



# 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, MARCH 21, 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.*
  - a. Approval of Meeting Agenda Order
  - b. Approval of Minutes: Regular Meeting of February 21, 2018
  - c. Approval to Purchase: Rainbow Trout for Stocking Paradise Lake
  - d. Approval to Purchase: Spare Turbidimeter
  - e. Approval to Purchase: Chlorine Analyzer Replacement
- 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. **PRESENTATIONS:**
  - a. Presentation by The Red Wagon, current tenant of the PID commercial property located at 6360 Clark Road, Paradise. *Information item only.*
- 5. **STAFF AND BILLING REPORTS:** Review and acceptance of the February, 2018 Staff and Billing Reports. *Action may be taken.*
  - a. Staff Report for February, 2018
  - b. Billing Report for February, 2018
- 6. **DISTRICT MANAGER'S REPORT:** A written report on various projects. *Information item only.*
- 7. **TREASURER'S MEMO:** Review and acceptance of the Treasurer's Memo for the period ending February 28, 2018. *Action may be taken.*
- 8. **APPROVAL OF CHECKS:** Approval of 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. *Action may be taken.*

**9. LEGAL REPORT:** A verbal update from Legal Counsel. *Information item only.*

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

**11. NEW BUSINESS:**

- a. Dam-Break Inundation Study Proposals for Paradise Dam and Magalia Dam (Neil Essila): Accept proposal from Domenichelli & Associates, Inc. for inundation mapping services for the Paradise and Magalia Reservoirs, for a not-to-exceed amount of \$59,906. *Action may be taken.*
- b. Reimbursement Resolution – State Revolving Fund Loan Construction Application for Reservoir “B” Replacement Project (Kevin Phillips / Jim Passanisi): Adopt 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. *Action may be taken. (Roll call vote)*
- c. Procurement of a Boom Lift to Assist with Maintenance Activities (Kevin Phillips / Jim Passanisi): Authorize the procurement of a boom lift from the Rental Guys at a cost not to exceed \$22,000, including tax. *Action may be taken.*
- d. Approval of Software Subscriptions for Microsoft & Adobe Products (Mickey Rich). Approval to authorize the Interim District Manager to procure annual software subscriptions according to District need. *Action may be taken.*
- e. 2018 Water Bond Measures (Kevin Phillips): Consider adopting Resolution No. 2018-02 to formally support Proposition 68 (June 2018 ballot), and the State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018 (November 2018 ballot). *Action may be taken. (Roll call vote)*
- f. Cal Trust Investment Account (Kevin Phillips): Authorize the Interim District Manager to execute an agreement with Cal Trust to open an investment account. *Action may be taken.*

**12. 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. Community Relations Committee (Directors Rice & Sulik – Chairperson)
  - 3. BCSDA Executive Board Meeting (Director Sulik)

**13. DIRECTORS’ COMMENTS:** *Information Item Only.*

**14. CLOSED SESSION:**

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

**15. CLOSED SESSION ANNOUNCEMENT**

**16. ADJOURNMENT**

CONSENT CALENDAR  
REGULAR MEETING  
PARADISE IRRIGATION DISTRICT  
BOARD OF DIRECTORS

MARCH 21, 2018

- A. APPROVAL OF MEETING AGENDA ORDER
- B. APPROVAL OF MINUTES: Regular Meeting of February 21, 2018
- C. APPROVAL TO AUTHORIZE PURCHASE (Rainbow Trout for Stocking Paradise Lake):  
**Action Requested:** Authorize the annual purchase of rainbow trout from Desert Springs Trout Farm in the amount of \$10,483.
- D. APPROVAL TO AUTHORIZE PURCHASE (Spare Turbidimeter):  
**Action Requested:** Authorize the purchase of a spare turbidimeter from Hach USA at a cost of \$4,985, plus tax and shipping.
- E. APPROVAL TO AUTHORIZE PURCHASE (Chlorine Analyzer Replacement):  
**Action Requested:** Authorize the purchase of a Wallace & Tiernan MFC analyzer with Depolox 5 Cell for Free Chlorine unit from Borges & Mahoney at a cost of \$5,892, plus tax and shipping.

MINUTES

REGULAR MEETING  
BOARD OF DIRECTORS  
PARADISE IRRIGATION DISTRICT  
FEBRUARY 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, T&D Superintendent Keith O'Brien, T&D Assistant Superintendent Jim Ladrini, Assistant Engineer Neil Essila, IT 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.c.)

2.a. Approval of Meeting Agenda Order

2.b. Approval of Minutes: Regular Meeting of January 17, 2018 and  
Special Meeting of February 8, 2018

2.c. Approval of Public Member Appointments to Community Relations Committee

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 emphasis placed on water conservation worldwide and the importance of making conservation a way of life to sustain our economy and environment.

PUBLIC  
PARTICIPATION  
(Item 3)

CPA Heidi Coppin with Tittle and Company provided an overview of the Independent Auditor's Report accompanying financial statements for Paradise Irrigation District, as of and for the year ending June 30, 2017. Their firm has issued an unmodified opinion, which means the financial statements are materially correct and comply with generally accepted accounting principles.

PRESENTATION:  
ANNUAL AUDIT  
REPORT FOR THE  
YEAR ENDED  
JUNE 30, 2017  
ACCEPTED  
(Item 4.b.)

One adjustment was posted to the financial statements. This is a routine adjustment made every year at the request of Manager Phillips, which is to record the change in the District's unfunded liability for Post-Employment Benefits for retiree health care benefits. For the period ended June 30, 2017, the adjustment was \$52,502. Heidi Coppin further added their firm does not have any audit findings or issues to address with the Board and thanked Kevin Phillips and District staff for their assistance.



