce Kamilos as the primary and alternate Elk Grove Water District representatives, respectively, to the Sacramento Central Groundwater Authority Board of Directors, subject to the final approval of the amendment to the joint powers agreement (SCGA Resolution No. 2016-10).

Summary

The Florin Resource Conservation District/Elk Grove Water District (FRCD/EGWD) is a member of the Sacramento Central Groundwater Authority (SCGA). The SCGA is established by a Joint Powers Agreement (JPA) executed in 2006 by five signatory agencies. SCGA is governed by a Board of Directors, comprised of sixteen members, one of whom is represented by the FRCD/EGWD. The JPA allows each board member entity to have a primary representative and alternate representative serving on SCGA's Board of Directors. The JPA also prescribes that for the FRCD/EGWD and two other agencies, the primary and alternate representative must be an elected official.

Currently, Tom Nelson is appointed as the FRCD/EGWD representative and there is no alternate representative. An amendment to the JPA is currently being finalized which changes this requirement by stating that a designated employee of the FRCD/EGWD may also be appointed to the SCGA Board. By this action, if approved, the FRCD Board of Directors would effectuate a change in the FRCD/EGWD representation on SCGA nominating Mark Madison and Bruce Kamilos as the primary and alternate representatives, respectively.

DISCUSSION

Background

The SCGA is a joint power authority whose mission is to manage, protect and sustain the groundwater resources of the Sacramento Central Groundwater Basin (Central Basin).

NOMINATION OF ELK GROVE WATER DISTRICT REPRESENTATIVES FOR APPOINTMENT TO THE SACRAMENTO CENTRAL GROUNDWATER AUTHORITY BOARD OF DIRECTORS

Page 2

SCGA recently filed with the Department of Water Resources to become the Groundwater Sustainability Agency (GSA) for the Central Basin. As a GSA, SCGA will be responsible to ensure that the Central Basin is managed in compliance with the Sustainable Groundwater Management Act of 2014 (SGMA). Because SGMA regulates groundwater, it is important that the FRCD/EGWD maintain a strong presence as a board member in SCGA's new role as GSA.

The SCGA is established by a Joint Powers Agreement (JPA) executed in 2006 by five signatory agencies. SCGA is governed by a Board of Directors, comprised of sixteen members, one of whom is represented by the FRCD/EGWD. The JPA allows each board member entity to have a primary representative and alternate representative serving on SCGA's Board of Directors. The JPA also prescribes that for the FRCD/EGWD and two other agencies, the primary and alternate representative must be an elected official.

Present Situation

Chairperson Tom Nelson is currently appointed as the FRCD/EGWD representative and there is no alternate representative. An amendment to the JPA is currently being finalized which changes this requirement by stating that a designated employee of the FRCD/EGWD may also be appointed to the SCGA Board. This amendment has been approved by the SCGA Board, but it must subsequently be approved by all five signatory agencies to become effective. Approvals by those signatory agencies are in process and all approvals are expected to be made by next month.

This First Amendment to the JPA states that a designated employee of the FRCD/EGWD may also be appointed to the SCGA Board. Prior to this First Amendment, only an elected member of the FRCD/EGWD Board of Directors could serve on the SCGA Board. With this change, staff recommends that General Manager Mark Madison and Assistant General Manager Bruce Kamilos be nominated as primary and alternate representatives respectively to the SCGA Board. Both individuals have actively participated with Tom Nelson (the current SCGA Director representing FRCD/EGWD) in SCGA board meetings and subcommittee meetings. With SCGA transitioning from a planning organization to a regulatory agency, more time and effort will be required of SCGA Directors. The General Manager and Assistant General Manager of EGWD are well suited as primary and alternate representatives to serve on the SCGA Board.

