



# PARADISE IRRIGATION DISTRICT

6332 Clark Road, Paradise CA 95969 | Phone (530)877-4971 | Fax (530)876-0483

## AGENDA

### REGULAR MEETING PARADISE IRRIGATION DISTRICT BOARD OF DIRECTORS 6332 CLARK ROAD, PARADISE, CA 95969

**WEDNESDAY, APRIL 18, 2018 – 6:30 PM**

- ❖ *The Board of Directors is committed to making its meetings accessible to all citizens. Any persons requiring a special accommodation to participate, is requested to contact the District Secretary at 530-877-4971, extension 2039 at least 48 hours in advance of the meeting.*
- ❖ *The Board of Directors or its President pursuant to Government Code section 54954.3 reserves the right to impose reasonable regulations governing public participation on agenda and non-agenda items, including limiting the total amount of time allocated to public testimony on particular issues and for each individual speaker.*
- 1. **OPENING:**
  - a. Call to Order
  - b. Public & Board Members; please silence your cell phones
  - c. Invocation and Pledge of Allegiance
  - d. Roll Call
- 2. **APPROVAL OF CONSENT CALENDAR:** *Action may be taken.*  
**(One roll call vote will be taken for all items on the Consent Calendar)**
  - a. Approval of Meeting Agenda Order
  - b. Approval of Minutes: Regular Meeting of March 21, 2018
  - c. Approval of Public Member Appointment: Finance Committee
  - d. Acceptance of Easement: Richard D. Hall to Paradise Irrigation District
  - e. Approval of Surplus Property, Resolution 2018-03: 1992 GMC 3500 Service Truck
- 3. **PUBLIC PARTICIPATION:**

Individuals will be given an opportunity to address the Board regarding matters not scheduled on the agenda, although the Board cannot take action on any matter not on the agenda. Comments will be limited to 5 minutes per speaker. Opportunity for public comment on agenda items will be provided at the time they are discussed by the Board with comments limited to 5 minutes per agenda item.
- 4. **STAFF AND BILLING REPORTS:** Review and acceptance of the March, 2018 Staff and Billing Reports. *Action may be taken.*
  - a. Staff Report for March, 2018
  - b. Billing Report for March, 2018
- 5. **DISTRICT MANAGER'S REPORT:** A written report on various projects. *Information item only.*
- 6. **TREASURER'S MEMO:** Review and acceptance of the Treasurer's Memo for the period ending March 31, 2018. *Action may be taken.*
- 7. **APPROVAL OF CHECKS:** Approval of General Fund Check Numbers 51676 through 51776 for the month of March, 2018 totaling \$511,977.43, and authorization of a similar amount allowing or adjusting for extraordinary budget or Board approved items during the month of April. *Action may be taken.*
- 8. **LEGAL REPORT:** A verbal update from Legal Counsel. *Information item only.*

**9. UNFINISHED BUSINESS:** None to Report.

**10. NEW BUSINESS:**

- a. Paradise Lake Boat Launch Ramp No. 1 – Improvement to Existing Parking Area (Kevin Phillips / Jim Passanisi): Authorize the Interim District Manager to procure logging services from John Wheeler Logging, Inc. at a cost not to exceed \$13,000 to do land clearing and rough grading at the existing parking area near Paradise Lake Launch Ramp No. 1, provided any applicable CEQA and CalFire requirements can be satisfied. *Action may be taken.*
- b. Hazardous Tree Removal Work (Jim Ladrini): Authorize the Interim District Manager to engage in a contract with the prevailing bid contractor and direct appropriate staff to schedule and complete the proposed tree work. *Action may be taken.*
- c. Resolution Negating Declaration of Surplus Property - 2008 Jeep Wrangler (Keith O'Brien): Adopt Resolution No. 2018-04 negating declaration of surplus property and declaring that the 2008 Jeep Wrangler Unit No. 54 shall no longer be considered surplus property and will be retained for District use. *Action may be taken. (Roll call vote)*
- d. Meter Serviceperson Job Description (Kevin Phillips): Review and authorize revisions to the Meter Serviceperson job description. *Action may be taken.*
- e. Annual Auditing Services (Kevin Phillips): Accept proposal from Fechter and Company for auditing services for fiscal years 2017-18 through 2019-20, for a not-to-exceed amount of \$48,000 (\$16,000 per year) and direct the Interim District Manager to execute the professional services agreement following review by Legal Counsel. *Action may be taken.*
- f. Chico State Project (Kevin Phillips): Review of potential collaboration with Chico State to research the possibility of studying the effects of water application on rooftops during a wildfire. *Action may be taken.*

**11. COMMITTEE REPORTS:** *Informational items only.*

- a. Board oral report(s) regarding their representation on Commissions/Committees/Conferences:
  1. Ad Hoc Demonstration Garden Committee (Directors Rice and Kellogg – Chairperson)
  2. Administration & Personnel Committee (Directors Jacobson & Wentland – Chairperson)
  3. Paradise Lake & Recreation Committee (Directors Sulik & Kellogg – Chairperson))

**12. DIRECTORS' COMMENTS:** *Information Item Only.*

**13. CLOSED SESSION:**

- a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION.  
Significant exposure to litigation pursuant to Government Code section 54956.9 (d) (2) (One potential case)
- b. PUBLIC EMPLOYEE DISCIPLINE/DISMISSAL/RELEASE. Pursuant to Government Code section 54957.
- c. REAL PROPERTY NEGOTIATIONS (Government Code Section 54956.8).  
Property Subject to Negotiations: PG&E's DeSabra Project and Miocene Canal  
District Negotiator: Minasian Law Firm and PID Staff  
Other Party: Pacific Gas & Electric Company
- d. PUBLIC EMPLOYMENT: District Manager (Government Code Section 54957).

**14. CLOSED SESSION ANNOUNCEMENT**

**15. ADJOURNMENT**

CONSENT CALENDAR  
REGULAR MEETING  
PARADISE IRRIGATION DISTRICT  
BOARD OF DIRECTORS

APRIL 18, 2018

**(One roll call vote will be taken for all Consent Calendar items)**

- A. APPROVAL OF MEETING AGENDA ORDER
- B. APPROVAL OF MINUTES: Regular Meeting of March 21, 2018
- C. APPROVAL OF PUBLIC COMMITTEE MEMBER APPOINTMENT (Finance Committee):  
**Action Requested:** Approve appointment of public member Lee Brown to serve on the Paradise Irrigation District Finance Committee.
- D. ACCEPTANCE OF EASEMENT (Gradley Lane, APN 052-070-061) in support of the Crestview Drive/Crestwood Drive water main replacement project.  
**Action Requested:** Accept easement conveyed by document dated April 4, 2018 from Richard D. Hall to Paradise Irrigation District for the purpose of repairing, constructing, maintaining and operating a pipeline or pipelines and appurtenances.
- E. APPROVAL OF SURPLUS PROPERTY (1992 GMC Service Truck)  
**Action Requested:** Adopt Resolution No. 2018-03 declaring the 1992 GMC Service Truck (Unit 11) as surplus property and no longer necessary for District purposes, and authorize said property be disposed of in the most practical manner.

MINUTES

REGULAR MEETING  
BOARD OF DIRECTORS  
PARADISE IRRIGATION DISTRICT  
MARCH 21, 2018

The regular meeting of the Board of Directors of the Paradise Irrigation District was called to order at 6:30 p.m. by President Dan Wentland, followed by an Invocation and the Pledge of Allegiance to the Flag of the United States of America.

OPENING

BOARD MEMBERS PRESENT: Directors Marc Sulik, Anne Rice, Bill Kellogg, Vice President Cliff Jacobson, and President Dan Wentland

ROLL CALL

BOARD MEMBERS ABSENT: None

STAFF PRESENT: Interim District Manager Kevin Phillips, WTP Superintendent Jim Passanisi, Assistant Engineer Neil Essila, Information Systems Manager Mickey Rich, and Secretary Georgeanna Borrayo

ALSO PRESENT: PID Legal Counsel Emily LaMoe and members of the public

Board members reviewed consent calendar items as follows:

APPROVAL OF  
CONSENT  
CALENDAR  
(Item 2.a. – 2.e.)

- 2.a. Approval of Meeting Agenda Order
- 2.b. Approval of Minutes: Regular Meeting of February 21, 2018
- 2.c. Approval to Purchase: Rainbow Trout for Stocking Paradise Lake
- 2.d. Approval to Purchase: Spare Turbidimeter
- 2.e. Approval to Purchase: Chlorine Analyzer Replacement

It was moved by Director Rice and seconded by Director Sulik to approve the Consent Calendar as presented.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion passes 5-0**

Ward Habriel commented on the following: Editorial in the March 11<sup>th</sup> issue of the Chico ER regarding statewide water conservation numbers released by the state Water Resources Control Board; 2) Example of water conservation messaging distributed by a local water company; and 3) March 21st Magalia Forest Health Tour hosted by the Butte County Fire Safe Council and opportunities to attend additional Magalia Forest Health Tours in 2018.

PUBLIC  
PARTICIPATION  
(Item 3)

Tom Kelly stated he has researched and mapped all the flumes on the Paradise ridge and major water rights dating back to 1854 and indicated he would share this information with PID.

Fred Hofer commented about costs for the proposed Reservoir B Replacement Project and suggested the Board consider postponing this project. The District will be required to make any required spillway repairs or upgrades as a result of the study and those costs are unknown at this time. Mr. Hofer further commented on PG&E's DeSabra Project & Miocene Canal and the cost that would be required to maintain those facilities.



PRESENTATION BY  
JEN CHAVEZ,  
OWNER OF THE  
RED WAGON  
(Item 4.a.)

Jen Chavez, Owner of The Red Wagon, provided a presentation to the Board of Directors regarding her business, which offers art, music, and special events for all ages. Mrs. Chavez has been renting the PID commercial property located at 6360 Clark Road since January, 2016 and is interested in a long-term lease agreement. Board members concurred they were interested in having Manager Phillips work on a lease agreement with Mrs. Chavez and bring back to the Board for review and approval at a future meeting.

FEBRUARY 2018  
STAFF & BILLING  
REPORTS  
ACCEPTED  
(Item 5.a. & b.)

Staff provided clarification regarding Staff and Billing Reports. Director Kellogg inquired about firefly replacement costs, including labor. Staff will prepare this information and provide an updated report at a future meeting. It was moved by Director Rice and seconded by Director Jacobson to accept the Staff and Billing Reports for the month of February 2018 as presented.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland

NOES: None

ABSENT: None

**Motion passes 5-0**

DISTRICT  
MANAGER'S  
REPORT  
(Item 6)

The Board reviewed a written report from Interim District Manager Phillips. Additional comments included:

Water Rights: Public member Robin Huffman attended the Water Rights presentation provided by consultant Paula Whealan at the February 21<sup>st</sup> Board meeting and had some additional comments, which are provided to the Board at the request of Robin Huffman. Ms. Huffman has expressed concerns about the Sphere of Influence associated with the Notice of Preparation of an Environmental Impact Report (EIR) for the Water Rights Permits Extension Project. Manager Phillips confirmed that in 2009 when PID circulated a Notice of Preparation of an EIR and Draft Initial Study, the intent at that time was to request an extension on PID's Water Rights Permits 271 and 16040. Through this process, the District made a decision to transition Permit 271 to license (priority right-1916). The District's environmental consultant, DeNovo Planning Group, is revising the project description to incorporate the changes and PID will recirculate the Notice of Preparation of the EIR for public review. The pending petitions filed on Permit 271 and 16040 also include a change in Place of Use to allow PID to transfer water to neighboring agencies in case of an emergency and provide water service to projects that may be constructed adjacent to the District's current service area. The consultant is evaluating the current state of the previous Biological Study associated with the EIR and if further studies are determined to be necessary, a contract change order will be presented to the Board for consideration.

Process Water Recycle Project – NPDES Permit Renewal Assistance: The consultant is preparing a memo to transmit to the Regional Board regarding the Paradise Irrigation District Mixing Zone and Dilution Credit Evaluation. Staff will forward this information to the Board when finalized.

TREASURER'S  
MEMO ACCEPTED  
FOR PERIOD  
ENDING  
FEBRUARY 28, 2018  
(Item 7)

Board members reviewed a written Treasurer's memo for the period ending February 28, 2018. Manager Phillips also provided an update on a recent legislative symposium he attended, which included information regarding SB 623 relating to a tax on drinking water. The District will continue to monitor this bill and work with Legal Counsel regarding an oppose position. It was noted that Board members often attend legislative symposiums as representative of their agency. Director Jacobson indicated he would be interested in voicing the District's opinion on these issues.

It was moved by Director Rice and seconded by Director Jacobson to accept the Treasurer's memo for the period ending February 28, 2018.

CONTINUED –  
TREASURER'S  
MEMO ACCEPTED

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion passes 5-0**

Board members reviewed accounts payable reports for the month of February, 2018. It was moved by Director Jacobson and seconded by Director Rice to approve General Fund Check Numbers 51577 through 51672 for the month of February, 2018 totaling \$384,988.59, exclusive of voided check numbers 51602, 51624, 51653, and 51655, and authorization of a similar amount allowing or adjusting for extraordinary budget or Board approved items during the month of March.

APPROVAL OF  
FEBRUARY, 2018  
CHECKS  
(Item 8)

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion passes 5-0**

President Wentland called for a Board recess at 8:14 p.m.

BOARD RECESS

President Wentland reconvened the regular meeting at 8:21 p.m.

MEETING  
RECONVENED

Public Records Act Request Re: Long-Term Urban Conservation Mandates: Attorney Emily LaMoe provided an update on litigation initiated on behalf of PID and other water agencies regarding a Public Records Act Request submitted to the State Water Resources Control Board seeking production of documents in anticipation of a legislative battle over new long-term urban conservation mandates. There have been a few meet and confer efforts and a new Judge has been assigned. A status conference is scheduled for April 20, 2018.

LEGAL REPORT  
(Item 9)

None to Report.

UNFINISHED  
BUSINESS

Under provisions contained in SB 92, which became effective July 1, 2017, owners of dams with a hazard classification of 'significant' or higher must prepare emergency action plans (EAPs) for review and approval by the Governor's Office of Emergency Services (Cal OES). EAPs submitted for review are further required to contain revised dam-break inundation maps that must be submitted for review and approval by DWR Division of Safety of Dams. Paradise Irrigation District will need to have revised inundation maps prepared for Paradise Dam (classified extremely high hazard) and Magalia Dam (classified high hazard). A Request for Proposals was sent to four companies and three responses were received for the Board's consideration.

NEW BUSINESS:

DAM-BREAK  
INUNDATION  
PROPOSALS FOR  
PARADISE AND  
MAGALIA DAMS –  
CONTRACT  
AWARDED TO  
DOMENICHELLI &  
ASSOCIATES, INC.  
(Item 11.a.)

It was moved by Director Rice and seconded by Director Jacobson to accept the proposal for professional engineering services from Domenichelli and Associates, Inc. for inundation mapping services for the Paradise and Magalia Reservoirs, for a not-to-exceed amount of \$59,906 and direct the Interim District Manager to execute the professional services agreement following review by Legal Counsel.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion passes 5-0**

RESERVOIR B  
REPLACEMENT  
PROJECT: STATE  
REVOLVING FUND  
LOAN  
CONSTRUCTION  
APPLICATION  
REIMBURSEMENT  
RESOLUTION NO.  
2018-01 ADOPTED  
(Item 11.b.)

Staff reported now that planning has proceeded to 60% design of the Reservoir B Replacement Project, the District was advised by the State Board's Drinking Water State Revolving Fund Project Manager to prepare and submit a Construction Application for the Project. A Reimbursement Resolution is required as part of the financial portion of the construction application. The adoption of the resolution does not obligate the District to proceed with the project or a loan. The resolution indicates that the District desires to make and be reimbursed for capital construction expenditures with respect to the Project and finance it with money from the State through the State Board.

It was moved by Director Sulik and seconded by Director Rice to adopt the Reimbursement Resolution No. 2018-01 required as part of the Construction Application for the State Board's Drinking Water State Revolving Fund program for funding for the Reservoir B Replacement Project. Directors' votes were polled as follows by roll call:

AYES: Directors Sulik, Rice, Jacobson, and Wentland  
NOES: Director Kellogg  
ABSENT: None

**Motion passes 4-1**

PURCHASE OF A  
BOOM-LIFT  
APPROVED  
(Item 11.c.)

The Fiscal Year 2017/18 budget includes \$30,000 for the procurement of a used boom lift to provide safer, four-wheel drive, mechanical access to elevated areas requiring maintenance. Staff obtained three bids for the Board's consideration.

It was moved by Director Jacobson and seconded by Director Rice to authorize the procurement of a boom lift from the Rental Guys at a cost not to exceed \$22,000, including tax.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion passes 5-0**

2018 WATER BOND  
MEASURES  
(Item 11.e.)

Board members considered adopting Resolution No. 2018-02 in support of two water bond measures slated to go before voters in 2018. Supported by ACWA, the first measure titled, "California Drought, Water, Parks, Coastal Protection, and Outdoor Access for All Act of 2018," was qualified for the June 2018 ballot as Proposition 68. The second measure titled, "State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018 will likely appear on the November 2018 ballot.

Board members discussed moving forward with support of the two bond measures, or postponing action at this time to further monitor. It was moved by Director Sulik and seconded by Director Jacobson to table a decision regarding support of the two bond measures.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None

**Motion to table this item passes 5-0**

SOFTWARE  
SUBSCRIPTIONS  
FOR MICROSOFT &  
ADOBE PRODUCTS

Information Systems Manager Mickey Rich reported the District has procured month-to-month software subscriptions for Microsoft and Adobe products. The District currently has twelve subscriptions for Microsoft office and based on the number of employees who use Microsoft office, this amount could eventually increase to thirty-

one subscriptions. The Adobe subscriptions may also increase over time to include a total of fifteen subscriptions. Presently, the District is paying an annual cost of \$1,871 for the current number of subscriptions. If the District were to eventually get every employee upgraded to the subscription-based software, the annual cost would be approximately \$6,500 to \$6,600. Manager Phillips added the intent of this agenda item is to inform the Board what the District is currently paying for software subscriptions and the anticipated expenses moving forward based on the transition of software subscriptions.

CONTINUED –  
SOFTWARE  
SUBSCRIPTIONS  
FOR MICROSOFT &  
ADOBE PRODUCTS  
(Item 11.d.)

Board members discussed various options for approval of software subscriptions. Director Jacobson suggested that rather than having software subscriptions come to the Board for approval, identify these expenses in the Accounts Payable Report and the Board can ask for clarification if there is a question.

No action for approval taken. Board members concurred the monthly costs will be reported in the Accounts Payable Report and the Board can ask for clarification on any software expenses reported.

Manager Phillips reported Cal Trust is a Joint Powers Authority created by public agencies in 2005 to provide a convenient method for public agencies to pool their assets for investment purposes. Cal Trust allows the District to invest in longer term investments than the Local Agency Investment Fund (LAIF). The liquidity of the funds is the same as LAIF. The District will use Cal Trust to invest its longer-term reserves.

CAL TRUST  
INVESTMENT  
ACCOUNT  
APPROVED  
(Item 11.f.)

It was moved by Director Jacobson and seconded by Director Sulik to authorize the Interim District Manager to execute an agreement with Cal Trust to open an investment account.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland

NOES: None

ABSENT: None

**Motion passes 5-0**

Ad Hoc Demonstration Garden Committee: Directors Kellogg and Rice reported a committee meeting was held on March 16 to discuss project updates. The next time there is a period of dry weather, the committee will schedule a time to plant. Mini galvanized aluminum signs have been ordered for the planting beds, and a 3'x5' sign is being constructed to display information about the demonstration garden. The next meeting is scheduled on April 6, 2018 at 9:00 a.m.

COMMITTEE  
REPORTS  
(Item 12.a.1. - 3.)

Community Relations Committee: Directors Sulik and Rice reported discussion at the March 8<sup>th</sup> meeting included: 1) Kid's Fishing Day photo booth where kids may have their photo taken; 2) Working with Cedar Creek on a design for the PID Demonstration Garden; 3) Update on new PID water bill format; 4) Organizing a speakers' bureau; and 5) Highlighting PID employees in the PID WaterTalk.

Butte County Special Districts Association (BCSDA): Director Sulik distributed notes from the February 23, 2018 BCSDA Executive Board meeting. The meeting opened with the election of Officers for 2018 followed by committee updates. Ann Willmann with the Chico Area Recreation & Park District was elected as President.

Director Sulik: Thanked the public for their attendance this evening.

DIRECTORS'  
COMMENTS  
(Item 13)

Director Jacobson: Commented there was good conversation and a lot of topics were resolved this evening.

CONTINUED –  
DIRECTORS’  
COMMENTS

Director Kellogg: Indicated the Board is doing well with regard to the meeting length and thanked President Wentland for his leadership.

CLOSED SESSION  
(Item 14.a. & b.)

President Wentland announced closed session discussion items. As there were no comments regarding closed session, the Board adjourned to closed session at 9:25 p.m. to discuss the following:

14.a. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Paragraph (a) of subdivision (d) of Government Code section 54956.9): Neil Essila et al v. Paradise Irrigation District et al. Butte County Superior Court Case No. 17CV02546.

14.b. PUBLIC EMPLOYMENT: District Manager (Government Code Section 54957).

CLOSED SESSION  
ANNOUNCEMENT:

President Wentland reconvened the regular meeting at 10:03 p.m. and announced direction has been given to Legal Counsel regarding closed session items listed above as 14.a. and 14.b.

ADJOURNMENT

It was moved by President Wentland to adjourn the meeting. The regular meeting was adjourned at 10:04 p.m.

\_\_\_\_\_  
Georgeanna Borrayo, Secretary

\_\_\_\_\_  
Daniel Wentland, President



## PARADISE IRRIGATION DISTRICT

*"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."*

*Please consider how this agenda item relates to our mission.*

**TO: Board of Directors**

**FROM: Georgeanna Borrayo, District Secretary**

**DATE: 4/12/2018**

**RE: Committees of the District – Appointment of Public Committee Member  
to Finance Committee  
04/18/2018 Board of Directors Meeting**

As outlined under Chapter 2.20.B. (Appointment of Committee Members) of the PID Policy & Procedures Manual, public members on committees shall be appointed by a majority vote of the Board.

Mr. Lee Brown contacted the District expressing interest in serving on the Finance Committee. Upon speaking with Mr. Brown, he indicated retiring after a 40 year career in banking and also owned a Hardware Store in Paradise for ten years.

The recommended form of motion would be:

"I move to appoint Lee Brown to the Finance Committee."



**WHEN RECORDED PLEASE RETURN TO:**  
**PARADISE IRRIGATION DISTRICT**  
**6332 CLARK ROAD**  
**PARADISE, CA 95969-4146**

APN 052-070-061

Recorded for the Public Benefit Pursuant to Government Code § 6103

EASEMENT

FOR VALUE RECEIVED from the PARADISE IRRIGATION DISTRICT, an irrigation district duly organized and existing under and by virtue of the laws of the State of California, Richard D. Hall, an unmarried man, hereby grants unto said PARADISE IRRIGATION DISTRICT, a perpetual easement or right-of-way for the purpose of repairing, constructing, maintaining and operating a pipeline or pipelines and appurtenances across and under the property hereinafter described; together with the right of ingress and egress for workers with tools and/or equipment required for the repair, maintenance and/or operation of said pipeline and appurtenances upon, over, through and/or across that certain real property situate in the Town of Paradise, County of Butte, State of California, more particularly described as follows:

SEE EXHIBIT "A" ATTACHED, A PART OF THIS DOCUMENT

Said pipeline shall be buried in keeping with standard construction practices on the property and landowner shall not interfere with PARADISE IRRIGATION DISTRICT's facilities or access.

IN WITNESS WHEREOF, the undersigned has set his hand this 4th day of April, 2018.

  
Richard D. Hall

(SIGNATURE MUST BE NOTARIZED)

## EXHIBIT "A"

All that certain real property situate in the Town of Paradise, County of Butte, State of California, and being a portion of the North half of the Southwest quarter of Section 15, Township 22 North, Range 3 East, M.D.B. & M., and more particularly described as follows:

An easement for underground waterline purposes over the following described parcel of land:

Commencing at the center of said Section 15; thence along the North line of said Southwest quarter of Section 15, North 89°28'30" West, 1,320.69 feet to the Northeast corner of "HILLCREST SUBDIVISION, UNIT NO. 1", which Map was filed in the office of the Recorder of the County of Butte, State of California, May 19, 1947 in Book 15 of Maps, at pages 27 & 28; thence along the East line of said Subdivision, South 0°15'30" West, 710.0 feet to a point on the South line of Pinecrest Drive, as shown on said Map; thence along said South line, North 89°28'30" West a distance of 22.87 feet to the TRUE POINT OF BEGINNING for the parcel of land herein described; thence from said True Point of Beginning, South 9°41' West, 146.92 feet to a point on the Easterly boundary of that certain parcel of land described in the Deed from John J. Meyers, et. ux., to Robert C. Moore, et. ux., recorded October 1, 1956 in Book 849 of Butte County Official Records, at Page 167; thence along the Easterly boundary of said Moore parcel, North 74°56'30" West, 14.88 feet and North 9°41' West, 143.14 feet to a point in the South line of said Pinecrest Drive; thence along said South line, South 89°28'30" East, 15.0 feet to the True Point of Beginning.