CONTINUED:  
ANNUAL AUDIT  
REPORT FOR THE  
YEAR ENDED JUNE  
30, 2017 ACCEPTED

It was moved by Director Rice and seconded by Director Jacobson to accept the Auditor's Report as presented for the year ending June 30, 2017.

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

**Motion passes 5-0**

PRESENTATION:  
PID SUMMARY OF  
WATER RIGHTS &  
PENDING ACTIONS  
(Item 4.a.)

Consultant Paula Whealan with Wagner & Bonsignore provided a presentation summarizing sources of water and claims of right in the State of California, as well as an overview of Paradise Irrigation District's water rights and pending actions and status of petitions filed in 2007 with the State Water Resources Control Board.

PID has three water rights summarized below (Butte Creek Adjudication Pre-1914 water right, and two water right permits with the earliest permit issued in 1916 and the second in 1965):

Pre-1914 Appropriative Right (PID's most senior right):

Amount: 8 cubic feet per second (about 3,600 gallons per minute); Rate not to exceed 4.5 cfs at place of use.  
Source: Butte Creek at Magalia Dam (direct diversion only – not storage)  
Purpose: Domestic, Stockwatering & Irrigation  
Place of Use 11,250 acres within PID boundaries

Water Right Permit 271 (Priority of Right: 1916):

Permit Amounts: 9,500 acre-feet diversion to storage: 6,700 acre-feet allowed in Paradise Reservoir; 2,800 acre-feet allowed in Magalia Reservoir  
Purpose: Municipal, Irrigation, Industrial & Recreation  
Place of Use: 11,100 acres within PID boundaries

Water Right Permit 16040 (Priority of Right: 1965):

Permit Amount: 8,800 acre-feet for storage in Paradise Reservoir  
Diversion Season: October 1 to May 31  
Purpose of Use: Municipal, Industrial, & Recreation  
Place of Use: 11,100 acres within PID boundaries

Pending Petitions filed with the State Water Board in 2007:

Permit 271: A license has been requested for the maximum annual beneficial use of 7,291 acre-feet. This Petition also requests the addition of Direct Diversion as a Method of Diversion, addition of Point of Diversion for the Raw Water Bypass Facility, addition of hydropower as a Purpose of Use, and change in Place of Use to include 35,000 acres (to include Del Oro Water Co. Limesaddle, Paradise Pines and Magalia Districts).

Permit 16040: A Petition for Extension of Time seeks 25 additional years (from time of issuance) in which to increase storage at Paradise Reservoir and restore storage at Magalia Reservoir. The total ultimate storage capacity of Paradise and Magalia Reservoirs under both Permits not to exceed 18,300 acre-feet. This Petition also requests the addition of Direct Diversion as a Method of Diversion, addition of Point of Diversion for the Raw Water Bypass Facility, addition of hydropower as a Purpose of Use, and change in Place of Use to include 35,000 acres.

Status of Environmental Review: In 2010, PID circulated a Notice of Preparation of an Environmental Impact Report and Draft Initial Study in connection with the 2007 water right petitions, and comments were received. After consultation with the State Water

Board staff, PID made amendments to the original 2007 Petitions to include a Request to License for Permit 271. Changes in place of use and beneficial use amounts were also made to the project. PID is waiting for the State Water Board to provide a draft license for Permit 271. The District's environmental consultant, DeNovo Planning Group, is revising the project description to incorporate changes. PID will recirculate the Notice of Preparation of the Environmental Impact Report (EIR) and is hopeful we can adopt the EIR in 2019 and the State Water Board can issue the permits in 2019.

CONTINUED –  
PRESENTATION:  
PID SUMMARY OF  
WATER RIGHTS &  
PENDING ACTIONS

President Wentland called for a Board recess at 8:22 p.m.

BOARD RECESS

President Wentland reconvened the regular meeting at 8:28 p.m.

MEETING  
RECONVENED

Board members reviewed Staff and Billing Reports for the month of January, 2018. It was moved by Director Rice and seconded by Director Sulik to accept the Staff and Billing Reports as presented.

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

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

NOES: None

ABSENT: None

**Motion passes 5-0**

The Board reviewed a written report from Interim Manager Phillips. Additional comments included: 1) Process Water Recycle Project – A preliminary mixing zone and dilution credit evaluation for aluminum and dichlorobromomethane (DCBM) has been conducted by the District's consultant; and 2) Spillway Investigation - The District is soliciting proposals from engineering firms involving the preparation of dam-break inundation studies for Paradise Dam and Magalia Dam.

DISTRICT  
MANAGER'S  
REPORT  
(Item 6.)

Board members reviewed a written Treasurer's Report for the period ending January 31, 2018. Discussion included an update under capital projects to update the total project cost for the Reservoir "B" Replacement Project, and adjusting the costs for storage tank rehabilitation based on the January, 2018 condition assessment performed by Harper & Associates Engineering of the three water storage tanks C, D, and E.

TREASURER'S  
REPORT ACCEPTED  
FOR PERIOD  
ENDING  
JANUARY 31, 2018  
(Item 7)

It was moved by Director Rice and seconded by Director Jacobson to accept the Treasurer's Report for the period ending January 31, 2018.

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 January, 2018. It was moved by Director Sulik and seconded by Director Rice to approve General Fund Check Numbers 51470 through 51576 for the month of January, 2018 totaling \$576,037.20, exclusive of voided check number 51557, and authorization of a similar amount allowing or adjusting for extraordinary budget or Board approved items during the month of February.

APPROVAL OF  
JANUARY, 2018  
CHECKS  
(Item 8)

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

NOES: None

ABSENT: None

**Motion passes 5-0**

LEGAL REPORT  
(Item 9)

Attorney Emily LaMoe provided an update regarding the California WaterFix (Twin Tunnels Project), and the Public Records Act Request regarding long-term conservation mandates. Additional discussion addressed potential risks associated with expanding services to fix leaks beyond the meter such as liability, potential Prop. 218 challenge and cost benefit analysis to determine whether you would have to increase your crew and any bargaining that is associated with changing the employees' scope of work. If this is something the Board is serious about pursuing, the next step would be to formulate a plan.