Staff recommends that the FRCD/EGWD Board of Directors approve a motion nominating Mark J. Madison (EGWD General Manager) and Bruce M. Kamilos (EGWD Assistant

February 15, 2017

NOMINATION OF ELK GROVE WATER DISTRICT REPRESENTATIVES FOR APPOINTMENT TO THE SACRAMENTO CENTRAL GROUNDWATER AUTHORITY BOARD OF DIRECTORS

Page 3

General Manager) for appointment to the Sacramento Central Groundwater Authority Board of Directors, as the primary and alternate representatives respectively of the Florin Resource Conservation District/Elk Grove Water District. This approval, as proposed, would be subject to the final approval of the amendment to the joint powers agreement (SCGA Resolution No. 2016-10).

If the FRCD Board approves these proposed nominations, EGWD staff will request that the Elk Grove City Council appoint the nominated representatives by resolution and this would make these proposed appointments final.

ENVIRONMENTAL CONSIDERATIONS

There are no environmental considerations associated with this item.

STRATEGIC PLAN CONFORMITY

The recommendation made in this staff report conforms to FRCD/EGWD's Strategic Plan which states that the FRCD/EGWD comply with all regulations. It is important that FRCD/EGWD be represented on the SCGA Board to help guide SCGA in its role as GSA of the Central Basin.

FINANCIAL SUMMARY

There are no financial impacts associated with this item.

Respectfully submitted,



MARK J. MADISON
GENERAL MANAGER

MJM/bk

February 15, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Sarah Jones, Program Manager
SUBJECT: **LEGISLATIVE UPDATE**

RECOMMENDATION

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

SUMMARY

Staff periodically reports to the Board on legislative matters that potentially affect the Florin Resource Conservation District/Elk Grove Water District. District staff attended the State Water Board workshop, “Affordable, Safe Drinking Water Initiative,” on February 8, 2017.

DISCUSSION

Affordable, Safe Drinking Water Initiative Workshop

District staff attended the State Water Board workshop, “Affordable, Safe Drinking Water Initiative,” on February 8, 2017 where the progress towards the “Human Right to Water” was discussed. A web portal was designed that identifies communities in need and the Water Board will be looking for funding mechanisms to ensure safe, affordable water for all Californians.

In 2015 the Administration developed its “Resilient, Affordable, Safe Drinking Water for Disadvantaged Communities Framework,” which identified a series of measures necessary to ensure that all communities have access to safe and affordable water. Over the last 2 years the Legislature and Governor have taken steps toward implementing the actions specified in the Framework including options for developing and implementing a plan for a statewide low-income water rate assistance (LIRA) as required by **AB 401 (2015)**.

LEGISLATIVE UPDATE

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One bill that may affect the District in regards to the Human Right to Water is **SB88-(2015)** which authorizes the State Water Board to require certain water systems that consistently fail to provide safe drinking water to consolidate with, or receive an extension of service from, another public water system.

The following bills have recently been introduced that potentially affect the District:

AB164- An act to add Chapter 10.05 (commencing with Section 18929) to Part 6 of Division 9 of the Welfare and Institutions Code, relating to food assistance (SNAP program). This bill would require the department to develop a system to respond to change needs for food assistance and to provide benefits for specific needs. This bill is one to watch regarding the Human Right to Water.

AB161- An act to add Section 13314 to the Government Code, relating to state government, and making an appropriation therefor. (Public infrastructure investment bill) This bill would authorize the Department of Finance to identify infrastructure projects in the state for which the department will guarantee a rate of return on investment for an investment made in that infrastructure project by the Public Employees' Retirement System.

SB5- An act to add Division 45 (commencing with Section 80000) to the Public Resources Code, relating to a drought, water, parks, climate, coastal protection, and outdoor access for all program, by providing the funds necessary through the issuance of bonds.

SB80- An act to amend Sections 21092.2, 21092.3, 21108, 21152, and 21167 of the Public Resources Code, relating to environmental quality. Bill related to notifications for CEQA.

AB77- An act to amend Sections 11343.4 and 11349.3 of the Government Code, economic impact, effective dates and legislative review relating to regulations.

AB68- An act to add Section 17225 to the Education Code, relating to school facilities. Requires new schools in proximity to farms to connect to a public water system, not wells.