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

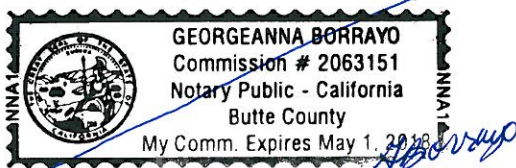
**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Butte )

On April 4, 2018 before me, Georgeanna Borrayo, Notary Public,  
Date Here Insert Name and Title of the Officer  
personally appeared Richard D. Hall  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Georgeanna Borrayo  
Signature of Notary Public



Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: Easement, APN 052-070-061 Document Date: April 4, 2018  
Number of Pages: 2 Signer(s) Other Than Named Above: None

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Richard D. Hall  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☒ Individual ☐ Attorney in Fact  
☐ Trustee ☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Individual ☐ Attorney in Fact  
☐ Trustee ☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

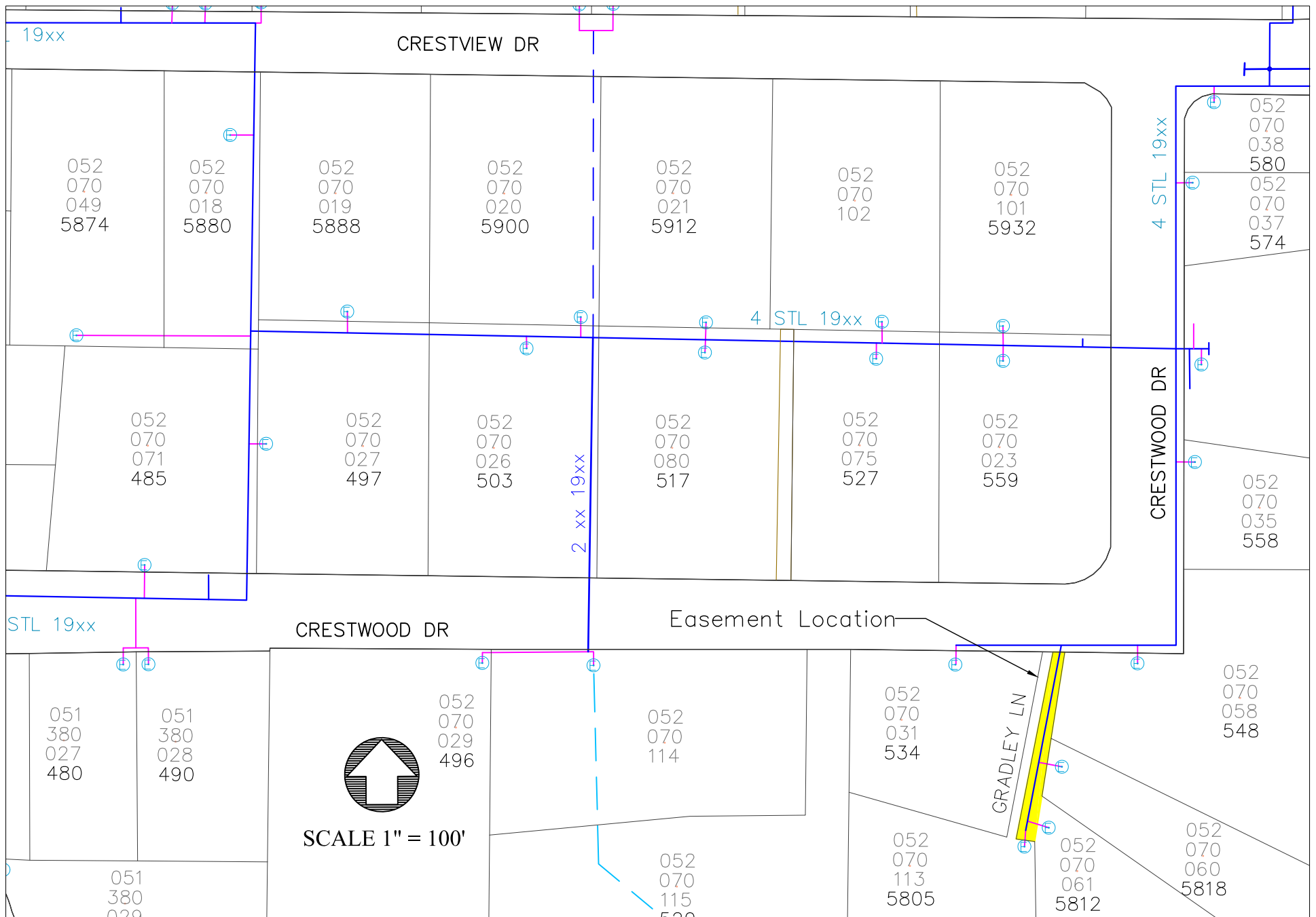
APN: 052-070-061

CERTIFICATION OF ACCEPTANCE

This is to certify that the perpetual easement conveyed by this document dated April 4, 2018, from RICHARD D. HALL, an unmarried man, to the PARADISE IRRIGATION DISTRICT, a local public agency of the State of California, was accepted by the Board of Directors of the Paradise Irrigation District at their regularly scheduled meeting held \_\_\_\_\_, 2018.

DATED: \_\_\_\_\_

\_\_\_\_\_  
Georgeanna Borrayo  
Secretary to the Board of Directors  
Paradise Irrigation District



Easement: Richard Hall to Paradise Irrigation District - Gradley Lane



## PARADISE IRRIGATION DISTRICT

*"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."*

*Please consider how this agenda item relates to our mission.*

**TO: Board of Directors**  
**FROM: Kevin Phillips, Interim District Manager**  
**DATE: April 10, 2018**  
**RE: Resolution Declaring Surplus Property – 1992 GMC Service Truck**  
**04/18/2018 Board of Directors Meeting**

### Background:

At the February 21, 2018 Board of Directors meeting, the Board authorized the purchase of a new 2018 Ford F-150 X1E 4WD Super Cab from Elk Grove Ford that would ultimately replace the 1992 GMC 3500 service truck (Unit 11). Resolution No. 2018-03 is provided to declare the 1992 GMC service truck as surplus property and authorize sale of property.

### Action Requested:

*"Adopt Resolution No. 2018-03 declaring the 1992 GMC 3500 Service Truck (Unit 11) as surplus property and no longer necessary for District purposes, and authorize said property be disposed of by the Interim District Manager in the most practical manner."*





## ***PARADISE IRRIGATION DISTRICT***

---

### **RESOLUTION NO. 2018-03**

#### **RESOLUTION BY THE BOARD OF DIRECTORS OF THE PARADISE IRRIGATION DISTRICT DECLARING PROPERTY NO LONGER NECESSARY AND AUTHORIZING SALE OF PROPERTY**

WHEREAS, the Paradise Irrigation District owns certain property described as:

One 1992 GMC 3500 Service Truck; and

WHEREAS, it has been determined in accordance with section 22500 of the Water Code that said property is no longer necessary for District purposes and it is in the best interest of the District to sell said property.

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Board of Directors of the Paradise Irrigation District that said property is declared no longer necessary for District purposes and that said property be disposed of by the Interim District Manager under such terms and conditions as deemed appropriate.

Passed and adopted this 18th day of April, 2018, the following Directors voting thereon:

AYES:

NOES:

ABSENT:

ABSTAIN:

PARADISE IRRIGATION DISTRICT

---

Daniel Wentland, President

Attest:

---

Georgeanna Borrayo, Secretary

**STAFF REPORT  
FIELD OPERATIONS  
MARCH 2018**

**TRANSMISSION & DISTRIBUTION**

**MAINTENANCE WORK.**

- Crews have been taking care of leaks/maintenance issues.
- 9 Mainline leaks were repaired this month.
- 229 Firefly's have been replaced this month.
- 1 service line was repaired/replaced this month.
- System wide flushing was completed this month.
- 1 hydrant was repaired and 5 heads were replaced this month.
- Leak detection started this month.

**PFD/PID JOINT PIPELINE PROJECTS**

- Use hydrant surcharge funds to upgrade substandard mains.
- The Country Club project is now complete.
- Crestview/Crestwood project is in beginning stages.

**DEVELOPMENT PROJECTS**

- None at this time.

**CUSTOMER REIMBURSEMENT JOBS (by work order)**

- New mod 35 install at 8693 Skyway.
- Down size from 2" to 1.5" at 6217 Mountain View.

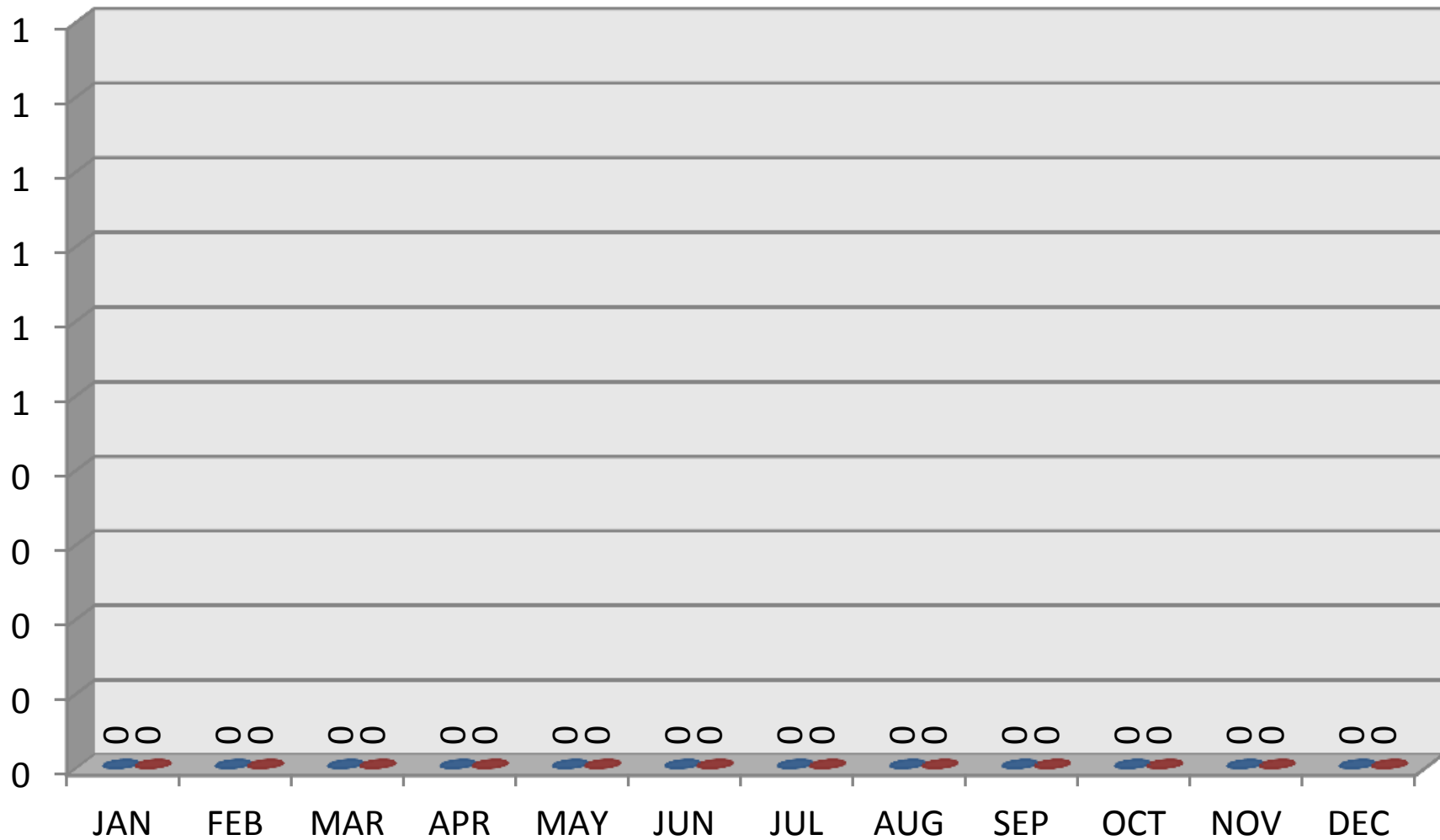
**CRESTVIEW/CRESTWOOD PIPELINE PROJECT**

- Project is in beginning stages. Pot-hole work will start this month weather pending.

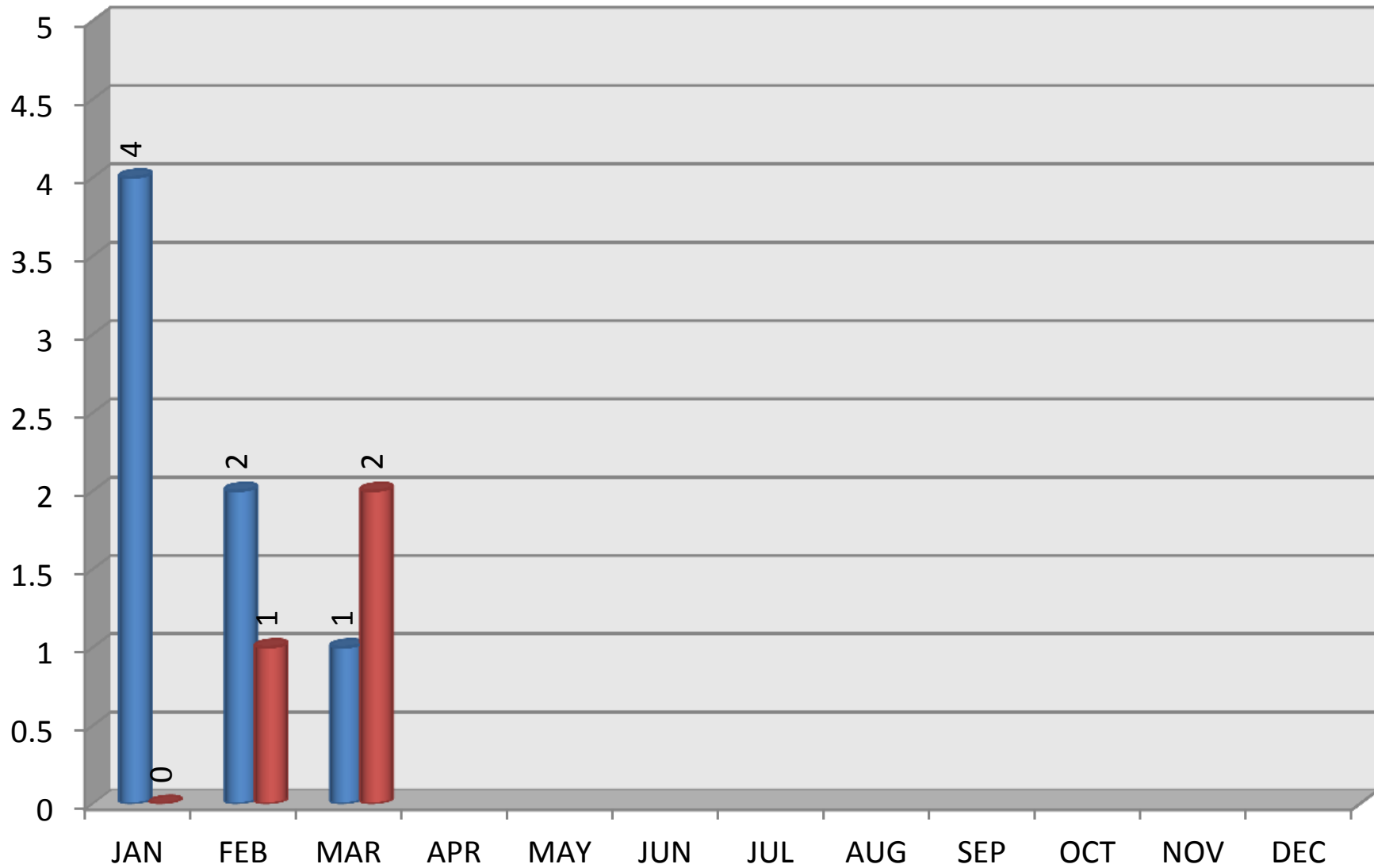
**SUMMARY**

- The crews spent quite a bit of time making repairs around the District this month on blow-offs, control valves, and hydrants that were found during our flushing program. The problems were most often faulty or leaky control and or shut off valves.
- Our three new Utility Workers are working out very well. Two have tested for and received their Class A licenses and the third is scheduled this month to drive test with a DMV instructor. Pete Grout has done a great job preparing our drivers.
- We are assisting the meter shop with the firefly replacements. Two to four of our utility workers are teaming up with the change outs to insure our system is operating properly on a daily basis.
- We started our Leak Detection process late this month. Approximately twelve leaks have been found to date and our crews are currently making repairs at this moment. We will continue with this work as time allows and until the weather clears and will focus our efforts and work force on the Crestview/Crestwood project.
- We continue to take care of the daily needs of the District and maintenance issues providing excellent customer service.

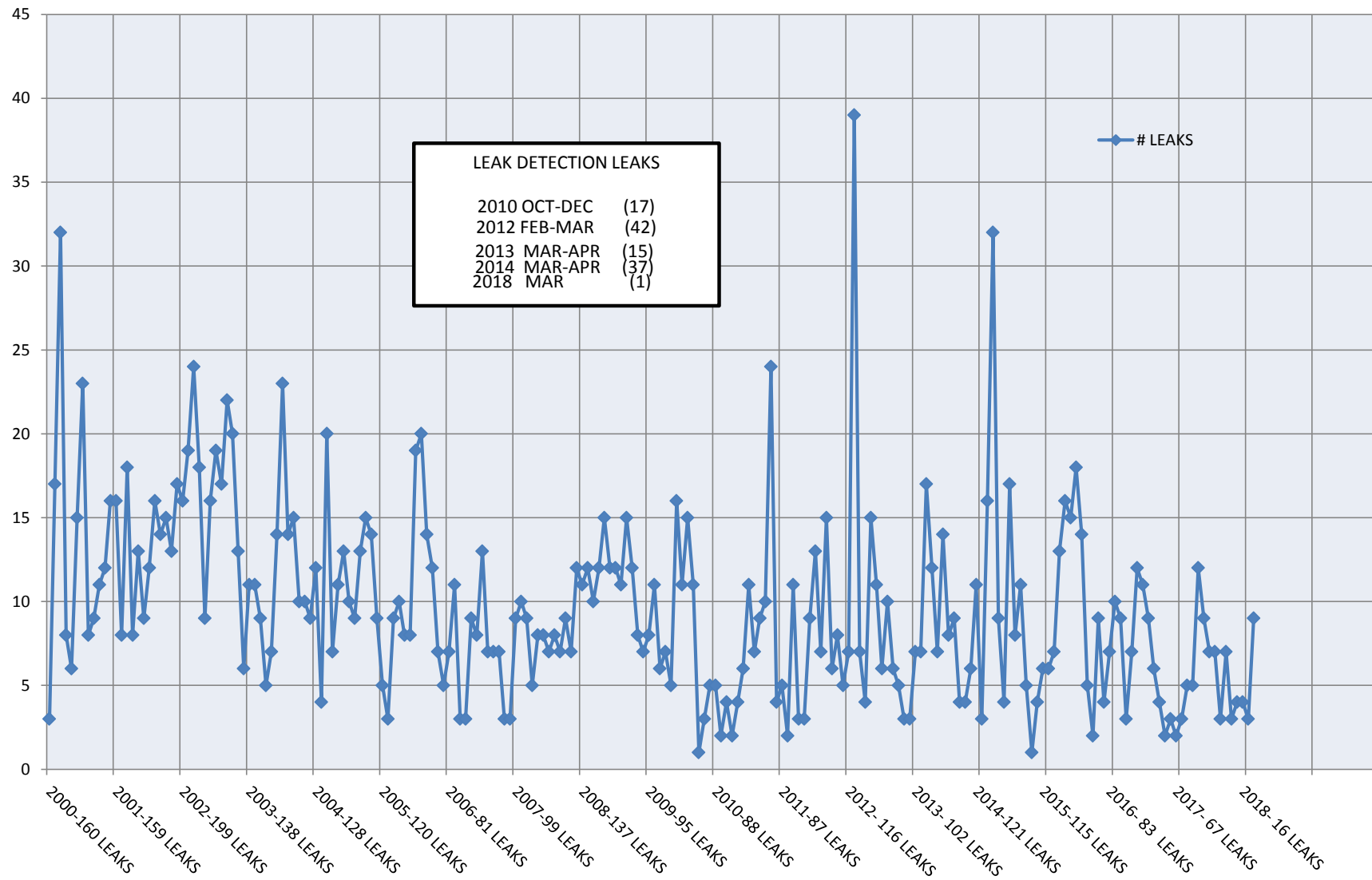
# MONTHLY PIPE INSTALLATION 2018, TOTAL INSTALLED FT.



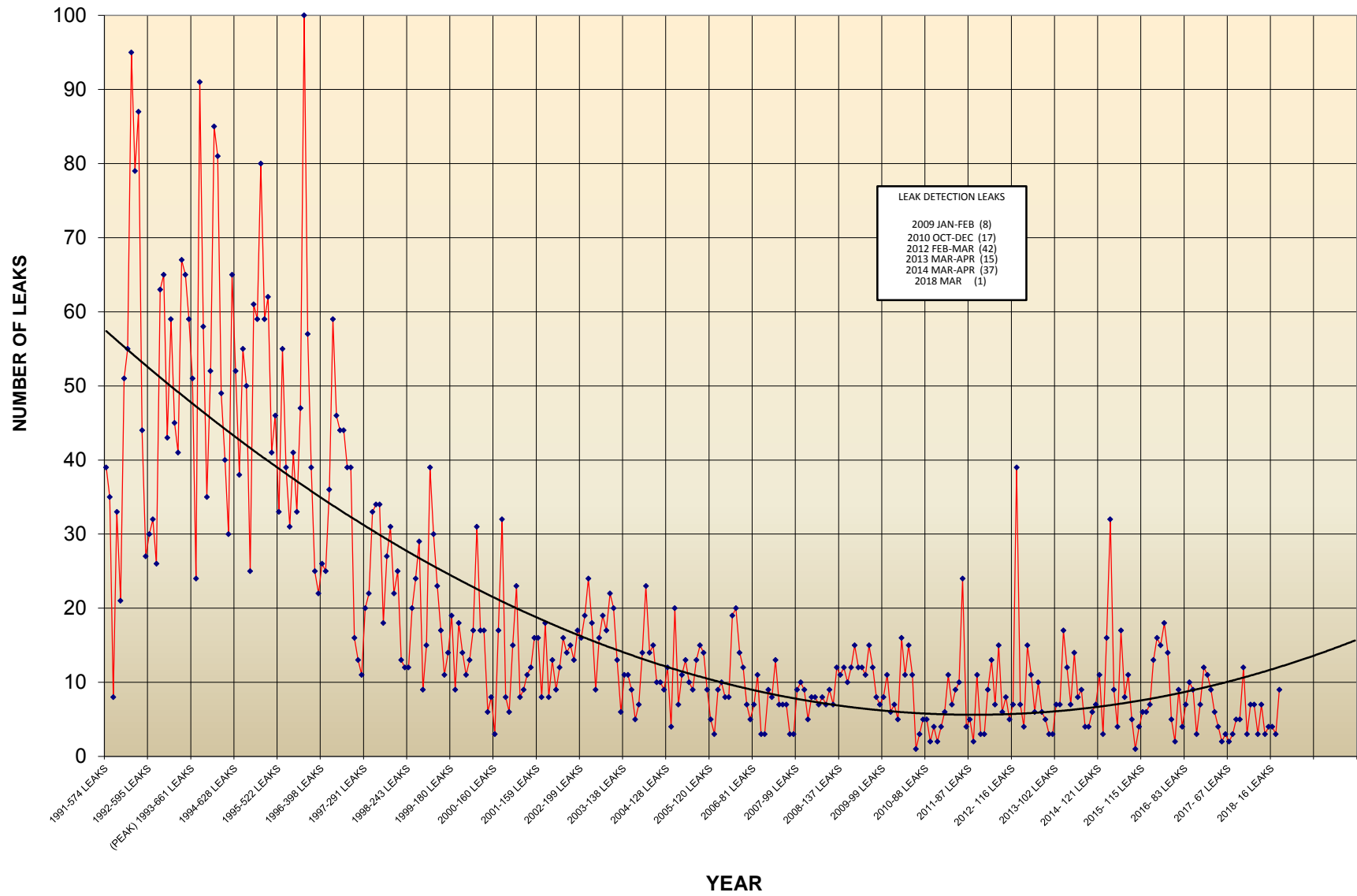
## 2018 METER WORK: 7 REPLACED; 3 NEW



## # MAINLINE LEAKS

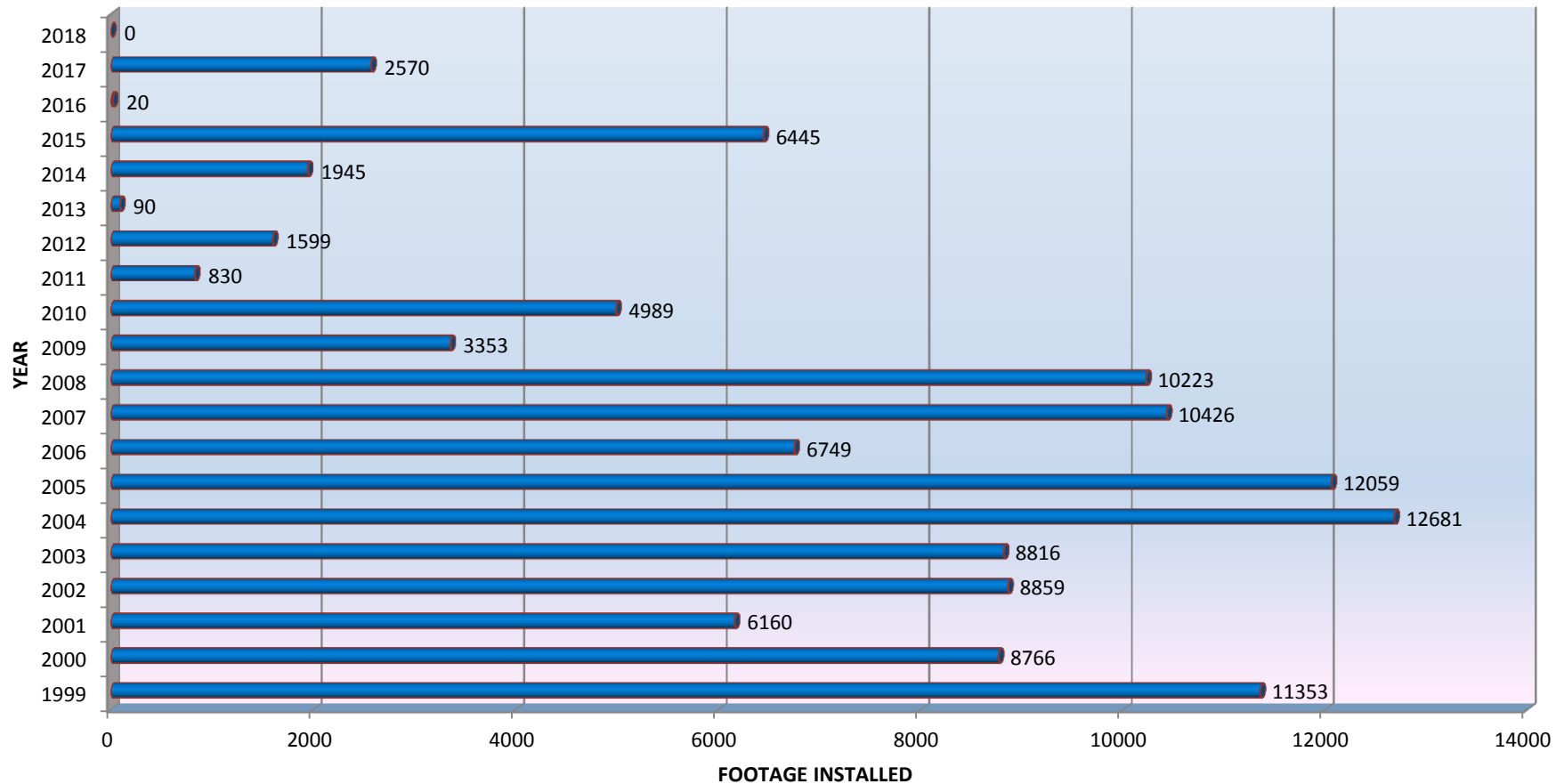


## MONTHLY LEAK HISTORY 1991 TO PRESENT

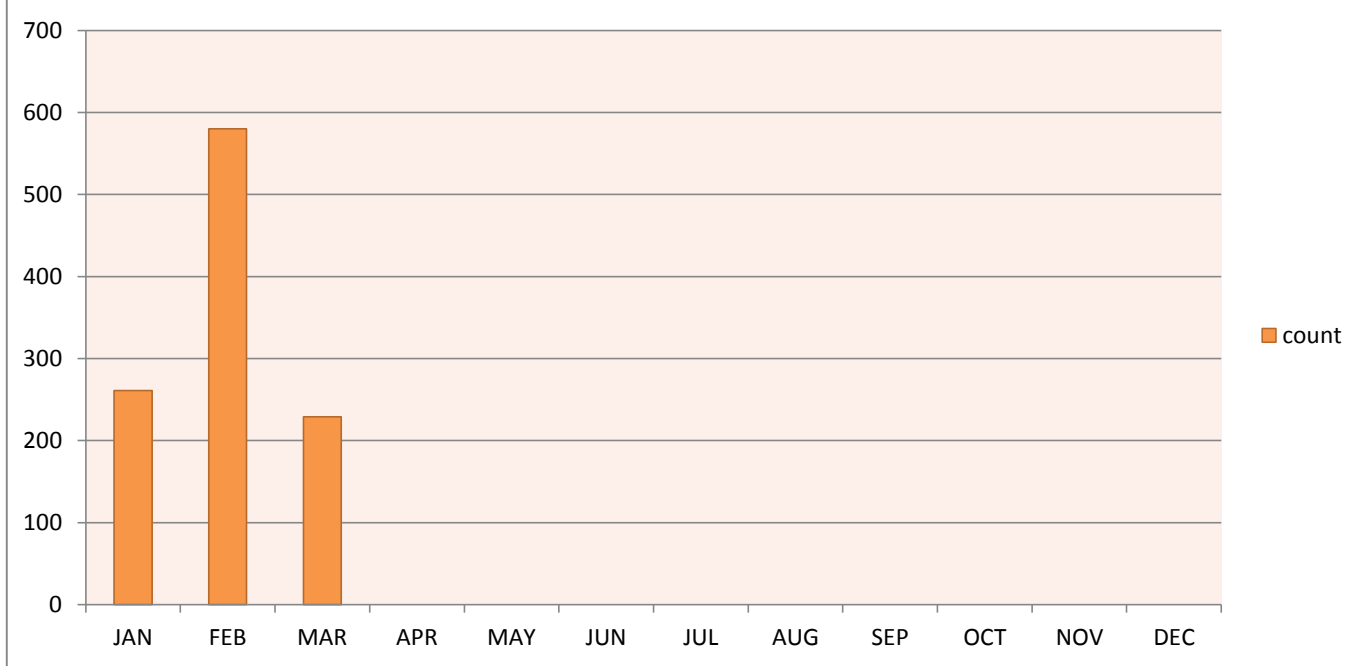




## PIPELINE INSTALLATION HISTORY



# FIREFLY REPLACEMENTS 2018



**TREATMENT - STAFF REPORT**  
**March 2018**

**SUPPLY & QUALITY:**

(See Attached Graphs)	March 2018	March 2017	March 6 yr. Avg.
Monthly Production (Million Gallons - MG)	67.3	60.5	80.2
	Range	Average	
Plant Production (MGD)	1.8 – 2.5	2.6	
Raw Water Turbidity (NTU)	0.42 – 3.45	1.50	
Treated Water Turbidity (NTU)	0.04 – 0.05	0.04	
Treated Water Chlorine (ppm)	0.90 – 1.34	1.06	