UNFINISHED  
BUSINESS:  
  
AMENDMENT  
ADOPTED TO PID  
PUBLIC COMMITTEE  
MEMBER POLICY –  
CHAPTER 2.27  
(Item 10.a.)

Manager Phillips reported Legal Counsel has incorporated the changes to Chapter 2.27 - PID Public Committee Member Policy as recommended at the January 17, 2018 Board of Directors meeting. It was moved by Director Rice and seconded by Director Kellogg to adopt the amendments to Chapter 2.27 of the PID Policy and Procedures Manual as presented.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None  
**Motion passes 5-0**

NEW BUSINESS:

PURCHASE OF  
FORD F-150  
VEHICLE  
APPROVED  
(Item 11.a.)

Board members reviewed quotations received for the purchase of a 1 ton 4 wheel drive truck as funded in the 2017/18 Budget. This vehicle purchase will ultimately replace a 1992 GMC 3500 truck, which will be presented as surplus at a future Board meeting.

It was moved by Director Jacobson and seconded by Director Rice to authorize the Interim District Manager to direct appropriate staff to purchase the 2018 Ford F-150 X1E XL 4WD Super Cab from Elk Grove Ford (State Contract) in the amount of \$30,878.19.

AYES: Directors Sulik, Rice, Jacobson, Kellogg, and Wentland  
NOES: None  
ABSENT: None  
**Motion passes 5-0**

CRESTVIEW /  
CRESTWOOD  
PIPELINE PROJECT  
MATERIALS  
PURCHASE  
APPROVED  
(Item 11.b.)

Staff reported receiving bids regarding pipe, fittings and related materials for the Crestview / Crestwood Drive water main upgrade project. Bids for this project were submitted by R&B Company, Pace Supply, and Ferguson, Inc. Director Sulik indicated a cost savings may be gained by informing vendors the lowest price for each item will be considered. Staff noted inventory purchases are managed a little differently; however, the District's practice has been to bid and receive materials for large pipeline projects as one package.

It was moved by Director Jacobson and seconded by Director Rice to authorize the Interim District Manager to direct appropriate staff to cause the purchase of materials as bid for Job No. 18-01 from Pace Supply in the amount of \$48,963.45.

AYES: Directors Sulik, Rice, Jacobson, and Wentland  
NOES: Director Kellogg  
ABSENT: None  
**Motion passes 4-1**

PID DRONE USE  
POLICY ADOPTED  
(Item 11.c.)

Information Systems Manager Mickey Rich reported the District purchased a drone to enhance operations in August 2017. The proposed policy is intended to establish the rules for the use of unmanned aerial systems (UAS) including retrieval and dissemination of images and data captured by the UAS. This policy applies to the use

of UAS by Paradise Irrigation Departments and Paradise Irrigation District contractors.

CONTINUED – PID  
DRONE USE POLICY

It was moved by Director Sulik and seconded by President Wentland to adopt the Paradise Irrigation District Drone Use Policy as presented.

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

NOES: None

ABSENT: None

**Motion passes 5-0**

Manager Phillips reported the proposed Amendment No. 1 to the Funding Agreement with the State Water Resources Control Board (SWRCB) for the Reservoir “B” Replacement Project increases the original funding amount from \$500,000 to \$800,000 and extends the Planning Schedule time in the original agreement by six months. The increase was necessary due to additional scope of work regarding the A Zone pipeline and pump station to correct system-wide hydraulic deficiencies and constraints relative to the operation of the existing Reservoir “B”.

DRINKING WATER  
STATE REVOLVING  
FUND PROJECT  
AMENDMENT NO. 1:  
PLANNING LOAN  
FUNDING  
AGREEMENT FOR  
RESERVOIR “B”  
REPLACEMENT  
(Item 11.d.)

It was moved by Director Jacobson and seconded by Director Rice to approve the State Board's Drinking Water State Revolving Fund Agreement Amendment No. 1 for the Reservoir “B” Replacement Project, and authorize the Interim District Manager to execute the amendment document.

AYES: Directors Sulik, Rice, Jacobson, and Wentland

NOES: Director Kellogg

ABSENT: None

**Motion passes 4-1**

Manager Phillips reported the CPA Firm of Turner, Warren, Hwang & Conrad (TWHC) issued their independent report regarding the corrective actions made by FTJ concerning vendor fee overcharges to participant accounts. TWHC determined that FTJ's self-correction method adequately compensated participants and no adjustment needs to be made. One finding was noted by TWHC as follows: The plan documents for the 401(a) states that the District will match 3% of the employee's contribution into their 457. The document should state the District will match 100% of the employee's contribution into their 457 up to 3%. The District has been managing contributions correctly and has confirmed this correction for plan documents with ICMA, the District's new Retirement Plan Provider.

INDEPENDENT  
RETIREMENT PLAN  
AUDIT REPORT  
FROM TWHC RE:  
VENDOR FEE  
OVERCHARGES  
ACCEPTED  
(Item 11.e.)

It was moved by Director Jacobson and seconded by Director Rice to accept the Independent Accountant's Report prepared by TWHC regarding Paradise Irrigation District's 401(a) and 457 employee benefit plans on vendor fee overcharges during the period from August 2013 to November 2016.

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

NOES: None

ABSENT: None

**Motion passes 5-0**

Director Kellogg commented on the December 20, 2017 Board decision to dissolve and consolidate functions of certain committees, which included changing the title of the Paradise Lake Recreation Committee to Paradise Lake Committee. Director Kellogg added recreation is an integral part of the lake and therefore, he recommends changing the committee name as originally titled to, “Paradise Lake Recreation Committee.”