AB12- An act to add and repeal Chapter 3.6 (commencing with Section 11366) of Part 1 of Division 3 of Title 2 of the Government Code, relating to state agency regulations. Good governance bill.

February 15, 2017

LEGISLATIVE UPDATE

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STRATEGIC PLAN CONFORMITY

Tracking active legislation complies with the District's Regulatory Compliance goals of the 2012-2017 Strategic Plan.

FINANCIAL SUMMARY

There may be a fiscal impact for the District from the new laws; however, the extent is unknown at this time.

Respectfully submitted,



SARAH JONES
PROGRAM MANAGER

SJ:MJM

February 15, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District
FROM: Mark J. Madison, General Manager
SUBJECT: **GENERAL MANAGER'S REPORT**

RECOMMENDATION

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

Summary

The Board requested a monthly summary of activities performed by the General Manager on behalf of the Florin Resource Conservation District (FRCD) and the Elk Grove Water District (EGWD). This report is provided in compliance with that request and no action is requested of the Board at this time.

DISCUSSION

Background

At the March 23, 2016 Board meeting, the Board requested the General Manager to include a General Manager's Report as part of the agenda for every regular FRCD Board meeting. More specifically, it was requested that this report include a listing of the General Manager's various activities involving the FRCD and the EGWD.

Present Situation

This report has been structured to inform the Board of those activities between the last Regular Board Meeting and the current Regular Board Meeting. It is designed to not repeat various updates included in other status reports presented in this agenda, although there may be activities listed where the General Manager was involved but not cited in the other status reports.

GENERAL MANAGER'S REPORT

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Since January 18, 2017, the notable General Manager's activities included the following:

Florin Resource Conservation District

- Participated with the AR SWRP meeting on January 19th.
- Worked with staff to develop proposed programs that could potentially be funded by DOC Tier 1 funding.
- Prepared the February 18, 2017 California Department of Conservation – Resource Conservation District Financial Assistance Program staff report.

Elk Grove Water District

- Conferenced with Greg Young regarding our Water Shortage Contingency Plan.
- Continued research on dealing with inactive water accounts.
- Attended Sexual Harassment Training with staff as well as with the supervisors and Board Members.
- Signed documents completing the acquisition of property from the Wilton Rancheria Tribe.
- Attended a meeting with CSD Fire and the Elk Grove Police Department to discuss critical infrastructure and emergency response.
- Coordinated a Cyber-Security workshop as a partner with the Elk Grove Chamber of Commerce.
- Worked with the District's legal counsel to obtain records relative to the audit of SCWA wholesale water charges.
- Met with City staff regarding the Old Town Plaza Project.
- Attended an SCGA Board meeting with Tom Nelson and Bruce Kamilos.
- Conducted two private meetings with Board Members.
- Attended an RWA Lobbyist Subscription Program meeting on February 15.
- Prepared various reports for the February 15, 2017 Board meeting.

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GENERAL MANAGER'S REPORT

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STRATEGIC PLAN CONFORMITY

This report directly conforms to the goals and objectives for both the Florin Resource Conservation District and the Elk Grove Water District as the General Manager is responsible for implementing the requirements of the Strategic Plan.

FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,


MARK J. MADISON
GENERAL MANAGER

February 15, 2017

TO: Chairperson and Directors of the Florin Resource Conservation District

FROM: Mark J. Madison, General Manager

SUBJECT: **CALIFORNIA DEPARTMENT OF CONSERVATION - RESOURCE CONSERVATION DISTRICT FINANCIAL ASSISTANCE PROGRAM**

RECOMMENDATION

It is recommended that the Board of Directors of the Florin Resource Conservation District provide direction to staff on the desired area of focus when applying for funding from the California Department of Conservation - Resource Conservation District Financial Assistance Program.

Summary

The California Department of Conservation (DOC) is implementing a Resource Conservation District (RCD) Financial Assistance Program to promote capacity building of RCD's throughout the State. The Florin Resource Conservation District (FRCD) potentially qualifies for funding and a program, or area of focus, must be developed to serve as the basis for our request.