**WATER TREATMENT:**

- **Plant Production and Water Quality:** Average production decreased to **2.2 MGD** from **2.6 MGD** last month. Paradise Lake was the primary source of raw water for treatment during the month. The raw water turbidity increased during the month due to the recent rains.
- **Monthly Residential Water Conservation:** **34%** reduction comparing production in March 2018 – **67.3 MG** to March 2013 – **101.6 MG**.
- **Emergency Response Planning:** Staff is working on the Exercise After-Action list of items, including digitizing the ERP into a searchable format; updating contact information; some are attending SEMS/ICS online training; and contacting beverage distributing companies and the County, and confirming the availability of large quantities of delivered emergency bottled water to the District.
- **Plant & Distribution Operations:** 1. Corpro Technician completed a condition assessment and training regarding the cathodic protection systems for the tanks; the systems are working properly; staff is working on getting an assessment proposal for the 42-inch transmission pipeline to town. 2. Following a power outage, filter 3B media was disrupted by a valve sequencing problem at restart. Staff inspected the underdrains and found no problems. **Photo shows staff re-leveling the filter media.** 3. SANCO polymer coagulant testing requested a five (5) gallon sample of Magalia raw water.
- **PGE Energy Conservation Assessment:** Waiting for treatment plant's evaluation of the lighting energy reduction retrofit with LED technology, with a potential rebate determination.
- **Reservoir "B" Replacement; A Zone Pipeline & Pump Station:** 1. Waterworks is moving forward with the 90% design phase scheduled for completion in April/May. 2. Easement acquisition is underway for the A Zone Pipeline along Skyway. 3. \$12M SRF Construction Loan Application preparation is nearing completion. 4. Environmental documents are nearing completion.
- **Rehabilitation of C Tank and Cathodic Protection:** Harper and District staff are working on Bid documents. Project bidding planned for mid-summer. District counsel is working on a new set of General Provisions specific to the District.
- **NPDES Permit Renewal Assistance:** Consultants and Staff finalized the mixing zone and dilution credit evaluation memo and transmitted it to the Regional Board in a letter requesting their review and a meeting. **See attachments.**
- **NPDES Permit for Discharge to Magalia Reservoir:** No violation this month.
- **Process Water Recycle Project:**  
RFP Pond Alternative Design: Consideration of solicitation depending on outcome of NPDES permit renewal.  
Engineering & CEQA: Work Suspended.  
SRF Construction Loan Application: Pending completion of design and CEQA; full design cost recovery is contingent on construction of a project.  
SRF Planning and Design Loan Application: Staff has almost completed the application's requirements  
**CalOES/FEMA Grant:** All information requests were provided to CalOES/FEMA, and waiting for favorable communication from CalOES.
- **Drinking Water and NPDES Reports:** Completed monthly sampling and reports.
- Miscellaneous repairs to aging equipment and routine instrument calibrations.

**RECREATION:**

- **Lake Activities:** See attached Parking & Boating Permit Sales Chart & Table.
- **DBW North Lake Boat Launch Grant Project:** Waiting for DBW's response to District's concerns.
- **Kids Fishing Day Planning Committee:** Planning is in the final stages of completion.
- **Annual Trout Purchase:** Order was placed; delivery is planned for the beginning of the third week in April.

**WATERSHED - SOURCE of SUPPLY: Monthly Rainfall = 16.95" during 19 days; Greatest Rain Day = 3.17"**

Paradise Lake Levels (feet)	2018 Mar. 31 @ + 0.2	2018 Feb. 28 @ + 0.1	2017 Mar. 31 @ + 0.8'
-----------------------------	----------------------	----------------------	-----------------------

- **Paradise Lake Water Levels:** Calendar Years 2013 – 2018. **See Attachment.**
- **CalFire Service Crews:** Pending notification to clear homeless camp areas.
- **Paradise Ridge Fire Safe Council:** Discussed homeless camp plans for shaded fuel removal.
- **Little Butte Creek Phase II Shaded Fuel Project:** Project is nearing completion.
- **Prescribed Burning for Shaded Fuel Maintenance:** Met with a new Calfire replacement person to coordinate information. Met with Calfire Forester in charge of planning, who indicated he has a concern with having an available forester to work on the documentation.

**Re-leveling Filter 3C Media after Disruption:  
Power Outage Caused an Automated Valve Operations Sequencing Problem**







## PARADISE IRRIGATION DISTRICT

6332 Clark Road, Paradise CA 95969 | Phone (530)877-4971 | Fax (530)876-0483

March 29, 2018

Jeremy Pagan, Senior Water Resource Control Engineer  
California Regional Water Quality Control Board - Central Valley Region  
364 Knollcrest Drive, Ste. 205  
Redding, CA 96002

**Subject: NPDES Permit Renewal - Mixing Zone and Dilution Credit Evaluation**

Paradise Irrigation District (District) is required by Time Schedule Order No. R5-2010-0058-02 (TSO) to submit a Mixing Zone Study Work Plan by June 22, 2018 (6 months from the effective date of the Order). Regarding the permit renewal process, this is part of the District's plan for coming into compliance with final effluent limits for dichlorobromomethane (DCBM) and aluminum (Al).

The District conducted an evaluation of available dilution using the USEPA approved mixing zone model CORMIX, and determined that the dilution available in Magalia Reservoir is greater than the dilution needed to achieve effluent limitations with which the District can consistently comply. The assumptions used, analysis conducted and results of the evaluation are provided in the attached memorandum, *Paradise Irrigation District Mixing Zone and Dilution Credit Evaluation*.

This evaluation is being provided to meet the requirements of the TSO to determine a method of compliance. The District requests that you and your staff review the memorandum and provide any comments or requested additions or modifications. If the analysis is determined to meet the necessary requirements, the results can be used to develop final effluent limits for DCBM and Al in a renewed permit.

The District can prepare and submit a Report of Waste Discharge (ROWD) within 60 days of receiving approval of the Mixing Zone and Dilution Credit Evaluation to initiate the permit renewal process.

Once you have had a chance to review the evaluation memorandum, we would like to schedule a meeting to discuss the results and the permit renewal schedule and process. Please, feel free to contact me at 530-876-2067 if you need additional information or if I can be of assistance.

Sincerely,

Jim Passanisi  
Treatment Superintendent

Attachment: Paradise Irrigation District Mixing Zone and Dilution Credit Evaluation (March 2018)



# Memorandum

**Airy Krich-Brinton**

**Steve Maricle**

1480 Drew Ave, Suite 100

Davis, CA 95616

530.753.6400

530.753.7030 fax

stevem@lwa.com

DATE: March 27, 2018

TO: Jim Passanisi, Paradise Irrigation District

COPY: Sami Kader, WWE  
Betsy Elzufon, LWA  
Mitch Mysliwec, LWA

SUBJECT: **Paradise Irrigation District Mixing Zone and Dilution Credit Evaluation**

Paradise Irrigation District (the District) discharges supernatant from their backwash waste ponds at the Paradise Irrigation District Water Treatment Plant to the Magalia Reservoir under a permit issued in 2010 (NO. R5-2010-0057, CA0083488). The initial permit had effluent limits for aluminum and dichlorobromomethane with which the District was unable to consistently comply. A Time Schedule Order (TSO) was issued with interim effluent limits and a compliance schedule in May 2010 (R5-2010-0058) and amended to extend the time schedule in May 2015 (R5-2015-0050). In August 2017, the District requested an additional two-year time extension of the TSO. A second revised TSO was issued in December 2017 (R5-2010-0058-02) providing a final compliance date of April 2020 and additional tasks associated with conducting a Mixing Zone Study.

The District's current permit (R5-2010-0057) contains effluent limits that do not consider dilution. This memo updates the effluent limits based on current criteria and evaluates the dilution credits the District needs for compliance. The effluent limits update uses data collected from two monitoring locations at the District's treatment ponds, EFF-001 and EFF-002. This memo also presents an analysis of available dilution using a mixing zone model based on the current discharge point, which includes effluent from both EFF-001 and EFF-002, and a hypothetical scenario where effluent is discharged through a diffuser.

## **CURRENT LIMITS AND NO DILUTION**

Final effluent limits for aluminum and dichlorobromomethane (DCBM) were recalculated following the 2010 permit method, but using the updated coefficient of variation from the 2013-

2017 dataset collected at EFF-001 and EFF-002 and no dilution. The calculations and results are shown in Table 1. The DCBM effluent limits are calculated based on the California Toxics Rule (CTR) human health (HH) water quality (WQ) criteria of 0.56 µg/L. Both average monthly effluent limitations (AMEL) and maximum daily effluent limitations (MDEL) are derived for DCBM. A comparison of the 2010 permits limits, the TSO interim limits, and the calculated limits are shown in Table 2.

The aluminum effluent limits in the 2010 permit were calculated from a USEPA National chronic criterion of 87 µg/L, which is not applicable to Magalia reservoir, as discussed in the permit (provision VI.C.1.f page 20 and Fact Sheet page F-19). Current practice in the Central Valley is not to use the National criterion chronic criterion based on studies that indicate that it is not applicable to receiving waters with hardness levels greater than 10 mg/L as CaCO<sub>3</sub>, as is the case in Magalia reservoir. Therefore, effluent limits for aluminum were calculated using the acute criterion of 750 µg/L and the secondary Maximum Contaminant Level (MCL) of 200 µg/L, and not the chronic criterion of 87 µg/L. Furthermore, in recent years it has become common practice to utilize average weekly effluent limitations (AWEL) for non-priority pollutants, such as aluminum.

**Table 1. Calculation of Updated Effluent Limits without Dilution**

	Aluminum, µg/L		DCBM, µg/L
	Acute	MCL	CTR HH
WQ Criteria	750	200	0.56
Background (max)	270	NA	NA
Background (average)	NA	68	0.56 or low level 0.06
Dilution Credit	0	0	0
Effluent Concentration Allowance (ECA)	750	200	0.56
Coefficient of Variation (CV)	0.414	0.414	0.428
ECA Multiplier	0.429	-	-
Long Term Average (LTA)	322	-	-
Monthly monitoring frequency	4	4	4
AMEL Multiplier (95 <sup>th</sup> %)	1.37	1.37	1.39
<b>AMEL</b>	<b>441</b>	<b>200</b>	<b>0.56</b>
MDEL Multiplier (99 <sup>th</sup> %)	2.33	2.33	2.39
MDEL HHmultiplier	-	1.70	1.72
<b>MDEL</b>	<b>750</b>	<b>340</b>	<b>0.97</b>
AWEL Multiplier	2.09	2.09	2.13
AWEL HHmultiplier	-	1.53	-
<b>AWEL</b>	<b>673</b>	<b>305</b>	<b>-</b>

**Table 2. Summary of Permit Limits, Interim Limits and Updated Limits**

	Aluminum, µg/L		DCBM, µg/L	
	AMEL	MDEL	AMEL	MDEL
2010 Permit limits	77.2	123	0.56	1.12
2010 TSO Interim Limits	790	790	3	3
Calculated updated limits, without dilution	200 <sup>[a]</sup>	340	0.56	0.97 <sup>[b]</sup>

[a] Using the MCL of 200 µg/L and not the chronic criterion of 87 µg/L.

[b] This decrease is caused by a lower coefficient of variation (0.43 instead of the default 0.6).

### COMPLIANCE LEVELS AND DILUTION CREDITS

The effluent data were compared with the updated effluent limits calculated without dilution. The probabilities of compliance are shown in Table 3. The statistical distribution of the data characterizing the discharge was compared to the effluent limits to determine the percentage complying with the effluent limits presented in Table 2. The statistical levels of compliance are the 99.91<sup>st</sup> percentile (one exceedance in three years, with daily sampling) and the 97.22<sup>nd</sup> percentile (one exceedance in three years, with monthly average data from daily sampling). The percentiles were calculated using data collected at EFF-001 and EFF-002 between 2013-2017, using a lognormal distribution since the datasets are log-normally distributed. Without the consideration of dilution, the current discharge cannot meet the calculated effluent limitations.

**Table 3. Probability of Compliance with Updated Limits**

	Aluminum, µg/L		DCBM, µg/L	
	AMEL	MDEL	AMEL	MDEL
Calculated limits with no dilution	200	340	0.56	0.97
Probability of compliance	30.6%	84.8%	0.1%	3.9%

Dilution is available for the discharge and the dilution credits necessary to result in effluent limits above the current levels of the constituents in the discharge were calculated. Effluent limits for dichlorobromomethane were calculated considering the average ambient concentrations, because dichlorobromomethane is a human health carcinogen and the effect is from a long-term exposure. Similarly, the lowest applicable criterion for aluminum is a long-term average MCL; therefore, the ambient average is also appropriate for this criterion.

The SIP states that the ambient average concentration must be calculated after setting non-detected values equal to their reporting limits (or MDLs). In that case, the average ambient DCBM concentration (analyzed by the Purge and Trap method with a method detection level (MDL) of 0.5 µg/L) is 0.555 µg/L, leaving only 0.005 µg/L of assimilative capacity with the CTR human health criterion of 0.56 µg/L. This would not be sufficient to calculate a reasonable dilution to result in compliance. In addition, when analysis methods with higher MDLs are used, the likelihood of false detects increases. Methods with lower detection limits are available, and such a method and disregarding the Purge and Trap method results should be considered and

discussed with the Regional Board staff. It is recommended that an ambient sample be analyzed using a low-level analytical method, which (if non-detected) would allow the use of the associated MDL, typically around 0.06 µg/L as the background concentration in the effluent limitation calculation. The low-level analysis MDL was used as the ambient concentration in the calculation, assuming the future receiving water samples will result in non-detect levels of DCBM.

The dilution calculations are shown in Table 4.

**Table 4. Calculation of Dilution for Compliance**

	Aluminum, µg/L		DCBM, µg/L
	Acute	MCL	CTR HH
WQ Criteria	750	200	0.56
Background (Max or Avg)	270	68	0.06 low level MDL <sup>[a]</sup>
Assimilative capacity?	Yes	Yes	Yes
AMEL necessary for compliance	441	462	4.74
LTA	322	-	-
ECA	750	462	4.74
Dilution, D	0.0	<b>2.0</b>	<b>8.3</b>
MDEL necessary for compliance	750	701	8.0
LTA	322	-	-
ECA	750	412	4.63
Daily dilution, D	0.0	1.6	8.1
<b>Necessary dilution credits</b>		<b>2.0</b>	<b>8.3</b>

[a] Assumes only the data collected using low-level detection limits would be considered in effluent limitation calculations and that all of the data would be non-detect.

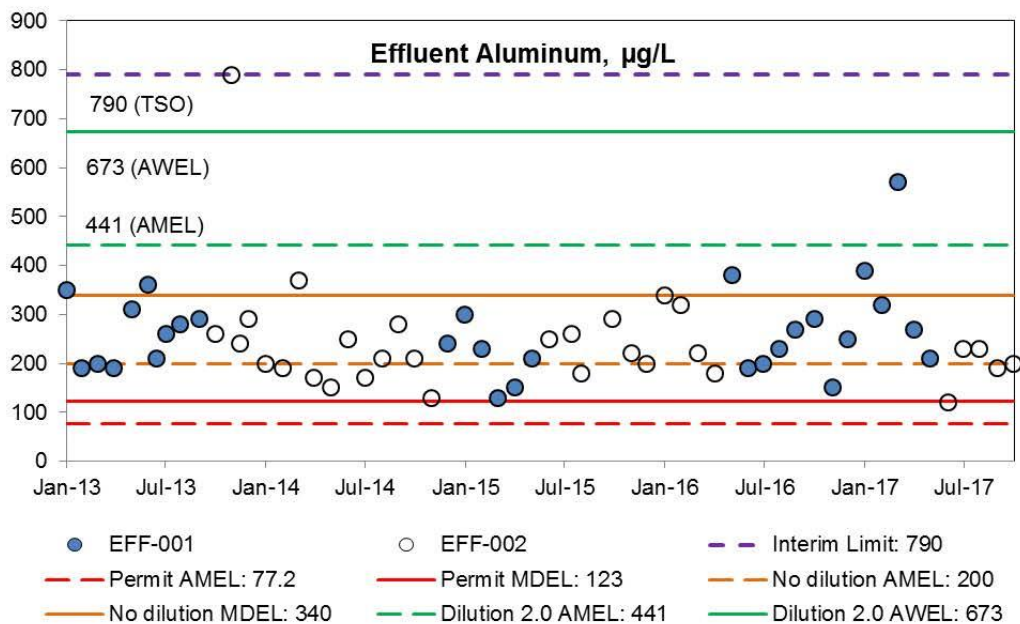
A summary of the effluent limits calculated with the necessary dilutions is shown in Table 5.

**Table 3. Summary of Effluent Limits for Compliance**

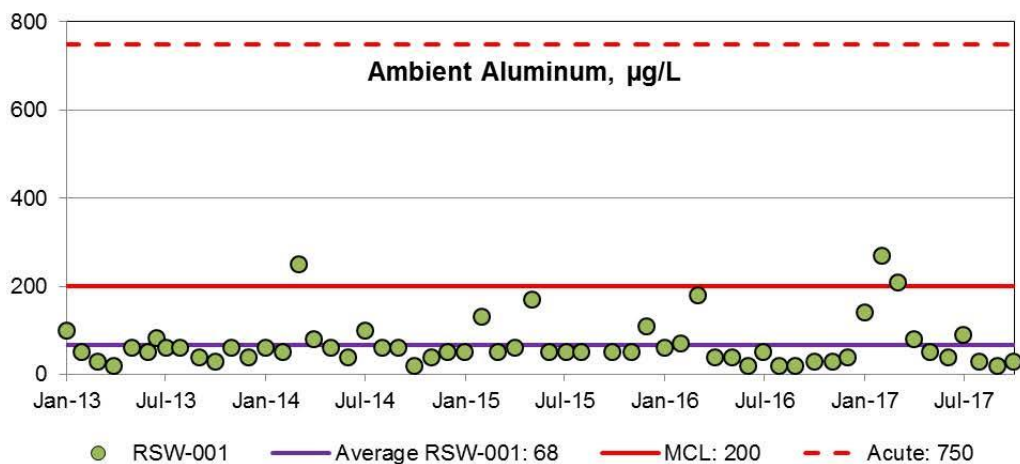
	Dilution	AMEL	AWEL	MDEL	MEC
Aluminum, µg/L	2.0	441	673	750	570 EFF-001 790 EFF-002
DCBM, µg/L	8.3	4.7	-	8.1	4.8 EFF-001

Time series graphs of the effluent and receiving water data and limits are shown in Figures 1 through 4. It is unusual for trihalomethanes to be detected in ambient water, as they are a byproduct of chlorination within the treatment works. These ambient data were collected using the Volatile Organic Compounds Purge and Trap method with a method detection level (MDL)

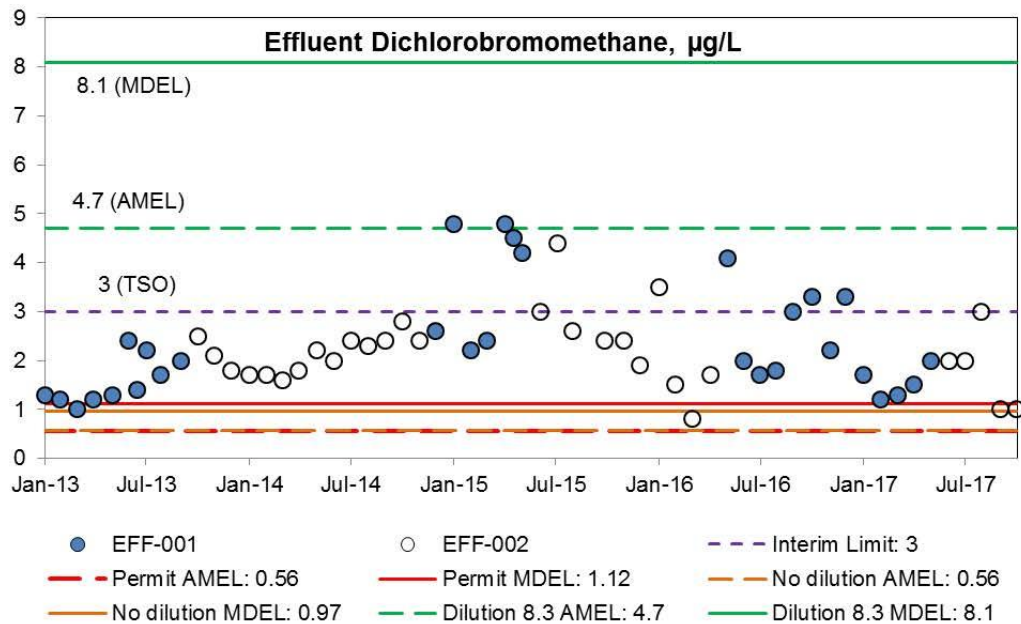
of 0.5 µg/L. It is expected that a low-level analytical method (with a MDL of 0.06 µg/L) would result in fewer or lower detected values (or none), allowing more assimilative capacity.



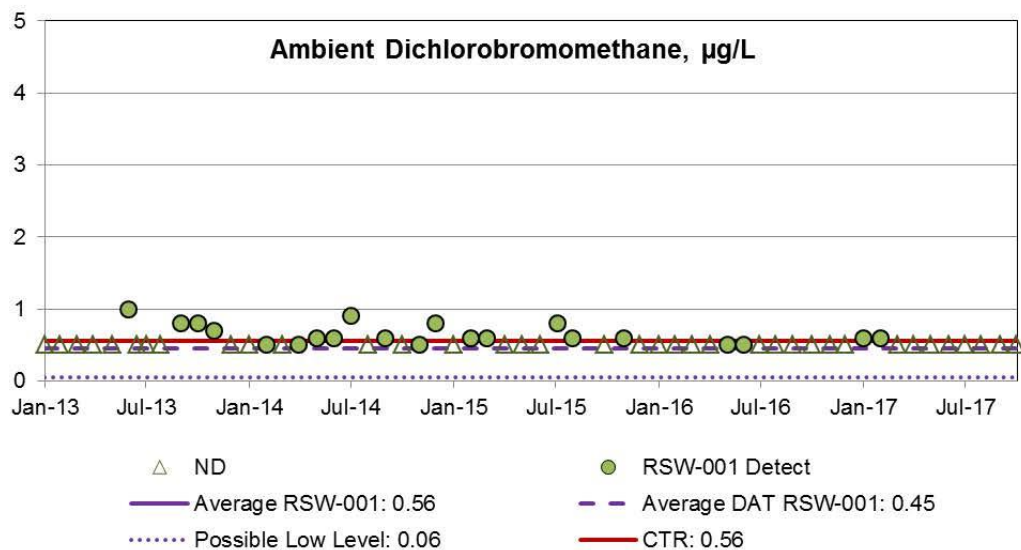
**Figure 1. Time Series of Aluminum Effluent Water Results**



**Figure 2. Time Series of Aluminum Ambient Water Results**



**Figure 3. Time Series of Dichlorobromomethane Effluent Water Results**



**Figure 4. Time Series Graph of Dichlorobromomethane Ambient Water Results**



## MIXING ZONE MODEL

The USEPA approved mixing zone model CORMIX was used to determine the available dilution from the current discharge. Additionally, scenarios reflecting a modified discharge were modeled to assess the change in dilution. The modeled available dilution is compared to the required dilution as listed in Table 5 to assess the ability of the effluent to comply with effluent limitations. The southernmost portion of the Magalia Reservoir bordering the dam shown in Figure 5 is the area of interest of the model. The reservoir is 800 feet wide at the current discharge point and the intake is located 400 feet from the eastern bank. CORMIX was run with a discharge located at the current location, along the eastern bank, as well as a hypothetical diffuser, 200 feet from the eastern bank.



Figure 5. Overview of Magalia Reservoir and WWTP Discharge

## Ambient Assumptions

The reservoir was modeled as an unbounded water body with the constant ambient assumptions listed in Table 6. Additional explanation of the modeling assumptions are provided below.

### *Steady state model framework*

As CORMIX is a steady state model and the reservoir is fairly static receiving water, the simulations terminate after the initial mixing energy of the discharge entering the reservoir has



dissipated. Further dispersion of the plume would occur after initial mixing, but is not modeled by CORMIX under the low ambient water velocities representative of Magalia Reservoir. Raw water is typically supplied to the water treatment plant via the Magalia bypass pipeline. Water is occasionally withdrawn from Magalia Reservoir for use in the treatment plant such as when clarifiers are being flushed or when the water from the bypass pipeline is difficult to coagulate. Water from Magalia reservoir seeps through the earthen dam forming the reservoir throughout the year. During the winter Magalia Reservoir water is often released downstream and spills infrequently under wet water years. Additionally, water may be withdrawn from the reservoir to provide downstream fish flows. Flow through the reservoir appears sufficient to prevent accumulation of constituents in the discharge as is evidenced by the measured aluminum concentrations in Figures 1 and 2 where the concentration in the reservoir maintains an average well below typical effluent measurements and the ambient concentrations are trending lower over time.

#### *Assumptions associated with SIP Requirements*

Section 1.4.2. of the State Implementation Plan (SIP)<sup>1</sup> describes the conditions under which dilution credits and mixing zones are approved. To be consistent with the SIP, the scenarios modeled reflect critical low flow conditions, and do not consider “high flow” reservoir conditions (i.e., where the flow direction changes and water flows over the spillway which is located between the discharge and the water intake). In addition, consistent with SIP requirements, no reactions of the constituents within the mixing zone are considered within the model. Because DCBM will volatilize, this assumption results in the modeling being additionally conservative.