PARADISE LAKE  
COMMITTEE TITLE  
(Item 11.f.)

CONTINUED –  
PARADISE LAKE  
COMMITTEE TITLE  
CHANGE

It was noted “recreation” had been removed from the title to encompass the work of the Water Supply and Lakeridge Park Botanical Committees, which were consolidated with this committee.

It was moved by Director Kellogg and seconded by Director Jacobson to change the committee name from Paradise Lake Committee to “Paradise Lake & Recreation Committee.”

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

NOES: None

ABSENT: None

**Motion passes 5-0**

COMMITTEE  
REPORTS  
(Item 12.a.1. to 4.)

Ad Hoc Demonstration Garden Committee: Board members received a written report in the agenda packet summarizing the meeting on February 8, 2018 to discuss progress and planning for the demonstration garden. The next meeting is scheduled on Friday, February 23, 2018 at 9:00 a.m.

Paradise Lake Committee: Director Sulik distributed a written summary of the February 14 meeting. He indicated that committee member Steve Rodowick reported the Paradise Recreation & Park District has passed a resolution in support of California Proposition 68; Parks, Environment, and Water Bond, which is on the ballot (June 2018). Mr. Rodowick submitted a request to present this information to the PID Board of Directors to consider passing a similar resolution in support of Prop. 68. This topic will be placed on the agenda for the March 21<sup>st</sup> Board of Directors meeting for discussion.

North State Economic Forecast Conference: Director Kellogg provided a brief overview of the conference held on January 18.

Butte County Special Districts Association (BCSDA): Director Sulik announced the BCSDA Executive Board meeting was postponed as a quorum was not present. The meeting has been rescheduled to Friday, February 23.

DIRECTORS’  
COMMENTS

Director Kellogg: Commented about not being as prepared for the meeting this evening due to a family health matter.

ADJOURNMENT

It was moved by President Wentland to adjourn the meeting. The regular meeting was adjourned at 10:21 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: Kevin Phillips, Interim District Manager  
Jim Passanisi, Treatment Superintendent**

**DATE: March 21, 2018 (Board of Directors Regular Meeting)**

**RE: Annual Purchase of Rainbow Trout for Stocking Paradise Lake -  
Bid Results**

The District purchases rainbow trout from a registered aquaculturist (hatchery) each year, and will stock the trout at Paradise Lake the week prior to Kid's Fishing Day on April 21, 2018. The trout are purchased in two categories, namely catchable and trophy. Depending on the hatchery, catchable trout range in size from ½ to 2 pounds, and trophy trout from 2 to 6 pounds.

This year, the Kid's Fishing Day Planning Committee recommended a trout purchase of \$10,500 based on available funds that include the following:

1. \$2,500 grant from the Butte County Fish and Game Commission, which is restricted to purchasing only catchable trout; and
2. \$8,000 in the District's Save-a-Can Buy-a-Fish Fund, which is dedicated for purchasing trout. Only trophy trout are recommended this year.

As in most years, the California Department of Fish & Wildlife (CDFW) confirmed the District will receive a state stocking allocation of 6,000 pounds of catchable trout (<3/4 lb each), or about 8,000 to 10,000 fish. The fish will be planted in three, 2,000 pound deliveries on April 18<sup>th</sup> just prior to Kid's Fishing Day, and on May 9<sup>th</sup> & May 30<sup>th</sup>. Therefore, each delivery includes about 3,000 catchable sized trout. The value of fish at \$3.90 per pound is \$23,400.

The large quantity of smaller catchable trout will improve a kid's probability of catching a fish during the event. The trophy trout help enhance both the kid's event and the lake's fishing experience for all ages throughout the remainder of year.

### **Review of Hatcheries Selling Trout and Bid Solicitation:**

Each year the CDFW updates a list of Registered Aquaculturists (i.e., hatcheries) that rear rainbow trout for sale. Five hatcheries were contacted in the region, and one in Oregon. See Bid Solicitation attached. Three bids were received.



<b>Bid Summary:</b>	<u>Desert Springs</u>	<u>Calaveras</u>	<u>Mount Lassen</u>
Catchable Pricing:	\$3.90/lb	\$4.50/lb	\$3.96/lb
Total Catchable Fish (est.):	350 Fish	555 Fish	1,860 Fish
Total Catchable Pounds:	640 lbs	555 lbs	2,300 lbs
 Trophy Pricing:	 \$4.50/lb	 \$5.50/lb	 \$3.96/lb
Total Trophy Fish (est.):	540 Fish	400 Fish	120 Fish
Total Trophy Pounds:	1,775 lbs	1,454 lbs	350 lbs
 Catchable Cost:	 \$2,496	 \$2,500	 \$9,108
Trophy Cost:	<u>\$7,987</u>	<u>\$8,000</u>	<u>\$1,386</u>
Total Purchase:	\$10,483	\$10,500	\$10,494

The committee recommends purchasing from Desert Springs Trout Farm based on the following:

1. The breakdown of cost and size conforms to the committee's recommendation (i.e. 76% trophy and 24% catchable). Mount Lassen's policy per order is to provide about 10% trophy and 90% catchable;
2. The 3,000 (est.) CDFW catchable trout planted prior to the event, and the 6,000 (est.) planted after the event outweigh the need to buy more catchable trout;
3. Larger number of trophy trout - 540 fish vs. 120 fish from Mount Lassen;
4. More pounds of trophy trout - 1,775 lbs. vs. 350 lbs. from Mount Lassen; and
5. Lowest cost per pound for catchable trout compared to Mount Lassen.

Action requested:

***“Authorize the annual purchase of rainbow trout from Desert Springs Trout Farm in the amount of \$10,483.”***



## **PARADISE IRRIGATION DISTRICT**

6332 Clark Road \* Paradise, California 95969 \* Phone 530-877-4971 \* Fax 530-876-0483

### **2018 Bid Solicitation**

The Paradise Irrigation District (PID) is requesting bids from private trout hatcheries to purchase catchable and trophy trout.