Staff have met with potential program partners and developed program options for the FRCD Board to consider. By this action, staff is requesting direction from the Board as to which area of focus we should seek funding for from the DOC.

DISCUSSION

Background

In the 2016-17 State Budget, the Department of Conservation was provided \$2.5 million through the Division of Land Resource Protection to assist with RCD capacity building efforts through the RCD Financial Assistance Program.

Of the total amount of \$2.5 million, \$2.1 million will be split evenly between all Tier 1 RCD's that submit an approved work plan and budget. Based on the Tier 1 requirements, it appears that the FRCD should qualify as a Tier 1 RCD and thus be eligible for funding between \$30 and \$70k.

**CALIFORNIA DEPARTMENT OF CONSERVATION -- RESOURCE CONSERVATION
DISTRICT FINANCIAL ASSISTANCE PROGRAM**

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The Tier 1 accreditation process will happen concurrently with the Request for Application (RFA) process. Funding is to be used for capacity building, which involves any activities that meet Tier 2 requirements as outlined in the document "*Planning for the Future: A Statewide Pathway to Excellence in Service!*". The funding can be utilized for planning efforts, a pilot study or for program implementation, including staff salaries. The DOC requires the funding to be spent down in one year with program with implementation to begin no later than July 1, 2017.

Present Situation

During this period staff researched and reviewed potential areas of focus and programs and developed a ranking criteria and matrix. Staff met with various potential program partners including Dwane Coffey, the District Conservationist with the NRCS, Christopher Jordan, Senior Planner with the City of Elk Grove, Nina Suzuki, SLEWS Program Manager with the Center for Land-based Learning and Judy Ludlow, President of the Elk Grove Community Garden.

Staff will present four areas of focus and program ideas for the Board to consider and these include:

1. Urban farming
2. Bee pollinator habitat
3. Groundwater recharge
4. Community conservation education

Recommended criteria to be used in evaluate these potential programs is listed on the attachment to this report. Staff would like to work jointly with the Board in reviewing this criteria for all of the options listed above and then, from that exercise, obtain direction on which program to seeking funding for. If direction is given, staff will develop the specific work plan and budget to submit in our application to the Department of Conservation.

STRATEGIC PLAN CONFORMITY

Participation in regional conservation is in conformity with the District's conservation and cooperative program goals of the 2012-2017 Strategic Plan.

February 15, 2017

**CALIFORNIA DEPARTMENT OF CONSERVATION -- RESOURCE CONSERVATION
DISTRICT FINANCIAL ASSISTANCE PROGRAM**

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FINANCIAL SUMMARY

There is no direct financial impact associated with this report.

Respectfully submitted,


MARK J. MADISON
GENERAL MANAGER

SJ/mjm

Attachment

Attachment 1

| CRITERIA | EXPLANATION |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| COMMUNITY NEED | RCD's fill a need in the community by addressing natural resource issues. Does this "build capacity" to address a community need? Does this program already exist? If so, can it be expanded or improved? What are the resource areas this program benefits? |
| PROGRAMMATIC | Is this a one-off project or is this a program that can be implemented over time? Projects can be part of a program as long as they can be replicated/ duplicated. |
| SCALABLE | Can this program be minimized or expanded easily depending on budgetary restraints? Does the program have a "scalable" timeframe or does it need to adhere to a strict timetable? |
| MULTIPLE USER GROUPS | How many user groups does it benefit? Agriculture? Youth? Adults? Homeowners? Commercial? |
| PARTNERSHIPS | Does this program involve partnerships? If so, who? What is the commitment level? |
| STAFF RESOURCES | Can this program be implemented with the current staff resources? If not, what other resources are needed? |
| OTHERS RESPONSIBILITY | Does this program involve regulatory reporting or permitting that would otherwise fall under another jurisdictions responsibility or authority? Please explain. |
| OTHER FUNDING OPPORTUNITIES | Are there current or future funding opportunities through existing grant programs that this program could qualify for? If yes, describe. |