#### *Constant depth and temperature of reservoir*

The model assumed that the depth and temperature of the reservoir were constant across its entire width. Scenarios were modeled where the temperature of the reservoir is varied, however, in each scenario the temperature is assumed to be constant across the cross-section. The discharge enters the reservoir at the shoreline, and mixes through the water column as the plume moves outward. As the dilution is determined by the volume of water the discharge is entering, the ambient depth was conservatively chosen as 10 feet which occurs approximately 30 feet from the shoreline based on topographic maps. The depth 300 feet from shore approaches 45 feet deep. The more sophisticated representation of the reservoir with a shallow depth at the point of discharge and the bottom slope to reflect the reservoir being deeper further from shore does not run properly when a zero current is selected. Part of the investigation included the conservative limiting case of zero currents in the reservoir at the time of discharge. The CORMIX model properly runs the scenario of zero currents with a rectangular ambient cross section. Knowing the discharge would mix vertically near the shoreline and continue to mix vertically as the plume moved further from shore and the water depth increased, the water depth for the rectangular approximation was selected.

---

<sup>1</sup> SWRCB, 2005. *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California*. State Water Resources Control Board, California Environmental Protection Agency, 2005.

### *Variation of ambient velocity*

To determine if it is an important parameter, multiple scenarios were run using three different ambient velocities. The ambient velocities are assumed to be low, since a majority of the outflow of the reservoir is from the intake. The flow rate of the intake is distributed across the width of the reservoir to determine the ambient velocity.

### *Buoyancy*

The density difference between the discharge and the receiving water may affect the dilution. In freshwater, the temperature of the water is the major variable determining the water density. The reservoir and discharge holding ponds are open to the atmosphere and are assumed to be similar in temperature. To assess potential density effects, the temperature of the effluent and reservoir were varied in several scenarios.

**Table 6. Model Assumptions for Ambient Water Body**

<b>Ambient</b>	<b>Assumptions</b>
Ambient Depth	10 ft.
Ambient Temperature	5, 10, 15, 20, 25 °C
Wind Speed	0 ft/s
Manning's n	0.03
Velocity	0.0, 0.01, 0.001 ft/s

### **Scenario 1: Discharge from Bank**

The first scenario describes the current conditions for the District's discharge. The effluent enters the east side of the reservoir as an open channel and perpendicular to the shore. The effluent was modeled using CORMIX3, the sub-model for surface discharges. The assumptions for the discharge portion of the model are in Table 7. Multiple instances of the model were run using three different effluent temperatures.

**Table 7. Model Assumptions for Effluent Discharge**

<b>Effluent</b>	<b>Assumptions</b>
Effluent Flow Rate	2 mgd
Discharge Outlet Width	2 ft
Discharge Outlet Depth	0.5 ft
Effluent Temperature <sup>(1)</sup>	5, 10, 15, 20, 25 °C

1 CORMIX3 cannot model scenarios where the effluent has a higher density than the ambient water body.

### **Model Results**

The model was run with varying effluent temperatures and ambient velocities. Table 8 contains the results from the different model input scenarios. The "X" and "Y" pertain to the location within the ambient water body relative to the point of discharge where the dilution ratio (D) is met. "X" describes the distance traveled parallel to the shoreline and "Y" describes the distance perpendicular to the shoreline. Each scenario that yielded results contains the size of the mixing

zone needed to achieve three dilution ratios. For each of the sub-scenarios, at the first distance from the discharge, the result is a dilution (D) of 2.0 to coincide with the calculated aluminum dilution credit. A second distance is a dilution (D) of 8.3, which is the dilution credit for DCBM. The last distance is a dilution (D) of 19, which is used to show that a distance closer to the drinking water intake will still be in compliance.

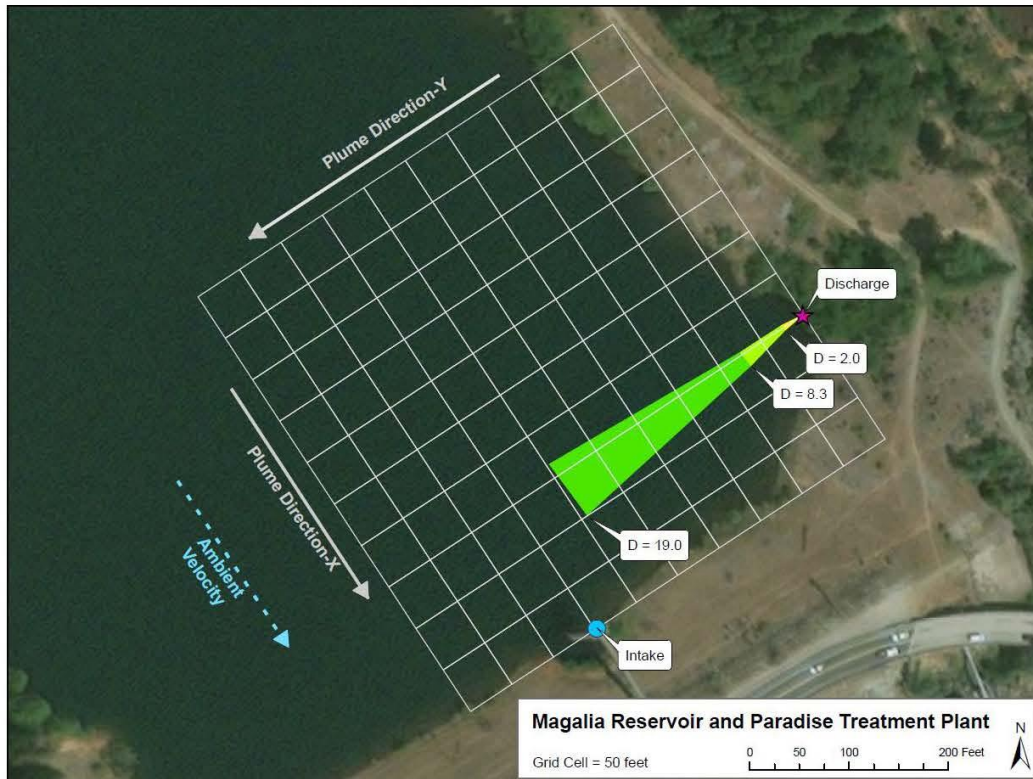
The discharge is 150 feet in the X direction and 350 feet in the Y direction away from the intake. All of the modeled dilution credits are well before the intake location. Scenario 4 is represented in Figure 6, to show how all of the plumes in the five scenarios met each of the dilution credits well before the drinking water intake. Generally, as the ambient velocity in the reservoir increases the size of the mixing zone decreases. Likewise, as the temperature of the water increases, the size of the mixing zone decreases. Scenario 1 results in the largest mixing zone of the scenarios evaluated.

**Table 8. CORMIX Model Results**

CORMIX Run	Ambient Velocity (ft/s)	Ambient Temp (°C)	Effluent Temp (°C)	Plume Direction-X (ft)	Plume Direction-Y (ft)	D <sup>[a]</sup> (dilution)
Scenario 1 <sup>[b]</sup>	0	5	5	0.0	24.1	2.0
				0.0	78.2	8.3
				0.0	299.3	19.0
Scenario 2	0.0	5	10	0.0	22.9	2.0
				0.0	68.9	8.3
				0.0	143.8	19.0
Scenario 3	0.0	15	20	0.0	22.4	2.0
				0.0	64.4	8.3
				0.0	161.3	19.0
Scenario 4	0.0	15	20	0.0	22.1	2.0
				0.0	64.6	8.3
				0.0	175.3	19.0
Scenario 5	0.0	20	25	0.0	21.7	2.0
				0.0	65.3	8.3
				0.0	186.5	19.0
Scenario 6	0.0002	20	20	0.1	24.3	2.0
				0.2	78.9	8.3
				3.8	298.5	19.0
Scenario 7	0.001	20	20	0.07	24.1	2.0
				0.23	78.2	8.3
				2.66	297.3	19.0
Scenario 8	0.01	20	20	0.46	24.0	2.0
				5.45	73.5	8.3
				19.75	284.2	19.0
Scenario 9	0.0002	5	5	0.1	24.3	2.0
				0.2	78.9	8.3
				3.8	298.5	19.0
Scenario 10	0.002	5	5	0.1	24.5	2.0
				1.2	78.5	8.3
				12.9	290.8	19.0
Scenario 11	0.02	5	5	0.8	24.5	2.0
				10.5	66.8	8.3
				102.5	182.1	19.0

[a] CORMIX calculates dilution, S, as volume of water in plume/volume of effluent, whereas the SIP uses dilution, D, volume of ambient/volume of effluent.  $D = S - 1$ . The CORMIX output are converted to D to facilitate comparisons with effluent limitation calculations.

[b] Dilution and plume sizes are identical for all cases where ambient and effluent temperatures are equal from 5 to 25 °C



**Figure 6. WWTP Discharge Location on Bank with Mixing Zone Scenario 4**

### **Scenario 2: Discharge from Diffuser**

The second scenario changes the discharge from an open channel to a diffuser and relocates it 200 feet upstream from the current discharge. This scenario was modeled using CORMIX2, which is for multiport discharges. The ambient assumptions remain unchanged from those in Table 7. The assumptions for the discharge portion of the model are in Table 9. Multiple instances of the model were run using three different effluent temperatures.

**Table 9. Model Assumptions for Effluent Discharge**

<b>Effluent</b>	<b>Assumptions</b>
Effluent Flow Rate	2 mgd
Diffuser Length	100 ft
Diffuser Distance from Shore	100 ft
Port Height	1 ft
Port Diameter	0.5 ft
Total Number of Ports	5
Vertical Angle of Diffuser Ports	15 deg
Horizontal Angle of Diffuser	90 deg
Effluent Temperature	15, 20, 25 °C

### **Model Results**

The model was run with varying effluent temperatures and ambient velocities. Table 10 contains the results for the different model input scenarios. The “X” and “Y” pertain to the location within the ambient water body where the dilution ratio (D) is met. “X” describes the distance traveled parallel to the shoreline and “Y” describes the distance perpendicular to the shoreline. These are illustrated in Figure 7. Each scenario that yielded results contains distances traveled for three dilution ratios. The temperature of the effluent did not have an effect on the results. A well designed diffuser provides the energy for mixing through the effluent velocity through the ports. The mixing is sufficient to overcome the density difference produced by the different temperatures of effluent and receiving water. For each of the sub-scenarios, at the first distance from the diffuser, the result is a dilution (D) of 2.0 to coincide with the calculated aluminum dilution credit. A second distance is a dilution (D) of 8.3, which is the dilution credit for DCBM. The last distance is a dilution (D) of 19, which is used to show that a distance closer to the drinking water intake will still be in compliance.

The midpoint of the diffuser is 350 feet in the X direction and 150 feet in the Y direction away from the intake. All of the modeled dilution credits are well within this limit. Scenario 1 is represented in Figure 6, to show how all of the plumes in the seven scenarios met each of the dilution credits well before the drinking water intake.

**Table 10. CORMIX Model Results**

<b>CORMIX Run</b>	<b>Ambient Velocity (ft/s)</b>	<b>Ambient Temp (°C)</b>	<b>Effluent Temp (°C)</b>	<b>Plume Direction-X (ft)</b>	<b>Plume Direction-Y (ft)</b>	<b>D<sup>[a]</sup> (dilution)</b>
Scenario 1	0	20	20	0.4	0	2.0
				7.6	0	8.3
				39.7	0	19.0
Scenario 2	0.001	15	15	0.4	0	2.0
				7.5	0	8.3
				39.4	0	19.0
Scenario 3	0.001	20	20	0.4	0	2.0
				7.5	0	8.3
				39.4	0	19.0
Scenario 4	0.001	25	25	0.4	0	2.0
				7.5	0	8.3
				39.4	0	19.0
Scenario 5	0.01	15	15	0.4	0	2.0
				6.5	0	8.3
				34.4	0	19.0
Scenario 6	0.01	20	20	0.4	0	2.0
				6.5	0	8.3
				34.4	0	19.0
Scenario 7	0.01	25	25	0.4	0	2.0
				6.5	0	8.3
				34.4	0	19.0

[a] CORMIX calculates dilution, S, as volume of water in plume/volume of effluent, whereas the SIP uses dilution, D, volume of ambient/volume of effluent.  $D = S - 1$ . The CORMIX output is converted to D to facilitate comparisons with effluent limitation calculations.





Figure 7. WWTP Discharge Using a Diffuser with Mixing Zone Scenario 1

### CONSIDERATION OF THE REQUESTED MIXING ZONES

Section 1.4.2.2 of the SIP stipulates conditions necessary for the approval of mixing zones. The District requests the mixing zones necessary for aluminum and DCBM compliance for the current discharge. The requested mixing zones are displayed in Figure 6. The requested mixing zones are for the aluminum MCL  $D=2.0$  approximately 24 feet from the point of discharge, and for the DCBM human health  $D=8.3$  approximately 78 feet from the point of discharge. Ultimately, with the mixing zone for aluminum, the acute criterion becomes the most stringent and therefore the basis of the aluminum effluent limitations. The SIP requirements are discussed below.

**A mixing zone shall not compromise the integrity of the entire water body.** The proposed mixing zones are small relative to the area around the discharge. Additionally, the dilution continues to increase after the requested levels further reducing the constituent concentrations in the receiving water.

**A mixing zone shall not cause acutely toxic conditions to aquatic life passing through the mixing zone.** All acute criteria are met at the point of discharge. There is acute dilution available, and it could be demonstrated that an acute mixing zone, if small enough, would not cause acutely toxic conditions. However, none such mixing zone is requested at this time.

**A mixing zone shall not restrict the passage of aquatic life.** The requested mixing zones allow free movement of aquatic life around and under the plumes. Additionally, the mixing zones are not for aquatic life criteria, all such criteria are being met at the point of discharge. There are no restrictions to aquatic life with the requested mixing zones.

**A mixing zone shall not adversely impact biologically sensitive or critical habitats...** None of the requested mixing zones are for aquatic life criteria. There are no restrictions to aquatic life with the requested mixing zones.

**A mixing zone shall not produce undesirable or nuisance aquatic life.** Aluminum and DCBM are not biostimulatory, and would not affect the levels of undesirable or nuisance aquatic life.

**A mixing zone shall not result in floating debris, oil, or scum.** All constituents relating to floating debris, oil, or scum are controlled at the point of discharge and not affected by the requested mixing zones.

**A mixing zone shall not produce objectionable color, odor, taste, or turbidity.** The aluminum secondary MCL will be met at the edge of the requested mixing zone. The requested mixing zones do not affect the other parameters.

**A mixing zone shall not cause nuisance.** Granting of the mixing zones will not allow constituents that cause objectionable color, odor, taste, turbidity, floating debris, oil, or scum. Granting of the requested mixing zones will not affect the character of the discharge to sensory perceptions.

**A mixing zone shall not dominate the receiving water body or overlap a mixing zone from different outfalls.** As displayed on Figure 6, the mixing zones are small in relation to the reservoir.

**A mixing zone shall not be allowed at or near any drinking water intake.** As displayed on Figure 6, the mixing zones do not encompass the drinking water intake. Additionally, the ultimate dilution of  $D=19$  is reached well before the plume reaches the drinking water intake.

As all the requested mixing zones meet the requirements in the SIP, they should be suitable for consideration in the Permit development.

## CONCLUSION AND RECOMMENDATION

Dilution is available for the District's open channel discharge to Magalia Reservoir. Dilution credits (D) of 2.0 and 8.3 are necessary to achieve effluent limitations for aluminum and DCBM, respectively, for future compliance of the discharge based on current measured levels of these constituents. Five different scenarios were modeled for varying conditions and for each scenario the mixing zone occurred before the drinking water intake. The scenarios with lower ambient velocity had larger mixing zones, but even then, the mixing zones would not reach the intake for the compliance dilutions (D) of 2.0 and 8.3. The requested mixing zones were evaluated against the conditions listed in Section 1.4.2.2 of the SIP and appear acceptable for use in Permit development. The discharge plume continues to dilute in the reservoir and reaches the ultimate  $D=19$  well before the plume reaches the water intake.

A second scenario was modeled for a diffuser that would be located upstream from the current discharge. The model showed the scenario would be compliant for both aluminum and DCBM. Although, the modeled mixing zones were smaller for the scenario involving the diffuser, it is

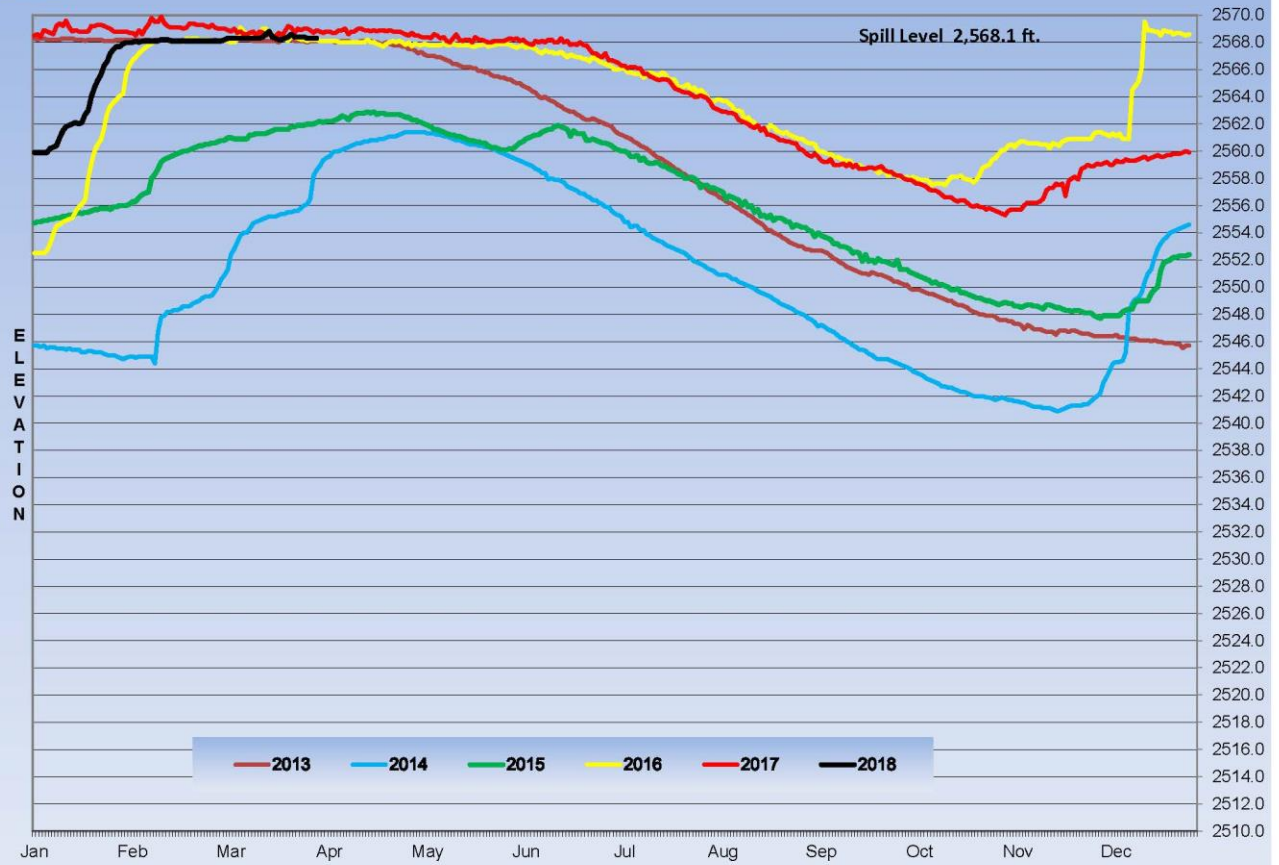
not necessary to be compliant. No additional benefit would be gained by installing a diffuser as the depth of the reservoir limits the ultimate dilution. Pursuing the installation of the diffuser is not necessary at the present time.

Because the ultimately available dilution is more than double the requested dilution and none of the criteria being addressed by the mixing zones are for aquatic life, it is our recommendation that a tracer study is not warranted at this time. It is recommended that the results of this modeling analysis be discussed with Regional Board staff and that they are sufficient to show compliance at the current effluent discharge location. A mixing zone tracer study is not necessary to demonstrate that adequate dilution is available.

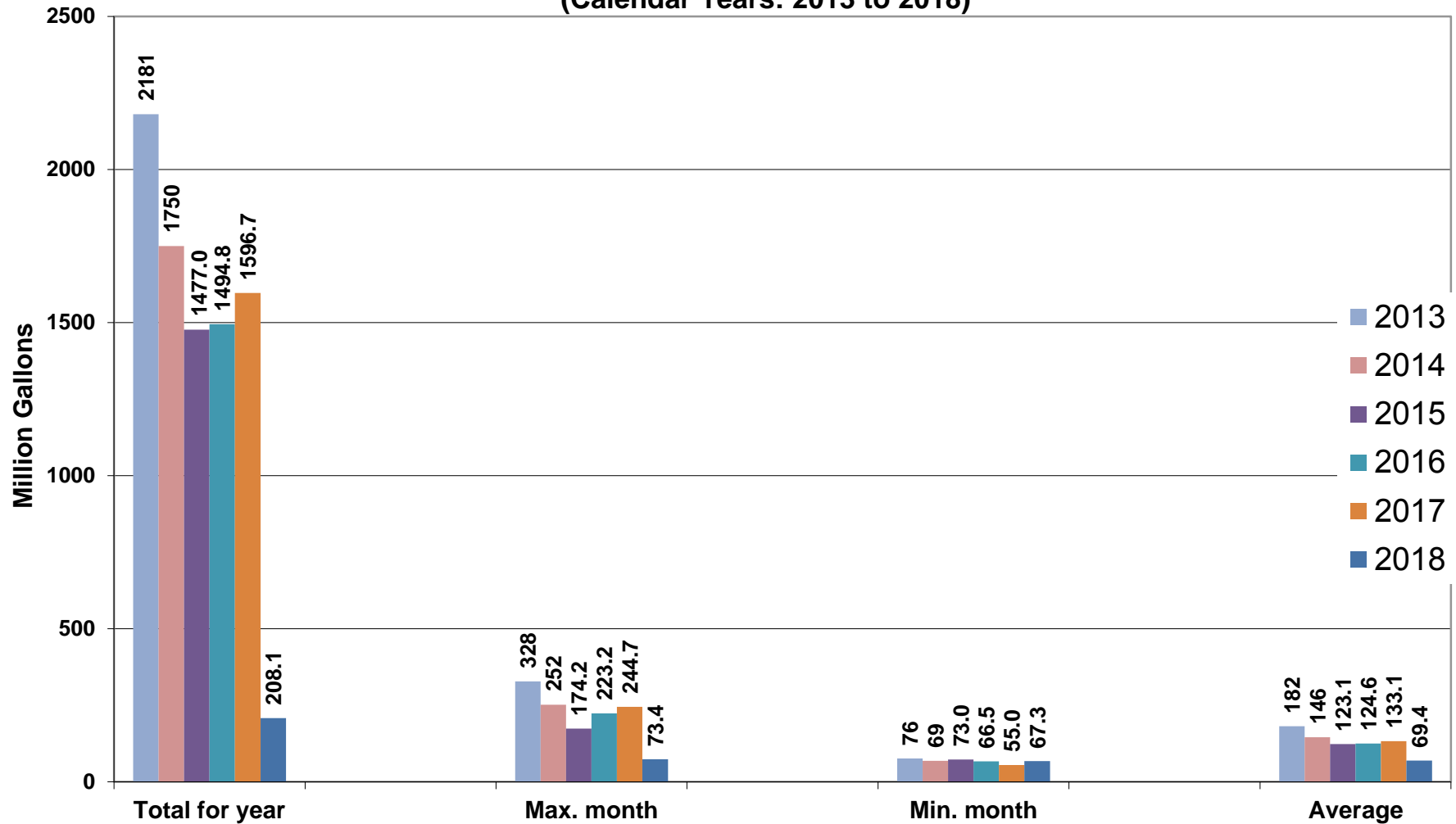
Effluent limit and dilution credits needed for dichlorobromomethane were based on assumption that DCBM would not be detected in the receiving water using a low level analytical method. Therefore, it is recommended that analysis of the receiving water be conducted using these methods to confirm this evaluation.