1. **Qualification:** 2017 Registered Aquaculturalist - Rainbow Trout Hatchery
2. **Questions and/or to Submit Bid via e-mail to:** [jpassanisi@paradiseirrigation.com](mailto:jpassanisi@paradiseirrigation.com)  
  
Jim Passanisi, Paradise Irrigation District; 6332 Clark Rd., Paradise, CA 95969  
Office: 530-876-2067    Cell: 805-814-5466    FAX: 530-877-4113
3. **Bid Due Date:** March 2, 2018, or sooner.
4. **Maximum Purchase:** Not to exceed \$10,500; Check on Delivery.
  - a. \$2,500 - Catchable size
  - b. \$8,000 - Trophy size
  - c. or, \$10,500 per your company policy
5. **Invoice catchable and trophy trout separately in the approximate amounts indicated above,**
6. **Catchable and trophy trout of various sizes per your company policy.**
7. **Bid Information Required:**
  - a. **Provide Name of Hatchery, and Registration No. of Aquaculturalist:**
  - b. **Provide the following for each size: 1. cost per pound, 2. total pounds, 3. approximate number of fish, and 4. include shipping and tax.**
    1. **Catchable:**
    2. **Trophy:**
8. **Arrangements for Delivery - Contact Person:** Greg Dobbs - Cell 530-228-6847
9. **Delivery Location & Date:** Paradise Lake - Paradise Lake Boat Launch Ramp; south end of Northlake Road; Magalia CA 95954; date to be determined, but no later than April 19, 2018.





## 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 Passanisi – Water Treatment Superintendent  
Bill Taylor – Water Treatment Operations Supervisor**

**Date: March 21, 2018 (Regular Board Meeting)**

**Re: Purchase Spare Hach Turbidimeter**

Last week one of our original (1995) Hach 1720C turbidimeters stopped working and needed immediate replacement (See Photo Attached). For this, we keep one spare turbidimeter on hand due to regulatory compliance. We need to purchase a spare turbidimeter to replace the one recently used.

The 1720C is obsolete and no longer in production. The turbidimeter now sold by Hach is the TU-5 series. We need to purchase one TU 5300 SC head and one SC200 controller. A maintenance kit is required to take care of and calibrating the new type of turbidimeter. Pricing below was obtained from dealers of Hach instruments:

1. USA Bluebook

TU 5300 SC Turbidimeter	\$2,130
SC 200 Controller	\$1,965
Maintenance Kit	<u>\$1,295</u>
Total:	\$5,380 (plus shipping & tax)

2. Hach USA

TU 5300 SC Turbidimeter	\$1,903
SC 200 Controller	\$1,965
Maintenance Kit	<u>\$1,117</u>
Total:	\$4,985 (plus shipping & tax)

Requested Action:

Authorize the purchase of a spare turbidimeter from Hach USA at a cost of \$4,985, plus shipping & tax.

## Turbidimeter Replaced Quickly with a Spare on Hand





## 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 Passanisi - Water Treatment Superintendent  
Bill Taylor - Water Treatment Operations Supervisor**

**Date: March 21, 2018 (Regular Board Meeting)**

**Re: Purchase of Chlorine Analyzer Replacement**

The Treatment Plant has three chlorine residual analyzers. The first analyzes chlorine as raw water comes into the plant (pre-analyzer), the second as water comes off the gravity filters (FW1), and the third analyzer as water is sent to town (FW2 - Photo Attached). After a recent power outage, chlorine analyzer FW2 experienced a couple of failures. Plant operators were able to get it up and running; however, the unit is original to the plant (1995) and should be replaced due to the issues we have had, and replacement parts are no longer available.

In 2010 we replaced the pre-analyzer. At the same time we added the FW1 chlorine analyzer. A Wallace & Tiernan (WT) MFC analyzer with Depolox 5 units was purchased (See Photo Attached). Borges & Mahoney, our area representative for Wallace & Tiernan was contacted and confirmed that the MFC analyzer is still in production, and would be best for our use. We recommend the purchase of the following from Borges & Mahoney:

1 – Wallace & Tiernan MFC Analyzer	\$4,000
1 – Depolox 5 Cell for Free Chlorine	<u>\$1,892</u>
Total	\$5,892

Borges & Mahoney is the sole supplier for this equipment as they are the WT representative for our area. Another chlorine analyzer supplier is Hach that sells the CLF10sc, which costs \$4,417, but that would leave us with a different brand of equipment. There are benefits of keeping all the equipment the same (i.e. standardized), since similar equipment goes through the same calibration procedure, and in the event of a failure, components can be moved between units and put back online.

**Action Requested:**

Authorize the purchase of a Wallace & Tiernan MFC analyzer with Depolox 5 Cell for Free Chlorine unit from Borges & Mahoney at cost of \$5,892, plus tax and shipping.