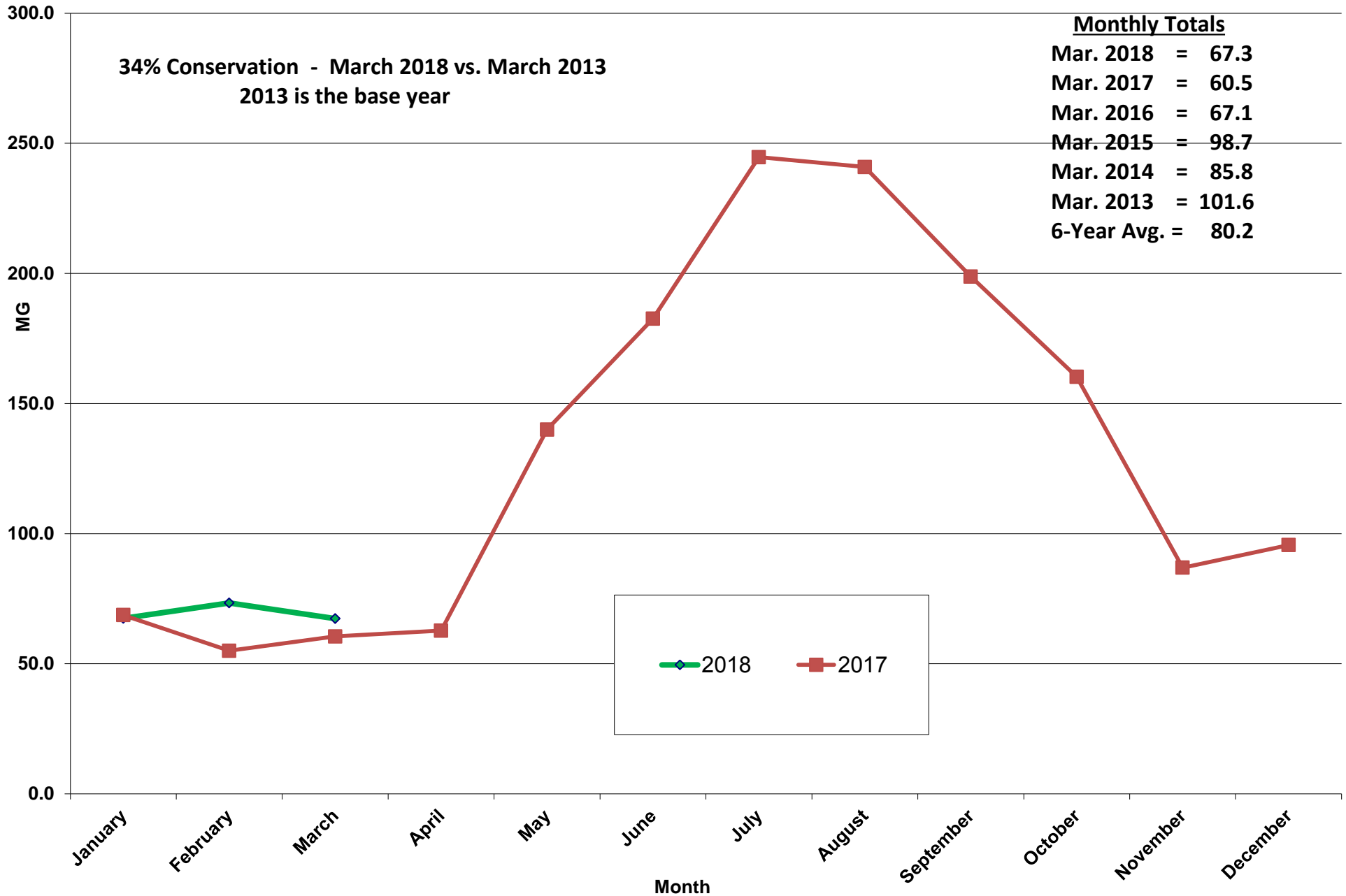
# Paradise Lake Water Levels - Calendar Years 2013 - 2018



**Water Treatment Plant Annual Production Comparisons  
Total; Monthly Max. & Min, and Average  
(Calendar Years: 2013 to 2018)**



# **Monthly Treatment Plant Production (Million Gallons - MG) (Comparison of Calendar Years 2018 to 2017)**



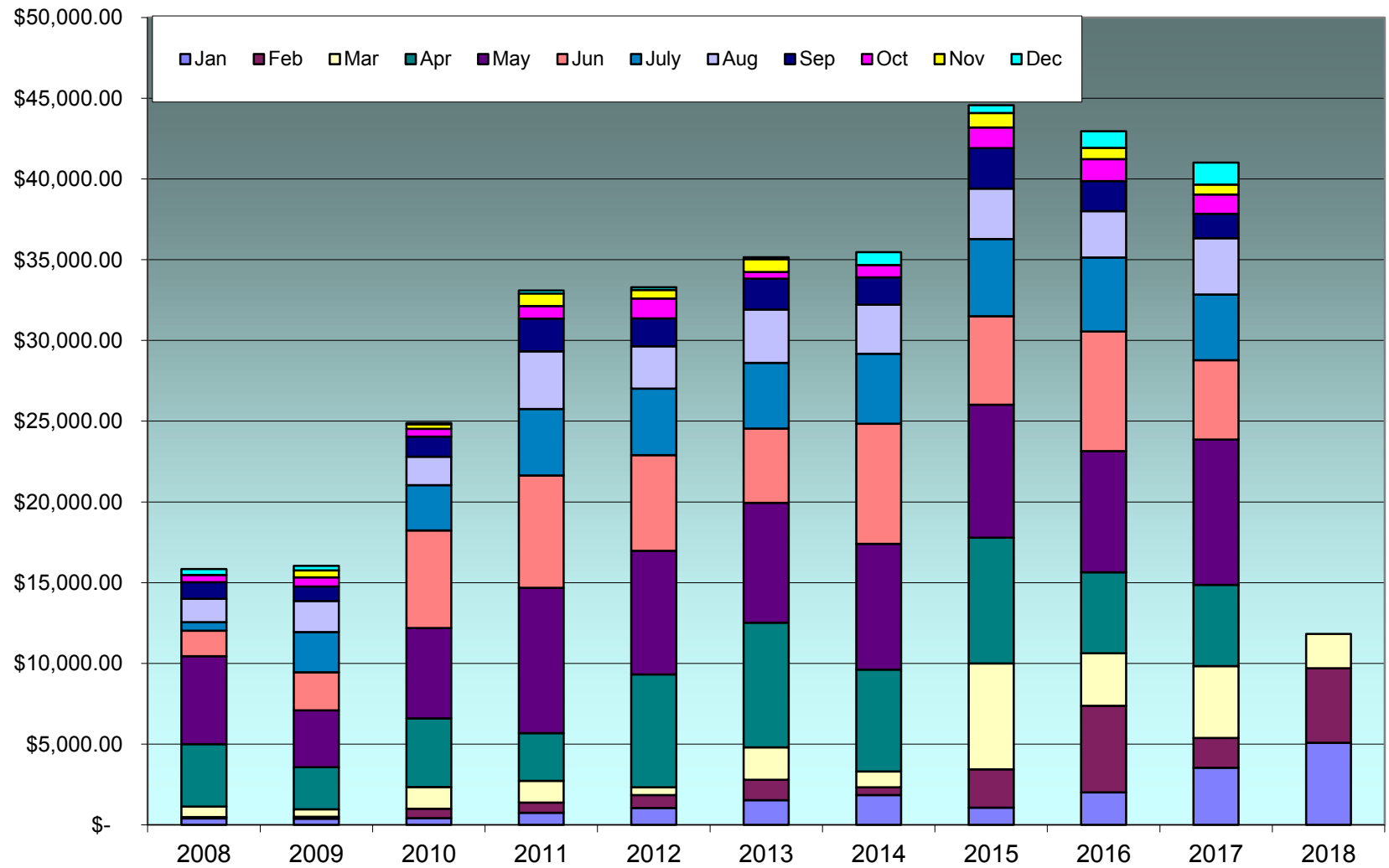
**Water Treatment Plant Annual Production Figures and 5 Year Averages (2013 - 2018)**  
(Million Gallons)

**Note: 2013 is the conservation comparison/base year**

	Years														6-Year Average
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2013-2018
January	113.2	113.7	130.8	116.1	105	91.4	91.6	105.2	82.5	111.2	82.3	71.1	68.7	67.4	80.5
February	101	104.7	106.9	112.3	88.4	79.2	85.2	85.3	76.1	68.8	73.0	66.5	55.0	73.4	68.8
March	129.3	110.7	150.2	147	108.9	100.2	84.6	79.3	101.6	85.8	98.7	67.1	60.5	67.3	80.2
April	132	112.5	172	205.9	170.5	96.9	99.8	94.2	145.1	107.7	106.7	84.5	62.7		
May	181.5	243.9	259.3	275	221	140.8	146	214.7	241.6	175.6	136.5	119.6	140.0		
June	250.7	328.5	336.4	321.6	256.7	239.7	183.3	262.7	276.2	230.3	148.1	169.7	182.6		
July	393.2	428.9	384.6	360.5	350.6	344.4	283.3	325.5	327.5	252.1	174.2	207.6	244.7		
August	412.3	391.5	379.6	363.8	338.6	332.4	307.6	331.2	309.9	220.7	171.8	223.2	240.9		
September	312.1	338.4	295.3	317.5	281.4	271.3	280.3	283.7	230.1	196.3	157.9	191.0	198.8		
October	234.9	253.2	156.9	218.1	178.1	185.1	152.2	198.7	170.7	137.3	138.3	115.2	160.3		
November	117.8	128.7	142	124.7	114.2	95.8	107.3	91.7	117.4	85.4	95.6	90.6	86.9		
December	114.3	112.9	115.5	120.7	101.7	105.3	105.1	81.2	102.3	78.5	93.9	88.7	95.6		
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5 Year Avg.
Total for year	2492	2668	2630	2683	2315	2083	1926	2153	2181	1750	1477.0	1494.8	1596.7	208.1	229.5
Max. month	412	429	385	364	351	344	308	331	328	252	174.2	223.2	244.7	73.4	80.5
Min. month	101	105	107	112	88	79	85	79	76	69	73.0	66.5	55.0	67.3	68.8
Average	208	222	219	224	193	174	161	179	182	146	123.1	124.6	133.1	69.4	76.5



## PID Lake Permit Comparison From 2008- 2018



**Paradise Irrigation District**  
**Lake Permit Sales**  
**January -December 2018**

	Recreation				Boating				Total
	Annual		Daily		Season		Daily		
January	62	\$ 935.00	269	\$ 808.30	71	\$ 2,840.00	50	\$ 500.00	\$ 5,083.30
February	69	\$ 1,035.00	206	\$ 619.00	65	\$ 2,580.00	38	\$ 380.00	\$ 4,614.00
March	22	\$ 335.00	198	\$ 594.16	26	\$ 1,020.00	18	\$ 180.00	\$ 2,129.16
April	0		0		0		0		\$ -
May	0		0		0		0		\$ -
June	0		0		0		0		\$ -
July	0		0		0		0		\$ -
August	0		0		0		0		\$ -
September	0		0		0		0		\$ -
October	0		0		0		0		\$ -
November	0		0		0		0		\$ -
December	0		0		0		0		\$ -
Totals	154	\$ 2,305.00	674	\$ 2,021.46	161	\$ 6,440.00	106	\$ 1,060.00	\$ 11,826.46

## **ENGINEERING REPORT**

March 2018

### **Activities This Month**

This month engineering staff completed water rights reporting for the 2017 calendar year. Staff continued work on securing inundation studies for its two dams and the preparation of updated inundation maps. Staff continued work on the condition assessments for the spillways at Magalia Dam and Paradise Dam. Staff also assisted with the ongoing work on Boat Launch #1 at Paradise Lake.

Staff continued efforts in support of the Town of Paradise Almond Street/Gap Closure project. This included preparing revised design drawings for the anticipated pipeline replacement projects on Black Olive Drive and Birch Street. Engineering staff began preparation of the 2017 Water Loss Audit.

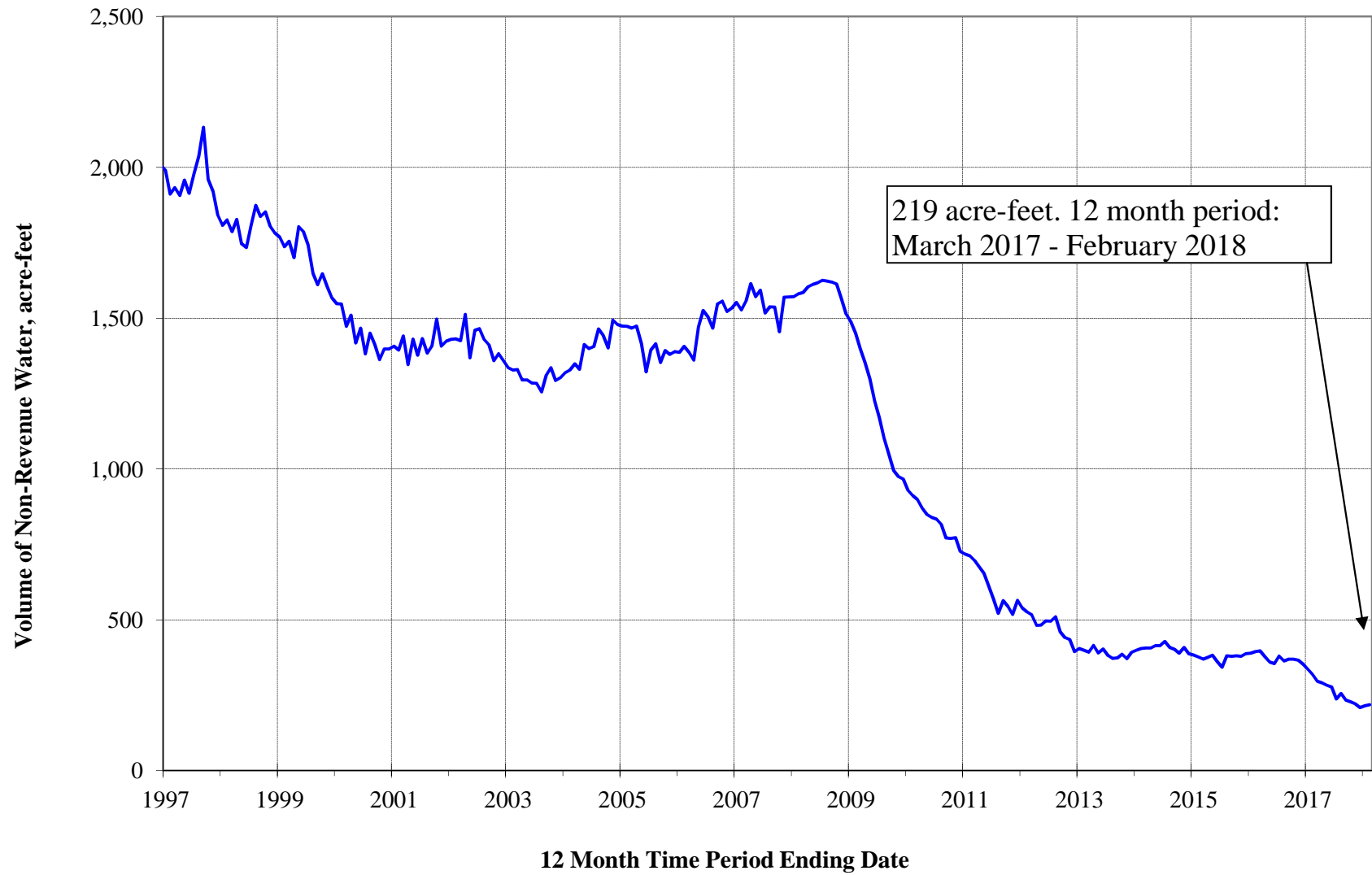
Staff prepared an easement document for Gradley Lane in support of the Crestview Drive/Crestwood Drive water main replacement project (see consent agenda). Engineering staff also continued work on the water rights measurement and reporting requirements, including acquiring components for an instrumentation upgrade of the water level measuring device at Magalia Reservoir. Treatment Plant staff installed the new level sensor and it is now operational.

Engineering staff continued work on the Reservoir B expansion project. Staff also continued work on the NPDES permit renewal and water recycling project. Staff reviewed draft contract documents for the tank recoating and repair project. Engineering staff also assisted with the Information Technology policy review. Staff continued work on the solar interconnection agreement in order to 'grandfather' the Time of Use rate structure.

### **Summary of Development Review and Other Activities**

Water Service Requirements Review Requests	3
New/revised projects reviewed in Project Evaluation Committee (TOP)	2
Review and direction of miscellaneous ongoing projects	3
Meter Sizing Audits (total to date)	61
Meter Size Reductions (total to date)	38

**Non-Revenue Water**  
**Production Minus Metered Sales**  
**12 Month Cumulative Time Intervals**



# Information Technology Report

## PID Website

Top 10 Pages - March 1 through March 31, 2018

<input type="checkbox"/>	Page Title ?	Pageviews ? ↓
		<b>5,422</b> % of Total: 100.00% (5,422)
<input type="checkbox"/>	1. <a href="#">Pidwater.com - Paradise Irrigation District - Water Utility for Paradise, California - Paradise Irrigation District</a>	<b>2,495</b> (46.02%)
<input type="checkbox"/>	2. <a href="#">PID Reservoir Levels: Paradise Lake and Magalia Reservoir - Paradise Irrigation District</a>	<b>473</b> (8.72%)
<input type="checkbox"/>	3. <a href="#">Payment Options for Paradise Irrigation District - Paradise Irrigation District</a>	<b>453</b> (8.35%)
<input type="checkbox"/>	4. <a href="#">Flushing - Paradise Irrigation District</a>	<b>408</b> (7.52%)
<input type="checkbox"/>	5. <a href="#">Search or browse PID documents - Paradise Irrigation District</a>	<b>250</b> (4.61%)
<input type="checkbox"/>	6. <a href="#">Search - Paradise Irrigation District</a>	<b>138</b> (2.55%)
<input type="checkbox"/>	7. <a href="#">Careers at PID - Paradise Irrigation District</a>	<b>99</b> (1.83%)
<input type="checkbox"/>	8. <a href="#">Contact PID - Paradise Irrigation District</a>	<b>84</b> (1.55%)
<input type="checkbox"/>	9. <a href="#">Redirect - Paradise Irrigation District</a>	<b>78</b> (1.44%)
<input type="checkbox"/>	10. <a href="#">PID Board and Committee Meetings - Paradise Irrigation District</a>	<b>64</b> (1.18%)

## Reduction in Online Payment Fees

As promised, we have kept a close eye on our customer's online payment use so that we may request discounts from Tyler Technologies as more customers use the services. As of January 15, 2018 we successfully reduced our online payment fees by another 12% (in 2017 we reduced the fee by 20%). More than 11% of PID customers are routinely making their payments online. Tyler suggested they may have additional volume discounts available upon a 20% usage rate.

## February Regular Meeting on Facebook Live – Post Performance



**Paradise Irrigation District**

Watch PID's Regular Board Meeting from wherever you are on Facebook Livestream. The documents projected on the wall behind the board members may not "show" very well on the stream's imaging so please download the agenda and supporting documents here s...

02:52:14 · Uploaded on 03/21/2018 · View Permalink

### Performance for Your Post

← Audience and Engagement ▾

People Reached	145	>
Unique Viewers	72	>
Post Engagement	6	>
Video Engagement		>
Top Audience	--	>
Top Location	--	>

## Security Policy Update

I am continuing to work with PID management staff to revise the update to PID's security policy.

## March software subscriptions

1 - Adobe Standard DC @ \$12.99	= \$12.99
1 - Adobe Pro DC @ \$14.99	= \$14.99
1 - Creative Cloud Photo Plan @ \$19.99	= \$19.99
11 – Office 365 ProPlus @ \$9.00	= \$99.00

**Total March: = \$146.97**

We increased the Office 365 ProPlus plan to 12 subscriptions. The first billing will occur in mid-April.

Mickey Rich  
Information Systems Manager  
April 2018

## MONTHLY BILLING REPORT-MARCH 2018

### PARADISE IRRIGATION DISTRICT

	<u>Routes 1-50</u>		<u>Routes 1-50</u>		<u>RT 1-50</u>		<u>RT 1-50</u>					
	<u>Mar-18</u>		<u>Mar-17</u>	Variance	<u>Feb-18</u>	<u>Feb-17</u>	Variance					
Service Charge Billed	\$	436,121.50	\$	371,951.59	\$	64,169.91	\$	436,352.87	\$	373,107.10	\$	63,245.77
Consump. Billed	\$	140,347.63	\$	105,730.89	\$	34,616.74	\$	120,299.91	\$	120,590.31	\$	(290.40)
<b>SERVICE FEES</b>	\$	9,535.00	\$	4,448.68	\$	5,086.32	\$	11,072.93	\$	10,445.09	\$	627.84
<b>Total Current Billing</b>	\$	586,004.13	\$	482,131.16	\$	103,872.97	\$	567,725.71	\$	504,142.50	\$	63,583.21
Past Due Billed	\$	76,490.10	\$	65,968.92	\$	10,521.18	\$	69,436.46	\$	83,364.52	\$	(13,928.06)
TOP-PFD-Hydrant	\$	10,336.36	\$	10,316.39	\$	19.97	\$	10,338.16	\$	10,314.81	\$	23.35
<b>Total Accounts Billed</b>		10,597										
<b>Total A/R All Routes 3/31/18 \$419,310.87</b>												

### WATER USAGE

	<u>Mar-18</u>	<u>Mar-17</u>	<u>Variance</u>	<u>Feb-18</u>	<u>Feb-17</u>	<u>Variance</u>
Water Used (Cf)	8,896,400	6,594,900	2,301,500	7,557,600	7,530,300	27,300
Water Used (AF)	204	151	53	173	173	1

### **TOTAL CONNECTIONS AS OF Mar-18**

Active Meters in Service	10,237
Sealed Meters in Service	348
<u>Total Meters</u>	<u>10,585</u>

### **DEL ORO WATER DISTRICT**

#### LIME SADDLE

Date	3/01/18 TO 03/31/18	01/01/18 TO 03/31/18
Acre Feet	3.64	3.73

#### PARADISE PINES/MAGALIA

Date	3/01/18 TO 03/31/18	01/01/18 TO 03/31/18
Acre Feet	0.00	19.65

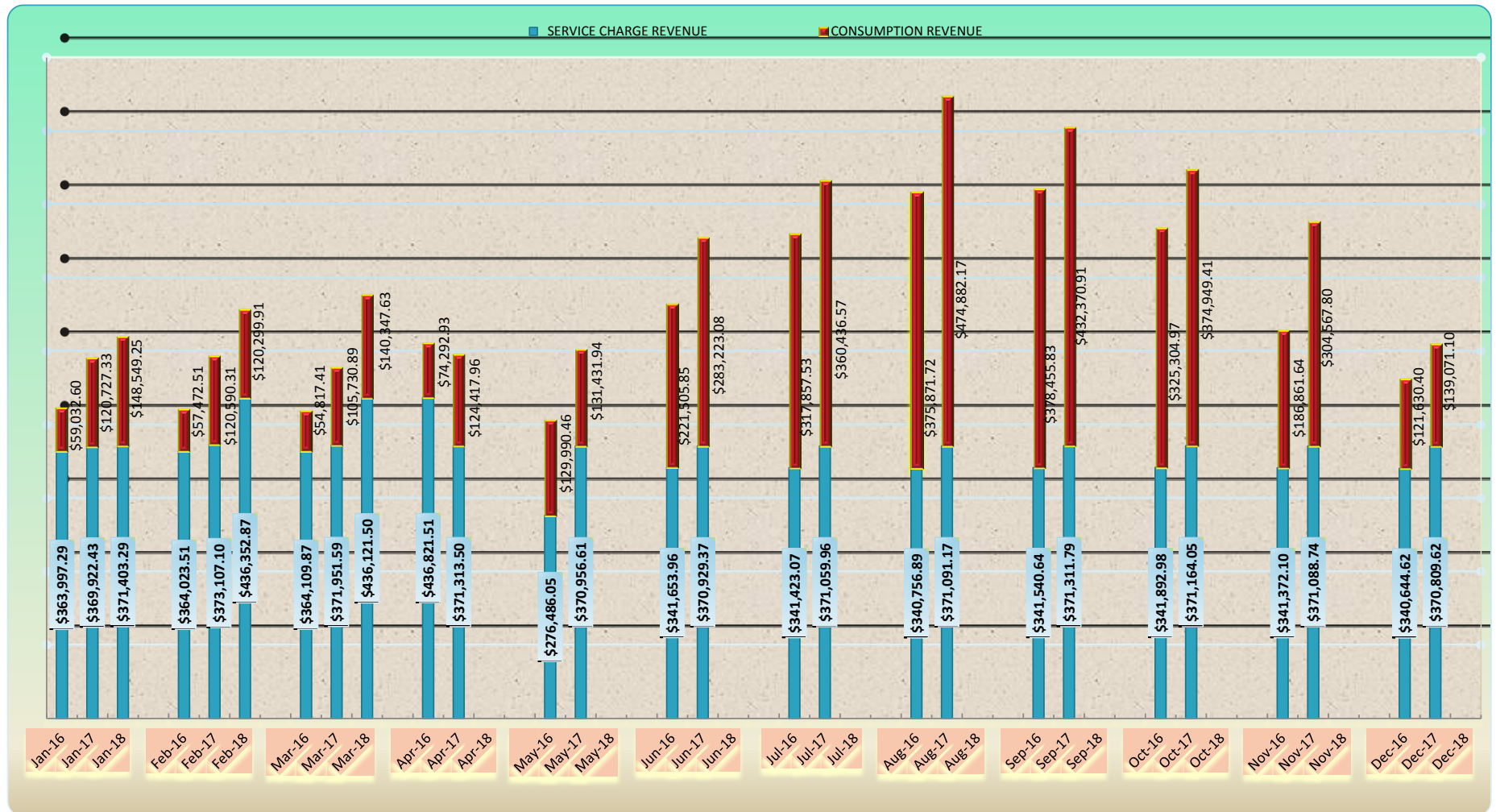
**TOTAL DEL ORO WATER USAGE**                      3.64                      23.38                      ACRE FEET

*LAURA CAPRA*

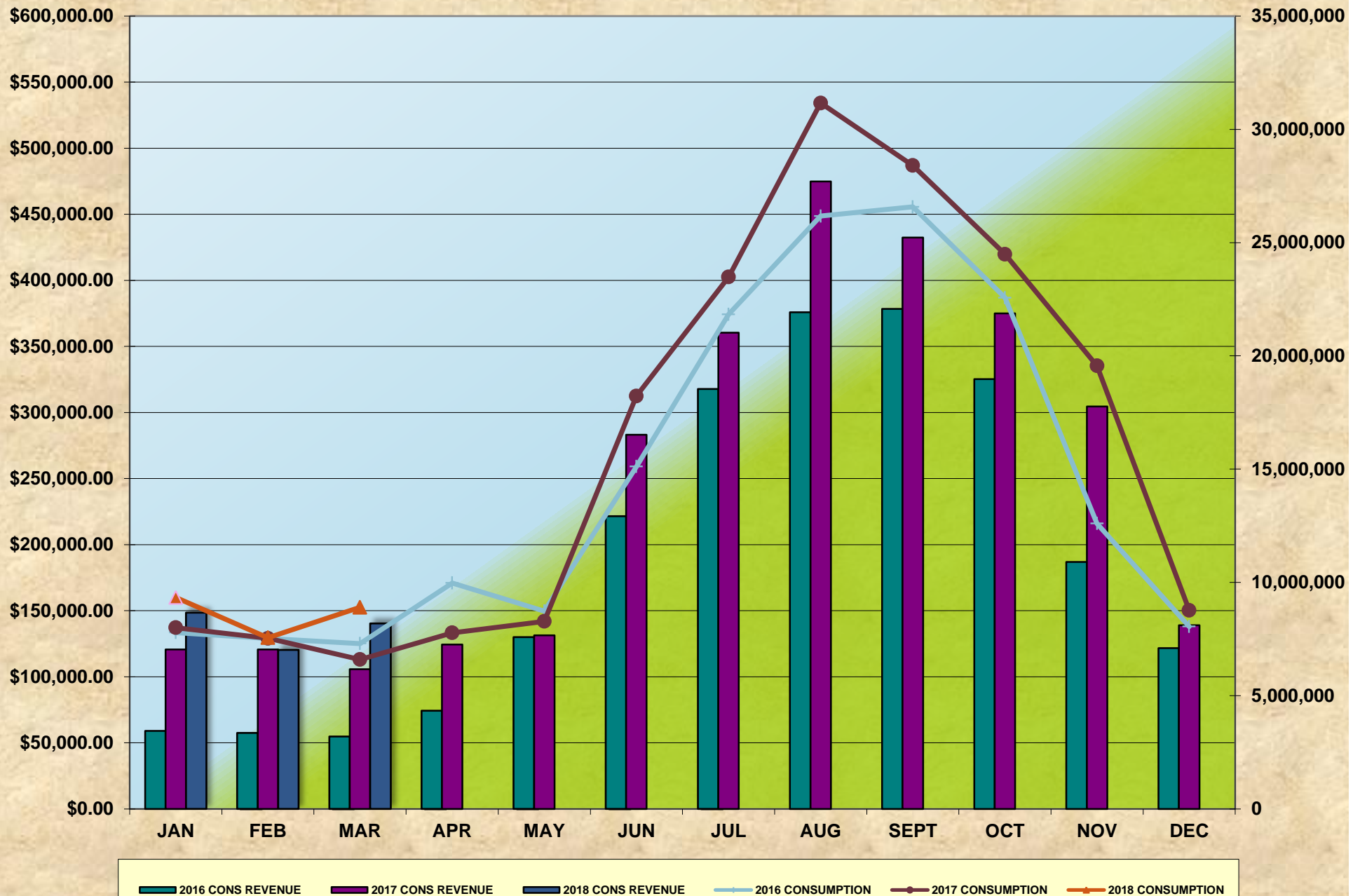
Laura Capra-Utility Billing Technician

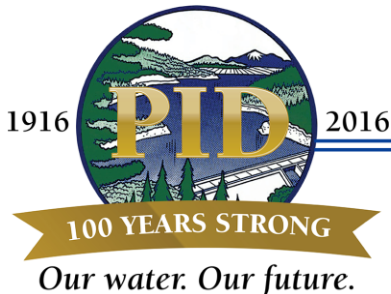


# SERVICE CHARGE REVENUE AND CONSUMPTION REVENUE



# WATER CONSUMPTION AND REVENUE 2016 THRU 2018





## PARADISE IRRIGATION DISTRICT

6332 Clark Road, Paradise CA 95969 | Phone (530)877-4971 | Fax (530)876-0483

*"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."*

*Please consider how this agenda item relates to our mission.*

**TO: Board of Directors**

**FROM: Kevin Phillips, Interim District Manager**

**DATE: April 13, 2018**

**RE: District Manager's Report**

### Water Rights

The District met with the Water Board staff on September 7<sup>th</sup> to discuss the District's water right applications and permit extension. Staff will be working with our water rights engineer and environmental engineer to restart this process.

The District is working with the Water Board staff to have our alternative compliance method approved to meet the State standards.

Paula Whealen from Wagner and Bonsignore, attended the February Board meeting to introduce herself and provide a water rights 101 presentation.

The District selected De Novo Group on April 26<sup>th</sup>, 2011 to prepare the EIR for the water rights extension. The contract also included the performance of the environmental studies. The total contract was for \$306,430.00, and the District has paid \$211,218.74 on this contract. The majority of the environmental studies have been completed, but due to the amount of time that has passed, the District may have to do additional studies. The District has also changed the project, because we have decided to go to license on permit 271 instead of asking for an extension.

### North Lake Boat Launch Land Acquisition

The District purchased 3 acres of land next to boat launch one for \$58,055.26. We are working with the Department of Boating and Waterways to come to a letter agreement to allow the District to operate the lake without some of the restrictions listed in the contract. We are in discussion with Sierra Pacific Industries about acquiring property adjacent to our current boat launch property. We met with the County on March 6<sup>th</sup> to discuss the 3 acre parcel purchased for the boat launch. The county assured us that because we are a public agency, we are exempt from the Map Act. Therefore, there is no need for the District to purchase additional land to make the parcel conform with the Map Act.

### Process Water Recycle Project

The District hired Water Works Engineering to work with the Regional Board to get the District's NPDES permit renewed. The District had a kickoff meeting on Nov 8<sup>th</sup> with Water Works Engineering and Larry Walker Engineering. The Water Board adopted the 2 year extension of the Time Schedule Order on Dec 8<sup>th</sup> for the District's NPDES permit. We had a meeting on February 13<sup>th</sup> & March 29<sup>th</sup> with Larry Walker and Water Works to discuss the preliminary research for the mixing zone study and dilution credit. The District has a meeting scheduled with the Regional Board on April 26<sup>th</sup> to kick off the renewal of the NPDES permit.

### B Reservoir Design Project

The District has been approved for an \$800,000 SRF loan to design the B Reservoir. The District awarded the contract to Water Works Engineering during the May Board Meeting and approved the change order at the September Board meeting. The District had a workshop to approve the preliminary design report. The preliminary design was estimated to be \$11,000,000. We are working with SRF to increase our loan approval amount to cover this estimated cost. During our March 6<sup>th</sup> meeting with the County, we discussed the right-of-way issues associated with our A zone pipeline project. The county is looking into the issue to see if they can help us find the rightful owner of the Skyway. The District is going to pursue condemnation of the right-of-way and easement of the Skyway alignment for the pipeline. The District will need to hire a title consultant to research the ownership issues associated with the properties in question.

### Spillway Investigation

The District received a letter on May 17<sup>th</sup> ordering the District to conduct an extensive evaluation of both spillways. We requested an extension of the timeline from July 15<sup>th</sup> to September 1<sup>st</sup> to submit a work plan to the Department of Safety of Dams. We met with the Division of Safety of Dams on July 6<sup>th</sup>. The District submitted our work plan on both spillways on September 7<sup>th</sup>. The District hired Genterra Engineering to complete the Phase one work plan. Genterra started field work on Nov 6<sup>th</sup> and expect the work to continue through February 2018. The District cleared trees and brush below the Magalia Dam before the Nov 1<sup>st</sup> deadline. The District met with Genterra Engineering on Apr 3<sup>rd</sup> to discuss the draft Phase one reports for Paradise Spillway and Magalia Spillway. We are planning to hold a webcast with Genterra's specialist to ask specific questions associated with the draft report.

### PG&E Miocene Canal

The District has issued a letter of interest to PG&E. The District continues to receive interest from private parties to become partners in the project. The District met with a group that is interested in partnering with the District. We signed a confidentiality letter with PG&E and are receiving more information on the project. The District had a site visit of the Miocene Assets scheduled for March 1<sup>st</sup>, but the tour was postponed due to weather.

### District Manager Recruitment

The District is working with Koff and Associates (K&A) to recruit for the District Manager position. The Board met with Richard O'Donnell to come up with an updated job description, salary range and job brochure. The brochure was issued at the end of November. The deadline for applicants to apply was Jan 16. K&A completed initial pre-screening interviews and presented an updated Applicant Materials Binder in March for the Board to review and select candidates to invite for interviews. Initial interviews were conducted with seven candidates on April 12, and direction was given to K&A with regard to candidates to be invited for a second interview. Interviews are planned in May.



## PARADISE IRRIGATION DISTRICT

---

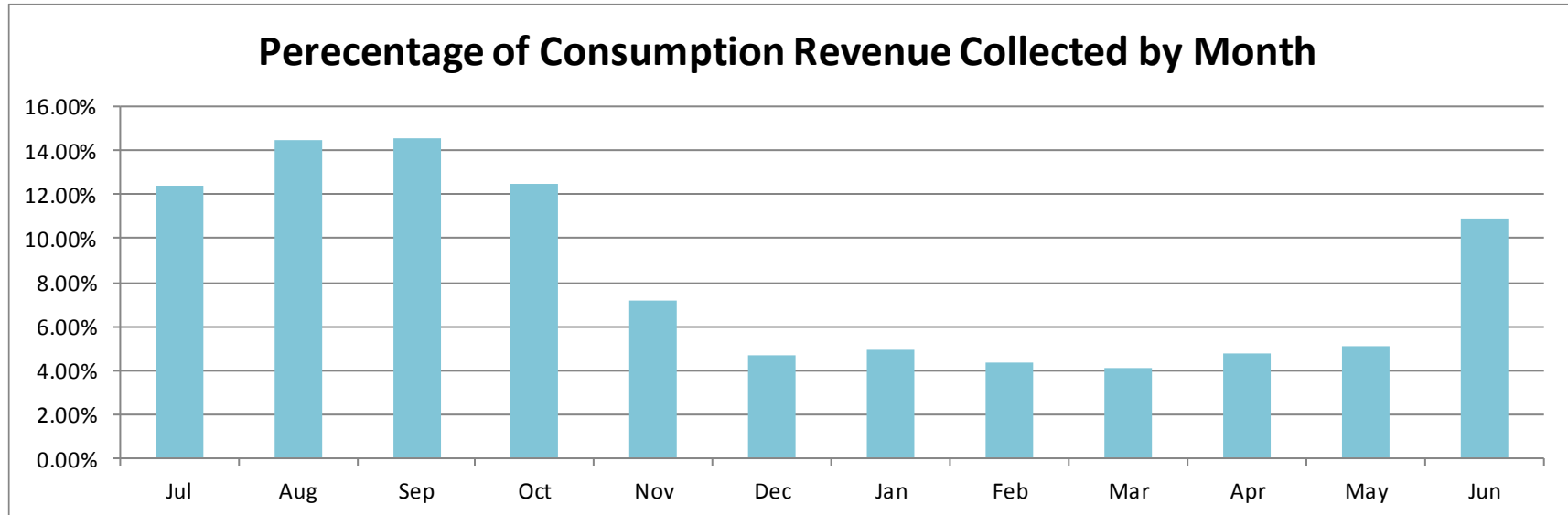
**TO:** Board of Directors  
**FROM:** Kevin Phillips  
**DATE:** 4/10/2018  
**RE:** Treasurer's Memo

1. **Cash Position** – At 3/31/2018 the Districts estimated cash position was \$3.067 million
  - a. Of this \$3.067 million, \$1.413 million is restricted and \$1.654 is unrestricted
    - i. \$571,934 is with US Bank Trustee for the final payment of the 2009 COP's
    - ii. \$495,068 is collected for Paradise Fire Department Hydrant Fund
    - iii. \$345,826 is set aside for accrued vacation and sick leave.
2. **Debt Service Analysis** – Through 3/31/2018 the District has incurred \$988,353 of debt service payments of the budgeted \$992,208. This Districts total outstanding debt is \$7.023 million.
3. **Operational Issues**
  - a. 2017 – 2018 Financial Overview
    - i. From an operational standpoint, service fee is right in-line with budget. Consumption revenue is right on budget. The operational expense is right in line with budget.
  - b. Highlights from the Fiscal Year 2017 – 18
    - i. District customers currently have online access to their accounts and water usage through Aquahawk.
    - ii. The District refinanced its 2009 COP's
    - iii. The District has secured funding from SRF for the B-Res design
    - iv. The annual audit is complete
    - v. Retirement Plan audit is complete
    - vi. Audit RFP had been issued
  - c. Training
    - i. I will be attending the Annual GFOA conference in St. Louis, MO from May 5<sup>th</sup> through 10<sup>th</sup>.

### Consumption Revenue vs Draft Budget Consumption Revenue

Consumption Variations													
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Total
2017/18 Actual	359,667.07	474,793.44	432,333.28	373,575.65	303,595.80	137,963.02	148,321.64	119,874.00	140,302.00	134,706.98	144,040.26	310,181.19	3,079,354.33
2017/18 Budget	351,072.72	409,581.48	413,669.58	354,827.91	204,263.67	133,216.22	138,721.49	124,180.61	115,137.89	134,706.98	144,040.26	310,181.19	2,833,600.00
2016/17 Actual	320,953.08	374,442.19	378,179.56	324,386.10	186,739.24	121,787.18	126,820.13	113,526.76	105,259.85	123,150.04	131,682.59	283,569.76	2,590,496.48
Average	12.39%	14.45%	14.60%	12.52%	7.21%	4.70%	4.90%	4.38%	4.06%	4.75%	5.08%	10.95%	

2017/18 Actual	\$ 3,079,354
2017/18 Budget	\$ 2,833,600
2016/17 Actual	\$ 2,590,496



***Paradise Irrigation District***  
**Detail of Disbursements Report**  
Check Numbers 51676 - 51776

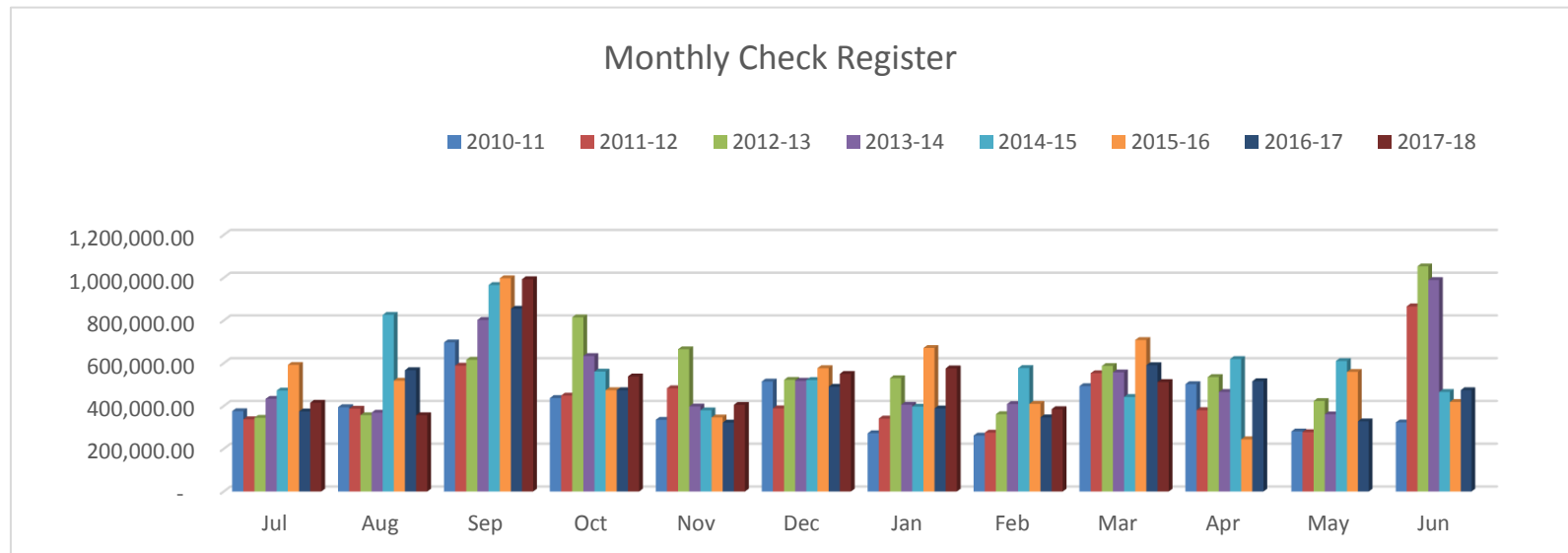
Check#	Date	Vendor/Employee	Amount	% of Total Monthly Disbursements
51719	03/07/2018	BB&T Governmental Finance	75,192.03	14.69%
51677	03/07/2018	ACWA/JPIA	70,814.93	13.83%
51723	03/09/2018	Genterra Consultants, Inc.	24,708.75	4.83%
51770	03/28/2018	Tyler Technologies, Inc.	21,541.73	4.21%
51774	03/28/2018	Water Works Engineers	21,055.89	4.11%
51729	03/28/2018	ACWA/JPIA	19,323.58	3.77%
DFT0002716	03/09/2018	Health Equity, Inc.	18,375.00	3.59%
1187	03/09/2018	FTJ CORP ACCT	18,354.53	3.59%
1189	03/26/2018	ICMA Retirement Trust-457	15,344.73	3.00%
51776	03/28/2018	Zenner USA	14,208.78	2.78%
51747	03/28/2018	Ferguson Enterprises, Inc	13,211.76	2.58%
DFT0002718	03/12/2018	Internal Revenue Service	12,953.56	2.53%
DFT0002733	03/26/2018	Internal Revenue Service	12,823.80	2.50%
DFT0002670	03/12/2018	Internal Revenue Service	12,763.50	2.49%
51754	03/28/2018	Koff & Associates	12,500.00	2.44%
DFT0002719	03/12/2018	Internal Revenue Service	11,328.75	2.21%
51756	03/28/2018	Minasian, Meith, Soares, Sexton & Cooper, LLP	11,094.82	2.17%
DFT0002671	03/12/2018	Internal Revenue Service	10,399.33	2.03%
DFT0002734	03/26/2018	Internal Revenue Service	9,919.13	1.94%
51696	03/07/2018	Infosend	6,106.66	1.19%
51695	03/07/2018	Hunt & Sons, Inc.	4,397.82	0.86%
51737	03/28/2018	Cedar Creek Publishing	4,349.98	0.85%
DFT0002717	03/12/2018	Employment Development Dept.	4,308.93	0.84%
51684	03/07/2018	Butte LAFCO	4,200.00	0.82%
DFT0002669	03/12/2018	Employment Development Dept.	4,042.83	0.79%
51773	03/28/2018	Wagner & Bonsignore	3,927.00	0.77%
DFT0002732	03/26/2018	Employment Development Dept.	3,754.23	0.73%
51750	03/28/2018	Hunt & Sons, Inc.	3,406.47	0.67%
51768	03/28/2018	Tittle & Company, LLP	3,400.00	0.66%
DFT0002721	03/12/2018	Internal Revenue Service	3,029.50	0.59%
DFT0002736	03/26/2018	Internal Revenue Service	2,999.12	0.59%
DFT0002673	03/12/2018	Internal Revenue Service	2,985.00	0.58%
51736	03/28/2018	Butte LAFCO	2,900.00	0.57%
51749	03/28/2018	Harper & Associates Engineering, Inc.	2,875.00	0.56%
51741	03/28/2018	Department of Forestry and Fire Protection	2,740.80	0.54%
1188	03/26/2018	ICMA Retirement Trust-401	2,715.98	0.53%
51744	03/28/2018	Employment Development Dept.	2,105.87	0.41%
51712	03/07/2018	Thomas Ace Hardware	1,858.14	0.36%
51724	03/15/2018	Franklin Construction	1,750.00	0.34%
DFT0002715	03/09/2018	Health Equity, Inc.	1,679.22	0.33%
51691	03/07/2018	Driveline Specialists	1,662.95	0.32%
51740	03/28/2018	Commercial Tire Warehouse	1,439.29	0.28%
51693	03/07/2018	FGL Environmental	1,356.00	0.26%
51732	03/28/2018	American Conservation & Billing Solutions	1,320.00	0.26%
51679	03/07/2018	Aramark Uniform Services	1,253.66	0.24%
51727	03/26/2018	I.B.E.W. Local Union 1245	1,118.75	0.22%
51722	03/09/2018	I.B.E.W. Local Union 1245	1,118.75	0.22%
51689	03/07/2018	Cranmer Engineering, Inc.	1,092.00	0.21%
51757	03/28/2018	National Meters and Automation	1,066.36	0.21%
DFT0002720	03/12/2018	Employment Development Dept.	1,065.84	0.21%
DFT0002735	03/26/2018	Employment Development Dept.	1,045.52	0.20%
DFT0002672	03/12/2018	Employment Development Dept.	1,041.77	0.20%
51708	03/07/2018	Pollard Water	950.43	0.19%
51772	03/28/2018	VistaNet inc.	935.00	0.18%
51734	03/28/2018	AT&T	903.15	0.18%
51703	03/07/2018	O'Reilly Auto Parts	860.01	0.17%
51709	03/07/2018	Standard Insurance Company	831.20	0.16%
DFT0002668	03/09/2018	Health Equity, Inc.	804.24	0.16%
51759	03/28/2018	Office Depot	781.14	0.15%
51682	03/07/2018	BSK Associates	715.00	0.14%
DFT0002731	03/23/2018	Health Equity, Inc.	697.57	0.14%
51690	03/07/2018	Diesel Emissions Services	611.29	0.12%
51758	03/28/2018	Northern Recycling & Waste Svcs	558.79	0.11%
51716	03/07/2018	Verizon Wireless	522.57	0.10%
51728	03/28/2018	Access Information Protected	515.05	0.10%
51692	03/07/2018	Durham Pentz Truck Center	508.59	0.10%



51761	03/28/2018	O'Reilly Auto Parts	482.80	0.09%
51730	03/28/2018	Airgas NCN	454.00	0.09%
51706	03/07/2018	Peerless Bldg. Maintenance Inc.	450.00	0.09%
DFT0002730	03/23/2018	Aflac	439.62	0.09%
DFT0002714	03/09/2018	Aflac	439.62	0.09%
DFT0002667	03/09/2018	Aflac	439.62	0.09%
51681	03/07/2018	Boot Barn, Inc	375.00	0.07%
51769	03/28/2018	T-Mobile	355.49	0.07%
51678	03/07/2018	Airgas NCN	352.22	0.07%
51687	03/07/2018	Commercial Tire Warehouse	348.58	0.07%
51707	03/07/2018	Pitney Bowes Global Financial Services LLC	346.10	0.07%
51739	03/28/2018	Comcast	336.10	0.07%
51685	03/07/2018	Chico Immediate Care	330.00	0.06%
51765	03/28/2018	Riebes Auto Parts	318.84	0.06%
51711	03/07/2018	The UPS Store	314.18	0.06%
51697	03/07/2018	J C Nelson Supply Co.	278.00	0.05%
51698	03/07/2018	Norlab, Inc	269.50	0.05%
51686	03/07/2018	Comcast	242.47	0.05%
51752	03/28/2018	Inland Business Systems	230.82	0.05%
51700	03/07/2018	Office Depot	229.01	0.04%
51771	03/28/2018	USA Blue Book	227.68	0.04%
51726	03/26/2018	California State Disbursement Unit	225.23	0.04%
51721	03/09/2018	California State Disbursement Unit	225.23	0.04%
51753	03/28/2018	J C Nelson Supply Co.	224.66	0.04%
51731	03/28/2018	All Metals Supply, Inc	213.42	0.04%
51715	03/07/2018	Tyler Technologies, Inc.	200.00	0.04%
51701	03/07/2018	Oleum Supply Company	197.57	0.04%
51766	03/28/2018	Sabre Backflow, LLC.	191.09	0.04%
51725	03/26/2018	California State Disbursement Unit	179.53	0.04%
51720	03/09/2018	California State Disbursement Unit	179.53	0.04%
51702	03/07/2018	OnTrac	174.66	0.03%
51738	03/28/2018	Chico Immediate Care	165.00	0.03%
DFT0002738	03/26/2018	Internal Revenue Service	158.14	0.03%
51745	03/28/2018	Fastenal Co	157.22	0.03%
51717	03/07/2018	Wurth USA Inc.	135.34	0.03%
51688	03/07/2018	Consolidated Electrical Dist	130.44	0.03%
51694	03/07/2018	Foothill Mill & Lumber Co.	128.22	0.03%
51735	03/28/2018	Boot Barn, Inc	125.00	0.02%
51705	03/07/2018	Payless Building Supply	115.79	0.02%
51762	03/28/2018	Oroville Ford	102.06	0.02%
51710	03/07/2018	Stanley Convergent Security Solutions	100.38	0.02%
51755	03/28/2018	Meeks	81.82	0.02%
51751	03/28/2018	Infinisource Cobra Compliance	80.00	0.02%
51775	03/28/2018	Zee Service Company	76.72	0.01%
51767	03/28/2018	SWRCB	70.00	0.01%
1190	03/29/2018	Health Equity, Inc.	67.85	0.01%
51733	03/28/2018	AT&T	66.24	0.01%
51743	03/28/2018	Employee Relations	66.00	0.01%
51746	03/28/2018	Federal Express Corp.	64.30	0.01%
51763	03/28/2018	Paradise Post	63.64	0.01%
51742	03/28/2018	Dept of Fish & Game	62.83	0.01%
51718	03/07/2018	Zee Service Company	61.80	0.01%
DFT0002710	03/03/2018	Internal Revenue Service	50.12	0.01%
51680	03/07/2018	Batteries Plus Bulbs	47.17	0.01%
51748	03/28/2018	Fiserv Solutions, LLC	37.78	0.01%
51760	03/28/2018	OnTrac	37.36	0.01%
DFT0002740	03/26/2018	Internal Revenue Service	36.98	0.01%
51704	03/07/2018	Pape Machinery	35.53	0.01%
DFT0002729	03/23/2018	Aflac	34.11	0.01%
DFT0002713	03/09/2018	Aflac	34.11	0.01%
DFT0002666	03/09/2018	Aflac	34.11	0.01%
51699	03/07/2018	Northstate Aggregate, Inc.	22.90	0.00%
51764	03/28/2018	Pollard Water	19.86	0.00%
51676	03/07/2018	Ace Rentals	16.64	0.00%
DFT0002739	03/26/2018	Employment Development Dept.	12.75	0.00%
DFT0002711	03/03/2018	Internal Revenue Service	11.72	0.00%
51683	03/07/2018	Butte Co - Neal Rd Landfill	6.00	0.00%
DFT0002724	03/12/2018	Internal Revenue Service	5.16	0.00%
DFT0002725	03/12/2018	Internal Revenue Service	4.17	0.00%
DFT0002727	03/12/2018	Internal Revenue Service	1.20	0.00%
DFT0002722	03/09/2018	Health Equity, Inc.	(41.67)	-0.01%
			<u>511,977.43</u>	

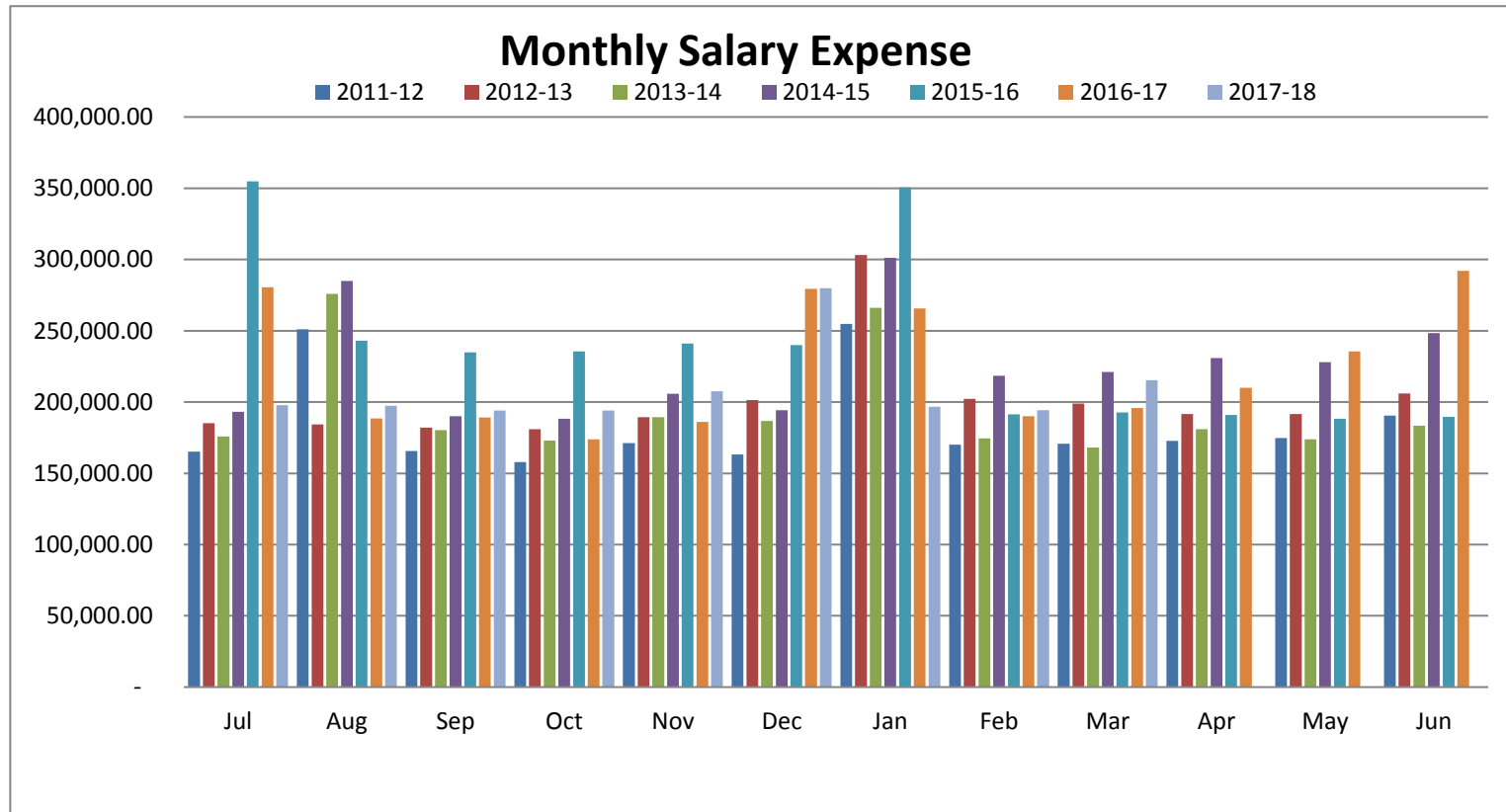
**Monthly Check Register Comparison  
3/31/2018**

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL
2010-11	376,057.07	394,478.03	697,440.23	437,353.30	335,561.35	514,446.61	272,650.38	261,657.93	492,956.90	502,246.31	281,128.16	323,018.20	4,888,994.47
2011-12	337,870.71	387,630.16	588,787.53	448,406.52	482,962.01	388,861.12	341,120.17	275,613.75	553,253.26	380,509.77	277,815.76	865,926.78	5,328,757.54
2012-13	344,902.72	357,171.01	616,334.99	814,682.57	665,449.92	522,446.13	530,039.20	361,726.18	587,020.27	535,336.13	423,280.91	1,053,235.12	6,811,625.15
2013-14	433,382.63	368,779.26	802,476.78	633,882.89	398,081.26	518,051.07	405,810.71	409,112.07	557,298.91	465,630.22	360,919.47	989,128.51	6,342,553.78
2014-15	472,241.69	826,124.72	966,091.32	560,795.81	379,837.95	521,506.16	396,986.91	577,478.70	442,160.59	619,540.73	610,653.38	465,638.98	6,839,056.94
2015-16	592,270.34	518,376.14	997,458.06	473,997.75	346,528.65	576,989.73	671,415.72	410,004.00	708,573.26	244,086.93	559,463.61	418,837.54	6,518,001.73
2016-17	374,512.89	567,413.19	854,757.17	474,138.96	322,472.57	489,838.05	388,492.74	346,722.08	590,867.07	515,955.92	328,302.60	474,140.20	5,727,613.44
2017-18	415,101.35	357,032.65	993,137.40	538,008.58	405,434.47	550,051.94	576,037.20	384,988.59	511,977.43				4,731,769.61