**Existing (1995) Obsolete Chlorine Analyzer (FW2) to Replace**



**2010 Chlorine Analyzer (FW1 - Right), and  
Back of the 1995 Chlorine Analyzer (FW2 - Left)**





**STAFF REPORT  
FIELD OPERATIONS  
FEBRUARY 2018**

**TRANSMISSION & DISTRIBUTION**

**MAINTENANCE WORK**

- Crews have been taking care of leaks/maintenance issues.
- 3 Mainline leaks were repaired this month.
- 580 Firefly's have been replaced this month.
- 2 service lines were repaired/replaced this month.
- System wide flushing started this month.
- 1 hydrant was repaired 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 470 Boaz Ct. (Anderson's Scmale Lane project)

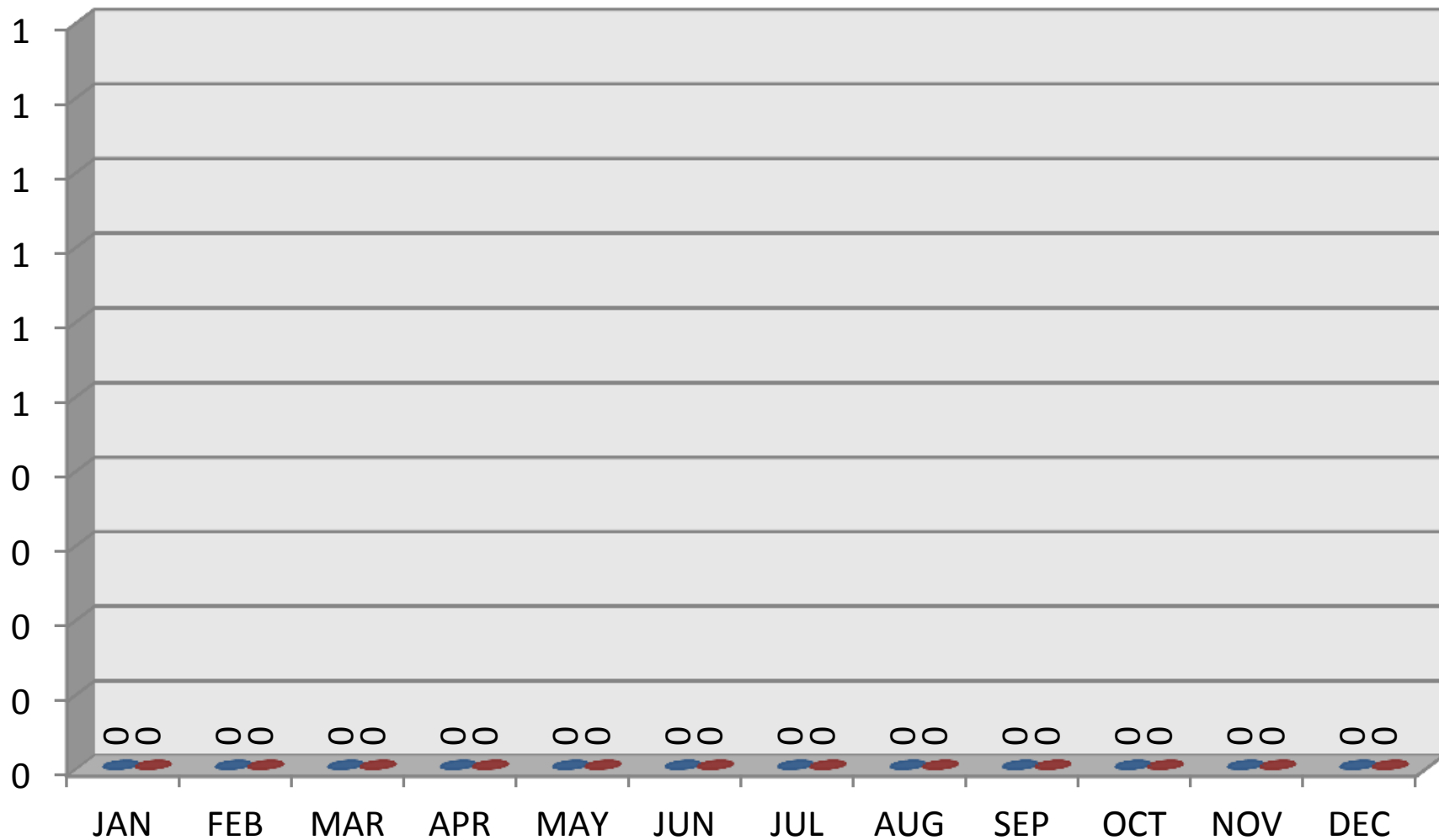
**CRESTVIEW/CRESTWOOD PIPELINE PROJECT**

- Project is in beginning stages. Planning/pot-hole work.