**Monthly Salary Comparison  
3/31/2018**

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL
2011-12	165,136.25	251,002.09	165,757.57	157,802.96	171,147.57	163,179.50	254,778.33	170,115.56	170,679.95	172,787.08	174,745.15	190,441.93	2,207,573.94
2012-13	185,072.59	184,306.21	182,018.66	180,895.38	189,387.15	201,260.69	303,226.80	202,306.76	198,816.09	191,593.62	191,627.75	205,919.75	2,416,431.45
2013-14	175,893.89	275,785.03	180,387.36	173,058.88	189,337.55	186,625.72	266,179.58	174,437.98	168,064.08	180,917.98	173,815.95	183,456.22	2,327,960.22
2014-15	193,163.74	285,030.59	190,010.10	188,299.20	205,851.25	194,253.80	301,223.31	218,392.65	221,128.80	230,754.19	228,058.15	248,263.98	2,704,429.76
2015-16	354,737.39	243,154.60	234,814.08	235,558.49	241,053.93	239,917.71	350,604.30	191,449.21	192,747.74	191,038.74	188,324.27	189,669.86	2,853,070.32
2016-17	280,454.85	188,538.79	189,139.80	173,827.85	186,096.84	279,396.42	265,613.11	190,001.12	195,818.18	209,985.90	235,516.05	292,141.64	2,686,530.55
2017-18	197,765.00	197,302.76	194,072.23	194,108.00	207,608.98	279,868.60	196,727.17	194,198.52	215,233.59				1,876,884.85





# Paradise Irrigation District

## Expense Approval Report By Vendor Name

Payment Dates 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01016 - Access Information Protected</b>					
03/28/2018	51728	Bulk Shredding - Office			515.05
<b>Vendor 01016 - Access Information Protected Total:</b>					<b>515.05</b>
<b>Vendor: 01014 - Ace Rentals</b>					
03/07/2018	51676	Misc. Supplies - TP			16.64
<b>Vendor 01014 - Ace Rentals Total:</b>					<b>16.64</b>
<b>Vendor: 01021 - ACWA/JPIA</b>					
03/28/2018	51729	Work Comp - 10/1/14 - 12/31/...			19,323.58
<b>Vendor 01021 - ACWA/JPIA Total:</b>					<b>19,323.58</b>
<b>Vendor: 01022 - ACWA/JPIA</b>					
03/07/2018	51677	Health - Dental			3,230.87
03/07/2018	51677	Health - Life/AD&D			782.70
03/07/2018	51677	Health - EAP			94.00
03/07/2018	51677	Health - Medical			65,919.17
03/07/2018	51677	Health - Vision			788.19
<b>Vendor 01022 - ACWA/JPIA Total:</b>					<b>70,814.93</b>
<b>Vendor: 02957 - Aflac</b>					
03/09/2018	DFT0002666	Montly Invoices			34.11
03/09/2018	DFT0002667	Montly Aflac Invoice			439.62
03/09/2018	DFT0002713	Montly Invoices			34.11
03/09/2018	DFT0002714	Montly Aflac Invoice			439.62
03/23/2018	DFT0002729	Montly Invoices			34.11
03/23/2018	DFT0002730	Montly Aflac Invoice			439.62
<b>Vendor 02957 - Aflac Total:</b>					<b>1,421.19</b>
<b>Vendor: 01032 - Airgas NCN</b>					
03/07/2018	51678	Welding Supplies - Shop			137.88
03/07/2018	51678	Welding Supplies - Shop			217.34
03/07/2018	51678	Welding Supplies - Shop			214.34
03/28/2018	51730	Welding Supplies - Shop			454.00
03/07/2018	51678	Welding Supplies - Shop			-217.34
<b>Vendor 01032 - Airgas NCN Total:</b>					<b>806.22</b>
<b>Vendor: 01041 - All Metals Supply, Inc</b>					
03/28/2018	51731	steel for shop			213.42
<b>Vendor 01041 - All Metals Supply, Inc Total:</b>					<b>213.42</b>
<b>Vendor: 02847 - American Conservation &amp; Billing Solutions</b>					
03/28/2018	51732	AquaHawk Alerting - 4/18			1,320.00
<b>Vendor 02847 - American Conservation &amp; Billing Solutions Total:</b>					<b>1,320.00</b>
<b>Vendor: 01068 - Aramark Uniform Services</b>					
03/07/2018	51679	Misc. Supplies - TP			2.70
03/07/2018	51679	Misc. Supplies - TP			-2.70
03/07/2018	51679	Janitorial Supplies - TP			9.00
03/07/2018	51679	Uniforms - TP			81.24
03/07/2018	51679	Janitorial Supplies - TP			9.00
03/07/2018	51679	Uniforms - TP			81.24
03/07/2018	51679	Janitorial Supplies - TP			-9.00
03/07/2018	51679	Uniforms - TP			-81.24
03/07/2018	51679	Uniforms - Shop			302.45
03/07/2018	51679	Janitorial Supplies - Shop			15.00
03/07/2018	51679	Uniforms - TP			57.21
03/07/2018	51679	Uniforms - Shop			179.95
03/07/2018	51679	Janitorial Supplies - Shop			15.00
03/07/2018	51679	Janitorial Supplies - TP			7.50

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/07/2018	51679	Uniforms - TP			66.82
03/07/2018	51679	Uniforms - Shop			274.93
03/07/2018	51679	Janitorial Supplies - Shop			15.00
03/07/2018	51679	Uniforms - TP			57.21
03/07/2018	51679	Uniforms - Shop			157.35
03/07/2018	51679	Janitorial Supplies - Shop			15.00
<b>Vendor 01068 - Aramark Uniform Services Total:</b>					<b>1,253.66</b>
<b>Vendor: 01082 - AT&amp;T</b>					
03/28/2018	51734	Lake			19.10
03/28/2018	51734	DS1 Service IntraLATA			82.57
03/28/2018	51734	Phone Line - TP			76.64
03/28/2018	51734	Shop Fax			20.38
03/28/2018	51734	B Res Alarm			20.37
03/28/2018	51734	Elliott & Clark			165.13
03/28/2018	51734	DS1 Service IntraLATA			82.56
03/28/2018	51734	Office			356.83
03/28/2018	51734	Computer Room			20.37
03/28/2018	51734	Office Fax			59.20
<b>Vendor 01082 - AT&amp;T Total:</b>					<b>903.15</b>
<b>Vendor: 01083 - AT&amp;T</b>					
03/28/2018	51733	B Res			33.12
03/28/2018	51733	A Tank Alarm			33.12
<b>Vendor 01083 - AT&amp;T Total:</b>					<b>66.24</b>
<b>Vendor: 01116 - Batteries Plus Bulbs</b>					
03/07/2018	51680	Repairs - Emer. Lighting - Batter...			47.17
<b>Vendor 01116 - Batteries Plus Bulbs Total:</b>					<b>47.17</b>
<b>Vendor: 03016 - BB&amp;T Governmental Finance</b>					
03/07/2018	51719	Interest Pymt.			21,292.03
03/07/2018	51719	Principal Pymt.			53,900.00
<b>Vendor 03016 - BB&amp;T Governmental Finance Total:</b>					<b>75,192.03</b>
<b>Vendor: 02870 - Boot Barn, Inc</b>					
03/07/2018	51681	Safety Supplies - Shop LC			125.00
03/07/2018	51681	Safety Supplies - JP			125.00
03/07/2018	51681	Safety Supplies - Shop PG			125.00
03/28/2018	51735	Safety Supplies - Shop JH			125.00
<b>Vendor 02870 - Boot Barn, Inc Total:</b>					<b>500.00</b>
<b>Vendor: 01208 - BSK Associates</b>					
03/07/2018	51682	Lab Fees - TP			328.00
03/07/2018	51682	Lab Fees - TP			87.00
03/07/2018	51682	Lab Fees - TP			300.00
<b>Vendor 01208 - BSK Associates Total:</b>					<b>715.00</b>
<b>Vendor: 01942 - Butte Co - Neal Rd Landfill</b>					
03/07/2018	51683	Landfill Fees - Shop			6.00
<b>Vendor 01942 - Butte Co - Neal Rd Landfill Total:</b>					<b>6.00</b>
<b>Vendor: 02975 - Butte LAFCO</b>					
03/07/2018	51684	Annexation Processing Fees			4,200.00
03/28/2018	51736	Annexation Processing Fees			2,900.00
<b>Vendor 02975 - Butte LAFCO Total:</b>					<b>7,100.00</b>
<b>Vendor: 01256 - California State Disbursement Unit</b>					
03/09/2018	51721	Garnishment			225.23
03/09/2018	51720	Garnishment			179.53
03/26/2018	51726	Garnishment			225.23
03/26/2018	51725	Garnishment			179.53
<b>Vendor 01256 - California State Disbursement Unit Total:</b>					<b>809.52</b>
<b>Vendor: 01266 - Cedar Creek Publishing</b>					
03/28/2018	51737	Water Conservation Education			2,269.09

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/28/2018	51737	Water Conservation Education			2,080.89
Vendor 01266 - Cedar Creek Publishing Total:					4,349.98
Vendor: 01285 - Chico Immediate Care					
03/07/2018	51685	Physicals-DMV & PreEmploye...			330.00
03/28/2018	51738	Physicals-DMV & PreEmploye...			165.00
Vendor 01285 - Chico Immediate Care Total:					495.00
Vendor: 01320 - Comcast					
03/07/2018	51686	Internet/BusClass - TP			242.47
03/28/2018	51739	Internet - Shop			105.07
03/28/2018	51739	Internet - Office			125.02
03/28/2018	51739	Internet - Office			106.01
Vendor 01320 - Comcast Total:					578.57
Vendor: 01370 - Commercial Tire Warehouse					
03/07/2018	51687	Repairs - #33, 09 Dump Truck - T..			348.58
03/28/2018	51740	Repairs - #22, Skid Steer - Tire			304.59
03/28/2018	51740	Repairs - #42, 06 Truck - (4) Tire			1,134.70
Vendor 01370 - Commercial Tire Warehouse Total:					1,787.87
Vendor: 01328 - Consolidated Electrical Dist					
03/07/2018	51688	Construction & Maint. Supplies -..			130.44
Vendor 01328 - Consolidated Electrical Dist Total:					130.44
Vendor: 01356 - Cranmer Engineering, Inc.					
03/07/2018	51689	Lab Fees - TP			1,092.00
Vendor 01356 - Cranmer Engineering, Inc. Total:					1,092.00
Vendor: 01263 - Department of Forestry and Fire Protection					
03/28/2018	51741	Shaded Fuel Removal @ Plant			2,055.60
03/28/2018	51741	Shaded Fuel Removal @ Plant			685.20
Vendor 01263 - Department of Forestry and Fire Protection Total:					2,740.80
Vendor: 01410 - Dept of Fish & Game					
03/28/2018	51742	Permit/Fees - Fishing			62.83
Vendor 01410 - Dept of Fish & Game Total:					62.83
Vendor: 01494 - Diesel Emissions Services					
03/07/2018	51690	Repairs - #23, 09 Backhoe - Parts			260.73
03/07/2018	51690	Repairs - #1, 99 Truck - Parts			350.56
Vendor 01494 - Diesel Emissions Services Total:					611.29
Vendor: 01456 - Driveline Specialists					
03/07/2018	51691	rebuild driveline			1,662.95
Vendor 01456 - Driveline Specialists Total:					1,662.95
Vendor: 02120 - Durham Pentz Truck Center					
03/07/2018	51692	Repairs - #33, 09 Dump Truck - ...			508.59
Vendor 02120 - Durham Pentz Truck Center Total:					508.59
Vendor: 01496 - Employee Relations					
03/28/2018	51743	Physicals-DMV & PreEmpolyme...			66.00
Vendor 01496 - Employee Relations Total:					66.00
Vendor: 01480 - Employment Development Dept.					
03/12/2018	DFT0002669	State Income Tax Withholding			4,042.83
03/12/2018	DFT0002672	State Disability Withholding			1,041.77
03/12/2018	DFT0002717	State Income Tax Withholding			4,308.93
03/12/2018	DFT0002720	State Disability Withholding			1,065.84
03/26/2018	DFT0002732	State Income Tax Withholding			3,754.23
03/26/2018	DFT0002735	State Disability Withholding			1,045.52
03/26/2018	DFT0002739	State Disability Withholding			12.75
Vendor 01480 - Employment Development Dept. Total:					15,271.87
Vendor: 01482 - Employment Development Dept.					
03/28/2018	51744	Unemployment Reimbursement			2,105.87
Vendor 01482 - Employment Development Dept. Total:					2,105.87

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01521 - Fastenal Co</b>					
03/28/2018	51745	Construction & Maint. Supplies -..			95.81
03/28/2018	51745	Construction & Maint. Supplies -..			61.41
<b>Vendor 01521 - Fastenal Co Total:</b>					<b>157.22</b>
<b>Vendor: 01526 - Federal Express Corp.</b>					
03/28/2018	51746	Psotage			64.30
<b>Vendor 01526 - Federal Express Corp. Total:</b>					<b>64.30</b>
<b>Vendor: 01527 - Ferguson Enterprises, Inc</b>					
03/28/2018	51747	(50) rubber gaskets for hydrants			202.04
03/28/2018	51747	(5) residential hydrant			5,791.57
03/28/2018	51747	(50) g-5 lids marked fire			969.75
03/28/2018	51747	(3) 36" bury			513.93
03/28/2018	51747	(3) 30" bury			481.65
03/28/2018	51747	(5) check valve			5,252.82
<b>Vendor 01527 - Ferguson Enterprises, Inc Total:</b>					<b>13,211.76</b>
<b>Vendor: 01528 - FGL Environmental</b>					
03/07/2018	51693	Lab Fees - TP			321.00
03/07/2018	51693	Lab Fees - TP			420.00
03/07/2018	51693	Lab Fees - TP			420.00
03/07/2018	51693	Lab Fees - TP			24.00
03/07/2018	51693	Lab Fees - TP			121.00
03/07/2018	51693	Lab Fees - TP			50.00
<b>Vendor 01528 - FGL Environmental Total:</b>					<b>1,356.00</b>
<b>Vendor: 02945 - Fiserv Solutions, LLC</b>					
03/28/2018	51748	Bank Charges			37.78
<b>Vendor 02945 - Fiserv Solutions, LLC Total:</b>					<b>37.78</b>
<b>Vendor: 01548 - Foothill Mill &amp; Lumber Co.</b>					
03/07/2018	51694	Misc. Supplies - Lake			128.22
<b>Vendor 01548 - Foothill Mill &amp; Lumber Co. Total:</b>					<b>128.22</b>
<b>Vendor: 01555 - Franklin Construction</b>					
03/15/2018	51724	trench box rental			1,750.00
<b>Vendor 01555 - Franklin Construction Total:</b>					<b>1,750.00</b>
<b>Vendor: 02813 - FTJ CORP ACCT</b>					
03/09/2018	1187	Retirement - 401(a) Match			2,710.16
03/09/2018	1187	Retirement Trust - 457			2,710.16
03/09/2018	1187	Deferred Comp 457			8,464.68
03/09/2018	1187	Retirement Trust - 457			496.87
03/09/2018	1187	Retirement Trust - 457			2,351.97
03/09/2018	1187	Loan Payment			685.90
03/09/2018	1187	Loan Payment			182.27
03/09/2018	1187	Loan Payment			40.11
03/09/2018	1187	Loan Payment			527.47
03/09/2018	1187	Loan Payment			184.94
<b>Vendor 02813 - FTJ CORP ACCT Total:</b>					<b>18,354.53</b>
<b>Vendor: 01587 - Genterra Consultants, Inc.</b>					
03/09/2018	51723	2018-3-9 Charges			24,708.75
<b>Vendor 01587 - Genterra Consultants, Inc. Total:</b>					<b>24,708.75</b>
<b>Vendor: 01648 - Harper &amp; Associates Engineering, Inc.</b>					
03/28/2018	51749	Job #18-02 - C Tank			2,875.00
<b>Vendor 01648 - Harper &amp; Associates Engineering, Inc. Total:</b>					<b>2,875.00</b>
<b>Vendor: 02889 - Health Equity, Inc.</b>					
03/29/2018	1190	Monthly Fees - 2/18			67.85
03/09/2018	DFT0002668	HSA Contribution			804.24
03/09/2018	DFT0002722	HSA Contribution			-41.67
03/09/2018	DFT0002715	HSA Contribution			1,679.22
03/09/2018	DFT0002716	HSA Contribution			18,375.00



## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/23/2018	DFT0002731	HSA Contribution			697.57
				<b>Vendor 02889 - Health Equity, Inc. Total:</b>	<b>21,582.21</b>
<b>Vendor: 01705 - Hunt &amp; Sons, Inc.</b>					
03/07/2018	51695	481gals. unleaded gasoline			1,438.04
03/07/2018	51695	625gals. clear diesel			2,213.71
03/07/2018	51695	240gals. unleaded gasoline			746.07
03/28/2018	51750	100gals. clear diesel			361.52
03/28/2018	51750	245gals. unleaded gasoline			777.04
03/28/2018	51750	250gals. unleaded gasoline			797.88
03/28/2018	51750	215gals. clear diesel			768.34
03/28/2018	51750	214gals. unleaded gasoline			701.69
				<b>Vendor 01705 - Hunt &amp; Sons, Inc. Total:</b>	<b>7,804.29</b>
<b>Vendor: 01713 - I.B.E.W. Local Union 1245</b>					
03/09/2018	51722	Union Dues - Processing fee			-58.00
03/09/2018	51722	Union Dues			1,176.75
03/26/2018	51727	Union Dues - processing fee			-58.00
03/26/2018	51727	Union Dues			1,176.75
				<b>Vendor 01713 - I.B.E.W. Local Union 1245 Total:</b>	<b>2,237.50</b>
<b>Vendor: 01716 - ICMA Retirement Trust-401</b>					
03/26/2018	1188	Retirement - 401(a) Match			2,715.98
				<b>Vendor 01716 - ICMA Retirement Trust-401 Total:</b>	<b>2,715.98</b>
<b>Vendor: 01715 - ICMA Retirement Trust-457</b>					
03/26/2018	1189	Retirement Trust - 457			2,715.98
03/26/2018	1189	Deferred Comp 457			8,482.18
03/26/2018	1189	Retirement Trust - 457			496.87
03/26/2018	1189	Retirement Trust - 457			2,401.97
03/26/2018	1189	Loan Payment			564.37
03/26/2018	1189	Loan Payment			125.00
03/26/2018	1189	Loan Payment			40.11
03/26/2018	1189	Loan Payment			333.31
03/26/2018	1189	Loan Payment			184.94
				<b>Vendor 01715 - ICMA Retirement Trust-457 Total:</b>	<b>15,344.73</b>
<b>Vendor: 01722 - Infinisource Cobra Compliance</b>					
03/28/2018	51751	Flexible Benefits			80.00
				<b>Vendor 01722 - Infinisource Cobra Compliance Total:</b>	<b>80.00</b>
<b>Vendor: 02807 - Infosend</b>					
03/07/2018	51696	Postage			3,660.47
03/07/2018	51696	Postage			2,446.19
				<b>Vendor 02807 - Infosend Total:</b>	<b>6,106.66</b>
<b>Vendor: 01720 - Inland Business Systems</b>					
03/28/2018	51752	Office Equip. Maint. - Office			230.82
				<b>Vendor 01720 - Inland Business Systems Total:</b>	<b>230.82</b>
<b>Vendor: 01731 - Internal Revenue Service</b>					
03/12/2018	DFT0002670	FICA Withholding			12,763.50
03/12/2018	DFT0002671	Fed Withholding			10,399.33
03/12/2018	DFT0002673	Medicare Withholding			2,985.00
03/03/2018	DFT0002710	FICA Withholding			50.12
03/03/2018	DFT0002711	Medicare Withholding			11.72
03/12/2018	DFT0002718	FICA Withholding			12,953.56
03/12/2018	DFT0002719	Fed Withholding			11,328.75
03/12/2018	DFT0002721	Medicare Withholding			3,029.50
03/12/2018	DFT0002724	FICA Withholding			5.16
03/12/2018	DFT0002725	Fed Withholding			4.17
03/12/2018	DFT0002727	Medicare Withholding			1.20
03/26/2018	DFT0002733	FICA Withholding			12,823.80
03/26/2018	DFT0002734	Fed Withholding			9,919.13
03/26/2018	DFT0002736	Medicare Withholding			2,999.12
03/26/2018	DFT0002738	FICA Withholding			158.14

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/26/2018	DFT0002740	Medicare Withholding			36.98
03/31/2018	DFT0002742	FICA Withholding			37.20
03/31/2018	DFT0002743	Medicare Withholding			8.70
Vendor 01731 - Internal Revenue Service Total:					79,515.08
Vendor: 01742 - J C Nelson Supply Co.					
03/07/2018	51697	Janitorial Supplies - Lake			278.00
03/28/2018	51753	Janitorial Supplies - Shop			224.66
Vendor 01742 - J C Nelson Supply Co. Total:					502.66
Vendor: 03008 - Koff & Associates					
03/28/2018	51754	Misc. Prof. Services			6,250.00
03/28/2018	51754	Misc. Prof. Services			6,250.00
Vendor 03008 - Koff & Associates Total:					12,500.00
Vendor: 01888 - Meeks					
03/28/2018	51755	Garden			81.82
Vendor 01888 - Meeks Total:					81.82
Vendor: 01905 - Minasian, Meith, Soares, Sexton & Cooper, LLP					
03/28/2018	51756	Legal Fees			11,094.82
Vendor 01905 - Minasian, Meith, Soares, Sexton & Cooper, LLP Total:					11,094.82
Vendor: 01939 - National Meters and Automation					
03/28/2018	51757	(6) METER - Brass Model 35 Bo...			607.71
03/28/2018	51757	(6) Model 35 Register & Connec...			458.65
Vendor 01939 - National Meters and Automation Total:					1,066.36
Vendor: 01966 - Norlab, Inc					
03/07/2018	51698	Water Education Conservation			269.50
Vendor 01966 - Norlab, Inc Total:					269.50
Vendor: 01980 - Northern Recycling & Waste Svcs					
03/28/2018	51758	Garbage - Lake			93.75
03/28/2018	51758	Garbage - TP			41.25
03/28/2018	51758	Garbage - Shop			149.97
03/28/2018	51758	Landfill Fees - Shop			220.50
03/28/2018	51758	Garbage - Office			53.32
Vendor 01980 - Northern Recycling & Waste Svcs Total:					558.79
Vendor: 01950 - Northstate Aggregate, Inc.					
03/07/2018	51699	Construction & Maint. Supplies -..			22.90
Vendor 01950 - Northstate Aggregate, Inc. Total:					22.90
Vendor: 01995 - Office Depot					
03/07/2018	51700	Office Supplies - Office			75.32
03/07/2018	51700	Office Supplies - Office			113.67
03/07/2018	51700	Office Supplies - Office			26.68
03/07/2018	51700	Office Supplies - Office			13.34
03/28/2018	51759	Office Supplies - Shop			82.88
03/28/2018	51759	Office Supplies - Office			284.98
03/28/2018	51759	Office Supplies - Office			294.13
03/28/2018	51759	Office Supplies - Shop			119.15
Vendor 01995 - Office Depot Total:					1,010.15
Vendor: 02922 - Oleum Supply Company					
03/07/2018	51701	Vehicles/Equipment-Gas/Oil - S...			197.57
Vendor 02922 - Oleum Supply Company Total:					197.57
Vendor: 02014 - OnTrac					
03/07/2018	51702	Courier Service Water Samples -...			174.66
03/28/2018	51760	Courier Service Water Samples -...			37.36
Vendor 02014 - OnTrac Total:					212.02
Vendor: 01538 - O'Reilly Auto Parts					
03/07/2018	51703	Repairs - #20, 09 Truck - Parts			165.64
03/07/2018	51703	Vehicles/Equipment-Gas/Oil - S...			58.00
03/07/2018	51703	Repairs - #31, 09 Truck - Parts			62.11

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/07/2018	51703	Construction & Maint. Supplies -..			38.52
03/07/2018	51703	Construction & Maint. Supplies -..			4.20
03/07/2018	51703	Repairs - #20, 09 Truck - Parts			172.73
03/07/2018	51703	Repairs - #20, 09 Truck - Parts			52.68
03/07/2018	51703	Repairs - #20, 09 Truck - Parts			173.76
03/07/2018	51703	Repairs - #20, 09 Truck - Parts			54.92
03/07/2018	51703	Construction & Maint. Supplies -..			77.45
03/28/2018	51761	Construction & Maint. Supplies -..			237.15
03/28/2018	51761	Construction & Maint. Supplies -..			245.65
Vendor 01538 - O'Reilly Auto Parts Total:					1,342.81
Vendor: 03010 - Oroville Ford					
03/28/2018	51762	horn button for unit 29 dump t...			102.06
Vendor 03010 - Oroville Ford Total:					102.06
Vendor: 02041 - Pape Machinery					
03/07/2018	51704	Equipment Repairs - Shop			35.53
Vendor 02041 - Pape Machinery Total:					35.53
Vendor: 02108 - Paradise Post					
03/28/2018	51763	Subscription - 52 Weeks			63.64
Vendor 02108 - Paradise Post Total:					63.64
Vendor: 02059 - Payless Building Supply					
03/07/2018	51705	Garden			115.79
Vendor 02059 - Payless Building Supply Total:					115.79
Vendor: 02872 - Peerless Bldg. Maintenance Inc.					
03/07/2018	51706	Janitorial Service - Office			450.00
Vendor 02872 - Peerless Bldg. Maintenance Inc. Total:					450.00
Vendor: 02090 - Pitney Bowes Global Financial Services LLC					
03/07/2018	51707	Postage Meter			346.10
Vendor 02090 - Pitney Bowes Global Financial Services LLC Total:					346.10
Vendor: 02098 - Pollard Water					
03/07/2018	51708	(3) 2-1/2" hoses for flushing			734.93
03/28/2018	51764	Construction & Maint. Supplies -..			19.86
03/07/2018	51708	5lbs ascorbic acid			215.50
Vendor 02098 - Pollard Water Total:					970.29
Vendor: 02057 - Riebes Auto Parts					
03/28/2018	51765	Repairs - #25, 04 Truck - Belt			33.77
03/28/2018	51765	Construction & Maint. Supplies -..			63.15
03/28/2018	51765	Construction & Maint. Supplies -..			42.56
03/28/2018	51765	Construction & Maint. Supplies -..			173.24
03/28/2018	51765	Sm Hand Tools - Shop			6.12
Vendor 02057 - Riebes Auto Parts Total:					318.84
Vendor: 02211 - Sabre Backflow, LLC.					
03/28/2018	51766	backflow calibration			191.09
Vendor 02211 - Sabre Backflow, LLC. Total:					191.09
Vendor: 02292 - Standard Insurance Company					
03/07/2018	51709	Long Term Disability			831.20
Vendor 02292 - Standard Insurance Company Total:					831.20
Vendor: 02293 - Stanley Convergent Security Solutions					
03/07/2018	51710	Bldg. Security - TP			100.38
Vendor 02293 - Stanley Convergent Security Solutions Total:					100.38
Vendor: 02332 - SWRCB					
03/28/2018	51767	License Renewal - Shop			70.00
Vendor 02332 - SWRCB Total:					70.00
Vendor: 02808 - The UPS Store					
03/07/2018	51711	Postage - Shop			117.99
03/07/2018	51711	Postage - Shop			160.35