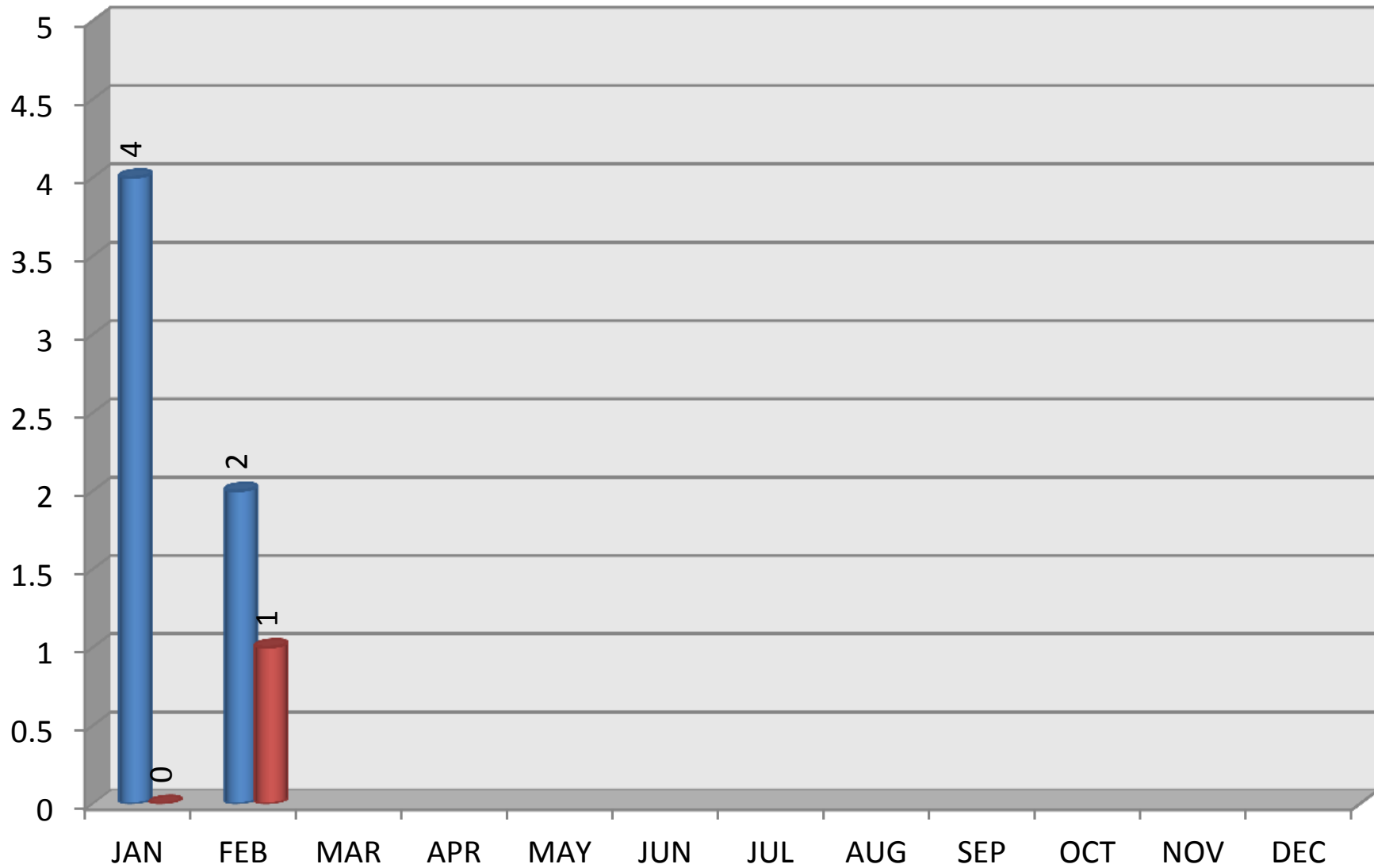
**SUMMARY**

- We are in the beginning stages of plans/lay out for the Crestview/Crestwood pipeline project. Letters were delivered by hand to all the customers that will be affected explaining the process. Old 4" and 2" steel pipe currently feed this entire neighborhood. The majority of these mains are in the backyards of several homes with minimal fire protection/flow. Approximately 3,000 feet of 8" C-900 will be installed. Six residential hydrants will be placed throughout, along with new service lines. Twelve customers currently have meters in their back yards, which will be relocated in front of their homes. This project will be beneficial to all for a multitude of reasons.
- Three new Utility Workers started in mid-January. Two of the three have recently passed their drive test/skills with a DMV tester and are the proud owners of their CDL licenses. Pete Grout, who is one of our Crew Leaders, has been instructing/training our new employees for many years to prepare them for taking the drive/skills test in Redding or Yuba City. Our drivers need a minimum of 40 hours behind the wheel in a Class A vehicle toeing a flatbed trailer and fine tuning the skills required to pass with a DMV instructor in the cab. Pete has done a great job preparing our drivers. The last employee is scheduled to test in mid-April.
- We are assisting the meter shop with the firefly replacements. 2-4 of our utility workers are teaming up with the change outs to insure our system is operating properly on a daily basis.
- We have been working on our valve program, locating missing and or covered valve cans, exposing them, exercising, and taking R.P's (reference points for mapping) when necessary.
- We continue to take care of the daily needs of the District and maintenance issues providing excellent customer service.

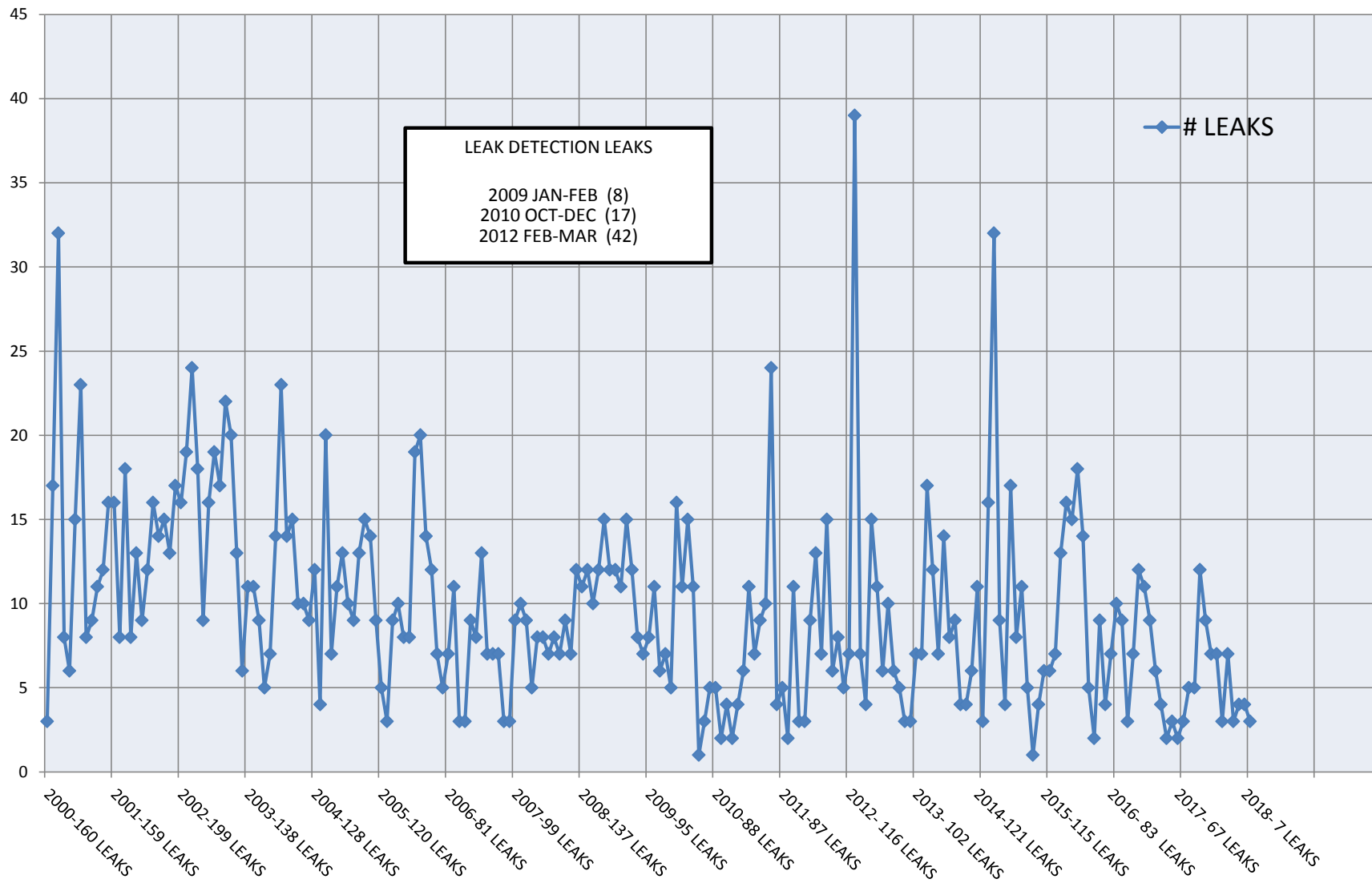
# MONTHLY PIPE INSTALLATION 2018, TOTAL INSTALLED FT.