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/07/2018	51711	Postage - Shop			35.84
Vendor 02808 - The UPS Store Total:					314.18
<b>Vendor: 02362 - Thomas Ace Hardware</b>					
03/07/2018	51712	Bldg & Grounds Maint. - Lake			72.65
03/07/2018	51712	Sm Hand Tools - Shop			35.75
03/07/2018	51712	Construction & Maint. Supplies -..			152.27
03/07/2018	51712	Construction & Maint. Supplies -..			9.10
03/07/2018	51712	Misc Supplies - Lake			77.44
03/07/2018	51712	Construction & Maint. Supplies -..			12.48
03/07/2018	51712	Construction & Maint. Supplies -..			10.46
03/07/2018	51712	Construction & Maint. Supplies -..			13.73
03/07/2018	51712	Bldg & Grounds Maint. - Office			125.78
03/07/2018	51712	Bldg & Grounds Maint. - Office			16.47
03/07/2018	51712	Bldg & Grounds Maint. - Office			15.30
03/07/2018	51712	Misc. Supplies - Lake			8.61
03/07/2018	51712	Construction & Maint. Supplies -..			17.51
03/07/2018	51712	Misc. Supplies - TP			22.90
03/07/2018	51712	Construction & Maint. Supplies -..			7.41
03/07/2018	51712	Construction & Maint. Supplies -..			7.75
03/07/2018	51712	Construction & Maint. Supplies -..			10.49
03/07/2018	51712	Garden			26.48
03/07/2018	51712	Sm Hand Tools - Lake			110.33
03/07/2018	51712	Misc. Supplies - TP			41.31
03/07/2018	51712	Repairs - Skid Steer Boom - Parts			38.29
03/07/2018	51712	Construction & Maint. Supplies -..			9.10
03/07/2018	51712	Construction & Maint. Supplies -..			11.18
03/07/2018	51712	Construction & Maint. Supplies -..			2.58
03/07/2018	51712	Sm Hand Tools - Shop			10.15
03/07/2018	51712	Construction & Maint. Supplies -..			5.15
03/07/2018	51712	Construction & Maint. Supplies -..			15.30
03/07/2018	51712	Repairs - Emergency Lighting - ...			7.65
03/07/2018	51712	Misc. Supplies - TP			12.35
03/07/2018	51712	Construction & Maint. Supplies -..			111.67
03/07/2018	51712	Construction & Maint. Supplies -..			15.82
03/07/2018	51712	Misc. Supplies - TP			211.99
03/07/2018	51712	Construction & Maint. Supplies -..			201.37
03/07/2018	51712	Janitorial Supplies - Lake			37.92
03/07/2018	51712	Construction & Maint. Supplies -..			9.10
03/07/2018	51712	Misc. Supplies - TP			6.86
03/07/2018	51712	Sm Hand Tools - Shop			8.49
03/07/2018	51712	Sm Hand Tools - Shop			5.59
03/07/2018	51712	Misc. Supplies - TP			9.46
03/07/2018	51712	Misc. Supplies - TP			2.46
03/07/2018	51712	Misc. Supplies - TP			8.21
03/07/2018	51712	Construction & Maint. Supplies -..			323.23
Vendor 02362 - Thomas Ace Hardware Total:					1,858.14
<b>Vendor: 02371 - Tittle &amp; Company, LLP</b>					
03/28/2018	51768	Accounting			3,400.00
Vendor 02371 - Tittle & Company, LLP Total:					3,400.00
<b>Vendor: 02964 - T-Mobile</b>					
03/28/2018	51769	Fireflies - CS			355.49
Vendor 02964 - T-Mobile Total:					355.49
<b>Vendor: 02394 - Tyler Technologies, Inc.</b>					
03/28/2018	51770	Annual Maint. Financial Suite			21,541.73
03/07/2018	51715	Maintenance - 03/18			200.00
Vendor 02394 - Tyler Technologies, Inc. Total:					21,741.73
<b>Vendor: 02686 - USA Blue Book</b>					
03/28/2018	51771	Misc. Supplies - TP			124.69

## Expense Approval Report

Payment Dates: 03/01/2018 - 03/31/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
03/28/2018	51771	Repairs - Level Measurement - ...			102.99
Vendor 02686 - USA Blue Book Total:					227.68
Vendor: 02703 - Verizon Wireless					
03/07/2018	51716	(16) Mobile Phones			522.57
Vendor 02703 - Verizon Wireless Total:					522.57
Vendor: 02712 - VistaNet inc.					
03/28/2018	51772	Veeam 1 year support 2 - 2 soc...			770.00
03/28/2018	51772	annual software support			165.00
Vendor 02712 - VistaNet inc. Total:					935.00
Vendor: 02714 - Wagner & Bonsignore					
03/28/2018	51773	Water Rights Petition			3,927.00
Vendor 02714 - Wagner & Bonsignore Total:					3,927.00
Vendor: 03002 - Water Works Engineers					
03/28/2018	51774	Job #17-02 - B Res Replacement...			18,730.15
03/28/2018	51774	Job #17-04 - Backwash Waste N...			2,325.74
Vendor 03002 - Water Works Engineers Total:					21,055.89
Vendor: 02778 - Wurth USA Inc.					
03/07/2018	51717	Construction & Maint. Supplies -..			135.34
Vendor 02778 - Wurth USA Inc. Total:					135.34
Vendor: 02787 - Zee Service Company					
03/07/2018	51718	Safety Supplies - TP			61.80
03/28/2018	51775	Safety Supplies - Shop			76.72
Vendor 02787 - Zee Service Company Total:					138.52
Vendor: 02867 - Zenner USA					
03/28/2018	51776	(200) METER - Fire Fly			14,208.78
Vendor 02867 - Zenner USA Total:					14,208.78
Grand Total:					512,023.33



## PARADISE IRRIGATION DISTRICT

*"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."*

*Please consider how this agenda item relates to our mission.*

**TO: Board of Directors**  
**FROM: Kevin Phillips, Interim District Manager**  
**Jim Passanisi, Treatment Superintendent**  
**DATE: April 18, 2018**  
**RE: Paradise Lake for Boat Launch Ramp No. 1 – Improvement to Existing Parking Area**

During the Paradise Lake and Recreation Committee meeting on April 11, 2018, the members unanimously recommended sole sourcing John Wheeler Logging, Inc. due to the equipment transportation cost savings as John Wheeler Logging, Inc. already has its equipment in the area. Staff was directed to prepare an action item for the next Board of Directors meeting on April 18, 2018 to consider approval.

The Board of Directors purchased 3 acres adjacent to Boat Launch Ramp No. 1 at Paradise Lake. In order to improve parking, the existing parking area would be expanded by no more than 0.8 acres (130 feet by 260 feet). See map attached. This work is not part of the Boat Launch Project eligible for potential grant funding.

The scope of work to be performed by John Wheeler Logging, Inc. includes the following:

1. Cut and remove trees;
2. Remove and haul away stumps;
3. Chip small trees and brush and leave piles on site; and
4. Rough grading

### Conditions Prior:

Before the above described work can proceed, the following must be completed:

1. A CEQA Analysis to determine whether the scope of work is subject to CEQA. If so, the scope of work cannot be performed until all CEQA requirements are satisfied.
2. Secure a "Less than 3-acre Timberland Conversion Permit" from CalFire to designate the sparsely forested land to parking. Staff will expedite the application for this permit. The APN for the parcel is 065 530 047.

Timing:

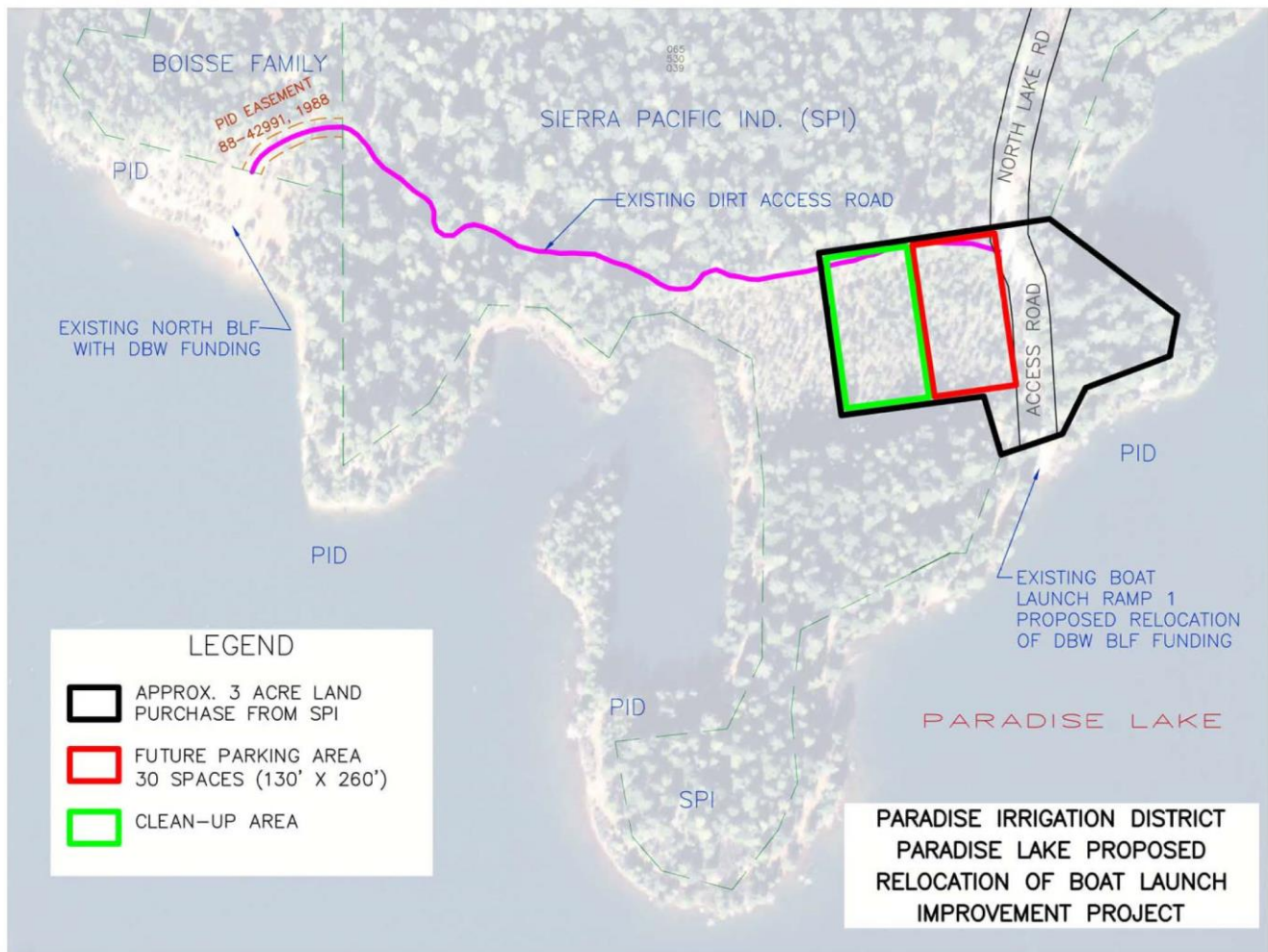
This item is being brought for your consideration earlier than scheduled since Sierra Pacific Industries (SPI) currently has John Wheeler Logging, Inc. doing timber harvesting adjacent to the District's parking. This could result in a significant savings as it would negate equipment transportation costs. Attached is a bid from John Miller, President of Wheeler Logging dated Sept. 22, 2016. The labor component is \$10,050 and the equipment transportation is \$8,640. The quote attached was resubmitted to the District by Wheeler Logging on Thursday April 12, 2018.

Staff recommends the Board authorize the Interim District Manager to make arrangements with John Wheeler Logging, Inc. to proceed with the land clearing immediately, while the company's equipment is mobilized in the area at a cost not to exceed \$13,000, which includes a \$2,950 contingency. The District will not proceed with the work if CEQA and/or CalFire requirements cannot be satisfied in a timely manner.

The following motion is recommended:

*"I move to authorize the Interim District Manager to procure logging services from John Wheeler Logging, Inc, at a cost not to exceed \$13,000 to do land clearing and rough grading at the existing parking area near Paradise Lake Launch Ramp No. 1, provided any applicable CEQA and CalFire requirements can be satisfied."*





530-527-5528

Wheeler Logging

Wheeler Logging Inc.

02:06:10 p.m. 09-22-2016

1 / 1



Mr. Jim Passanisi  
Paradise Irrigation District  
September 22, 2016

Mr. Passanisi,

In response to your request for a bid for the Paradise Irrigation District Boat Ramp Parking Lot Project, Wheeler Logging proposes to complete work as follows:

	<u>Equipment</u>	<u>Transportation</u>
Cut trees	1,400.00	1,440.00
Bump Stumps (Cat)	1,200.00	1,440.00
Skid & chip biomass	2,700.00	2,880.00
Loader to load stumps	2,000.00	1,440.00
Dump truck to haul stumps	1,800.00	0
Grader	950.00	1,440.00
Subtotal	<u>10,050.00</u>	<u>8,640.00</u>
Total Bid		<u>18,690.00</u>

Chips to be left in a pile for PID use.

We trust this bid meets your expectations and we look forward to working with the district to meet its project's needs.

Sincerely,

John Miller  
President

P.O. Box 339 • Red Bluff, CA 96080 • (530) 527-2993 • FAX (530) 527-5528



## PARADISE IRRIGATION DISTRICT

*"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."*

*Please consider how this agenda item relates to our mission.*

**TO: Board of Directors**  
**FROM: Jim Ladrini**  
**DATE: April 10, 2018**  
**RE: Tree removal work at various District facilities**  
**04/18/2018 Board of Directors Meeting**

**Background:**

Several trees on various District facilities have been identified as hazardous. The following are descriptions from the findings of tree surveys;

- Corporation Yard. One Ponderosa Pine at the east property boundary of the corporation yard is in declining health and has been declared hazardous. The condition of this tree is similar to others that have been removed over the past few years.
- D Tank. Nine trees have been identified as dead or degraded to the point of being hazardous. Several trees from this site have been removed over the past several years and robust efforts have been made to remove dead wood.
- Demonstration Garden. Trees located in the area between the residential rental property and the demonstration garden, have been identified for removal and weight reduction. Several black oaks need dead wood removal and weight reduction. One big leaf maple exhibiting significant decay needs to be removed. One large black oak has a large dead wood limb requiring removal and additional weight reduction on heavy limbs. The canopy of one hemlock needs to be raised.
- Residential rental. Two black oaks have been identified as having badly damaged root systems and are leaning toward the house. These trees need to be completely removed.

All work to be performed at all sites includes the complete removal of all wood and debris and clean up. The trees that are to be removed shall be cut as low as possible. A summary of the proposals will be available for the Board meeting.

The recommended form of motion would be:

*"I move approval to authorize the Interim District Manager to engage in a contract with the prevailing bid contractor and direct appropriate staff to schedule and complete the proposed tree work."*



PARADISE IRRIGATION DISTRICT								
BID RECAP FORM			Tree Work			16-Apr-18		
P.I.D. reserves the right to add, delete, or change quantities			M&S Wesley Tree Service*					
Vendors may adjust quotes based on changes to bids								
INVENTORY #	QTY		PRICE	EXTENSION	PRICE	EXTENSION	PRICE	EXTENSION
	1	Includes all clean up and low cut stumps	\$ 27,000.00	\$ 27,000.00		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
		*M&S Wesley bid did not include		\$ -		\$ -		\$ -
		assessment and work to be performed		\$ -		\$ -		\$ -
		at residential rental 6350 Clark Road		\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -		\$ -
				\$ -		\$ -	</	



## PARADISE IRRIGATION DISTRICT

6332 Clark Road, Paradise CA 95969 | Phone (530)877-4971 | Fax (530)876-0483

**To: Board of Directors**

**From: Keith O'Brien, Distribution Superintendent**

**Date: April 12, 2018**

**RE: Resolution Negating Declaration of Surplus Property – 2008 Jeep Wrangler  
04/18/2018 Board of Directors Meeting**

On November 15, 2017 the 2008 Jeep Wrangler was declared surplus property and to be sold in the most practical manner.

We have since purchased our leak detection equipment approved by the board and have started utilizing this equipment, which is performing quite nicely. This equipment was very expensive and as we have learned, must be handled with care and kept as clean and dry as possible.

The Jeep Wrangler would be a great vehicle designated to be used for the primary purpose of leak detection. The equipment would be stored and utilized from this vehicle only, which will provide safe keeping and dry from the elements.

The following motion is recommended:

"I move to adopt Resolution No. 2018-04 negating the declaration of surplus property and declaring that the 2008 Jeep Wrangler Unit No. 54 shall no longer be considered surplus property and will be retained for District use."



## **PARADISE IRRIGATION DISTRICT**

---

### **RESOLUTION NO. 2018-04**

#### **RESOLUTION BY THE BOARD OF DIRECTORS NEGATING THE DECLARATION OF SURPLUS PROPERTY**

WHEREAS, Water Code section 22500 provides that the District's board, "by resolution entered upon the minutes" may determine that any property of the District is no longer necessary for "District purposes" and thereafter for "valuable consideration sell or lease the property upon terms that appear to the board to be for the best interests of the District;" and

WHEREAS, the Paradise Irrigation District is the owner of a 2008 Jeep Wrangler, Unit No. 54; and

WHEREAS, on November 15, 2017, the Board adopted Resolution No. 2017-15 declaring the Jeep Wrangler Unit No. 54 surplus property;

WHEREAS, no subsequent action has been taken to dispose of the property; and

WHEREAS, the District has since identified a necessary purpose for Jeep Wrangler Unit No. 54;

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Board of Directors of the Paradise Irrigation District that:

1. The 2008 Jeep Wrangler Unit No. 54 shall no longer be considered surplus property and will be retained for District use.

Passed and adopted this 18<sup>th</sup> day of April, 2018, the following Directors voting thereon:

AYES:

NOES:

ABSENT:

ABSTAIN:

PARADISE IRRIGATION DISTRICT

---

Daniel Wentland, President

Attest:

---

Georgeanna Borrayo, Secretary





## ***PARADISE IRRIGATION DISTRICT***

---

**TO: Board of Directors**

**FROM: Kevin Phillips**

**DATE: 4/13/2018**

**RE: Meter Serviceperson Job Description  
04/18/2018 Board of Directors Meeting**

The District currently has a Meter Serviceperson position vacant. The current job description has a requirement for the applicant to possess an AWWA CA/NV section certificate for backflow prevention device testing. The District would like to change this to indicate the applicant shall obtain the backflow and D-1 certification within 18 months of hire date. This gives more opportunities for current employees to fill this position.

The recommended form of motion would be:

"I move approval to authorize revisions to the Meter Serviceperson job description."

## METER SERVICEPERSON

### Definition

Under supervision: to read water meters and record water ~~usage;~~ usage; to replace malfunctioning ~~meters;~~ meters; to repair and service meters; may be assigned standby duties subject to all conditions as established in the District's Rules and Regulations; and to do related work as required.

### Examples of Duties

- Covers regular route reading and recording numbers on mechanical water meters.
- Locates private residence meters in ground and records reading.
- Cleans meter box or glass where needed.
- Checks meter number against route book.
- Records new listings and malfunctioning meters for shop records or repair.
- Maintains and services truck.
- Disconnects out-of-order meters, replaces damaged valves, replumbs meters.
- Checks meters on reading complaints.
- Collects delinquent water bills or seals off service.
- In shop:
  - Rebuilds meters.
  - Tests meters for accurate flow.
  - Maintains records and files; assists with inventory and ordering.
- Inspect and test required backflow devices.

### Typical Physical Activities

- Operates District vehicles to travel between jobsites.
- Must be able to carry, push, pull, reach, grasp and lift equipment, parts and material weighing up to 60 lbs. daily, and occasionally up to 100 lbs.
- Stoops, kneels, crouches, crawls, climbs, during meter reading and repair.
- Works in an environment with exposure to dust, dirt, mud and water and significant temperature changes between heat and cold.
- Regularly uses a telephone for communication.
- Stands and walks for extended time periods.
- Hearing and vision within normal ranges.

### Employment Standards

#### Knowledge of:

- Geographical locations and names of streets in the reading area.
- Tools and methods of small mechanical repair and plumbing.

## Meter Serviceperson

### Ability to:

- Read meters accurately.
- Learn meter repair and the operation of meter testing devices.
- Disconnect and install meters.
- Understand and follow oral and written directions, and work without close supervision..supervision.
- Perform heavy manual labor, often in inclement weather.
- Deal courteously and tactfully with the public.

### Desirable Qualifications:

Experience: One year of experience in work requiring mechanical aptitude and public contact.

Education: High school diploma or the equivalency thereof sufficient to assure the ability to read and write at the level required for successful job performance.

### License Certificate Requirement:

Driver License: Possession of a valid appropriate California driver's license issued by the State Department of Motor Vehicles. Possession and proof of a good driving record as evidenced by freedom from multiple or serious traffic violations or accidents for at least two (2) years duration. The driving record will not contribute to an increase in the District's automobile rates.

~~Possession of~~ Obtain a valid AWWA California/Nevada Section Certificate for Backflow Prevention Device Tester and a D-1 Certification within 128 months of hire date.

**The specific statements shown in each section of this description are not intended to be all-inclusive. They represent typical elements and criteria necessary to successfully perform the job.**



## PARADISE IRRIGATION DISTRICT

---

**TO:** Board of Directors

**FROM:** Kevin Phillips

**DATE:** 4/11/2018

**RE:** Selection of District Auditor 3 Yrs (2018 -2020)  
04/18/2018 Board of Directors Meeting

**Background:**

The District issued an RFP for auditing services. The District has used Title and Co. for the last six-year period. It should be noted that the Title and Co. organization from Chico has done an excellent job for the District during its engagement period.

The District selected twelve very qualified firms to request proposals from and a mailing occurred in March. Responses were received from three of the selected firms.

Careful consideration was given to each firm's qualifications, technical capabilities, staffing qualifications, water audit clients, audit approach, and their respective expertise regarding GASB.

Below is the summary of the three proposals:

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>3 year total</b>
Fedak & Brown LLP	16,500	16,960	17,420	<b>50,880</b>
Fechter & Company	16,000	16,000	16,000	<b>48,000</b>
Smith & Newell	16,380	16,875	17,375	<b>50,630</b>

Emphasis was equally placed on the firm's overall qualification, as well as cost. All three firms' proposals were very impressive. I was impressed with the firm Fetcher & Co. out of Sacramento. Reference checks on Fechter & Co. came back exceptionally well.

The hours quoted by Fechter & Co. for each annual engagement period were in line with prior District auditing performances. Fechter & Co. has assigned a manager from the firm to perform a significant portion of the audit fieldwork and assigned a partner to perform a significant portion of the audit technical review.

**The following form of motion is requested:**

"I move to accept the proposal from Fechter and Company for auditing services for fiscal years 2017-18 through 2019-20, for a not-to-exceed amount of \$48,000 (\$16,000 per year) and direct the Interim District Manager to execute the professional services agreement following review by Legal Counsel"



## ***PARADISE IRRIGATION DISTRICT***

---

**TO: Board of Directors**

**FROM: Kevin Phillips**

**DATE: 4/13/2018**

**RE: Chico State Project**  
**04/18/2018 Board of Directors Meeting**

Phil Kelly (former PID District Manager) contacted Chico State Professor Jackson Webster, Ph.D. about the possibility of studying the effects of rooftop watering during a wildfire. Dr. Jackson thought this would be a great project for Chico State to study. The project would be collaboration between PID and Chico State.

Attached is an email from Dr. Jackson, which explains the project in further detail.

## Kevin Phillips

---

**From:** Jackson P Webster <jwebster13@csuchico.edu>  
**Sent:** Thursday, April 12, 2018 5:52 PM  
**To:** Kevin Phillips  
**Subject:** RE: Paradise Irrigation District

Hello Kevin,

Yes, I spoke with Phil last week and I am definitely interested in the project. Just to give you a little background, my main area of research is wildfire and water quality. I have spent a fair amount of time thinking about wildfire and wildfire threats to infrastructure, though not exactly from this angle. Broadly speaking, I am half environmental and half water with a background in fire, so probably your guy for the job. I definitely see a need for increased community preparedness across the western US and innovative systems like this could be one approach to protecting communities. I am excited to think about this issue!

I have a couple initial thoughts regarding the proposed project:

1. The biggest question for developing a system like this is water availability. We will need to carefully consider fire flow requirements and water storage – if the system draws too much water (i.e. residents all turn on a sprinkler system at once) it could cause a loss of pressure at fire hydrants. Until we know what the water availability and usage restrictions are, we can't really design a system or even figure out the sprinkler set-up on the buildings.
2. Other mitigation strategies, such as vegetation reductions, yard maintenance, building material choice, etc. should be considered in concert with the sprinkler system – I fear that a ripping wildfire on a hot and windy day may not be stopped by a sprinkler system alone. If we move forward with the concept it should probably be with the thinking that this is a "last ditch measure" in the event of such a wildfire. Not a 100% guaranteed suppression measure. I look at what happened in Santa Rosa last year and I just don't think there is anything that could have stopped that inferno. The bottom line is that we will need to make sure that expectations are realistic.

I think my approach to the project would be to do some back of the envelope calcs and see if the existing system can handle the increased demand. If the numbers seem reasonable I think we could do some mapping and modeling of the distribution system using Autocad and Watercad. I don't know if you already have this kind of mapping, some communities do, some don't. If not, this could be a potentially useful deliverable regardless of the project outcome. Once we have the flow and pressure data, we can model the effects of the increase demand to determine how much water and how long we can supply each house. Simultaneously, we can think about how much water and how to best apply water to structures. If the two meet in the middle, we may have a good concept. At that point I would submit a report and give you our preliminary designs for you to decide how to involve consulting or city/county engineers to implement.

I think the project would be great for a civil engineering student or a small team of students and there are a couple ways we could move forward. One way is to use this project as a topic for a class. I can schedule an advanced water resources class for the fall 2018. This option has the benefit of free labor! Alternatively, I can hire a civil engineering student to intern for the summer to work on the project. This would require some financial support. I suppose there are other options too, such as PID or Paradise hiring an intern for the summer that would work with me. Again, it is possible that we produce a watercad model, or other deliverable, that benefits the PID either way we go on the project.

Sorry for the long email!

Looking forward to hearing your thoughts.

Jack

Jackson Webster, Ph.D.  
Assistant Professor  
Department of Civil Engineering  
California State University, Chico

207A Langdon Hall  
530-898-6539  
[jwebster13@csuchico.edu](mailto:jwebster13@csuchico.edu)

---

**From:** Kevin Phillips [mailto:kphillips@paradiseirrigation.com]  
**Sent:** Wednesday, April 11, 2018 1:50 PM  
**To:** Jackson P Webster <jwebster13@csuchico.edu>  
**Subject:** Paradise Irrigation District

Mr Webster,

I received your name from Phil Kelly. He said that you may be interested in doing a research project on the benefits of sprinklers on rooftops during a wildfire. We have included this item on the Board agenda for April 18<sup>th</sup> at 6:30. If you have information that you would like to provide with this item please feel free to send that information directly to me.

Thanks

Kevin Phillips