## 2018 METER WORK: 6 REPLACED; 1 NEW

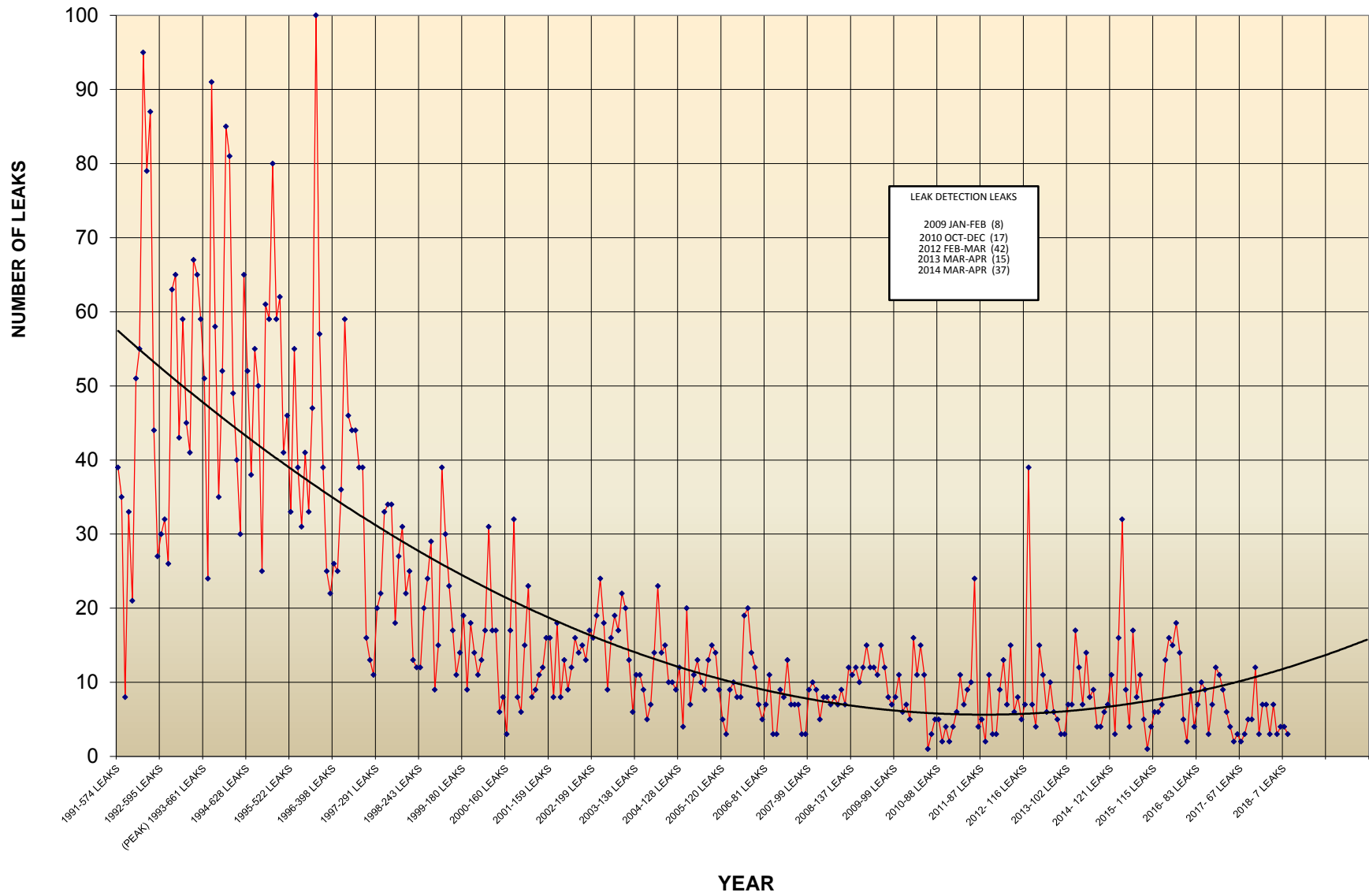


## # MAINLINE LEAKS

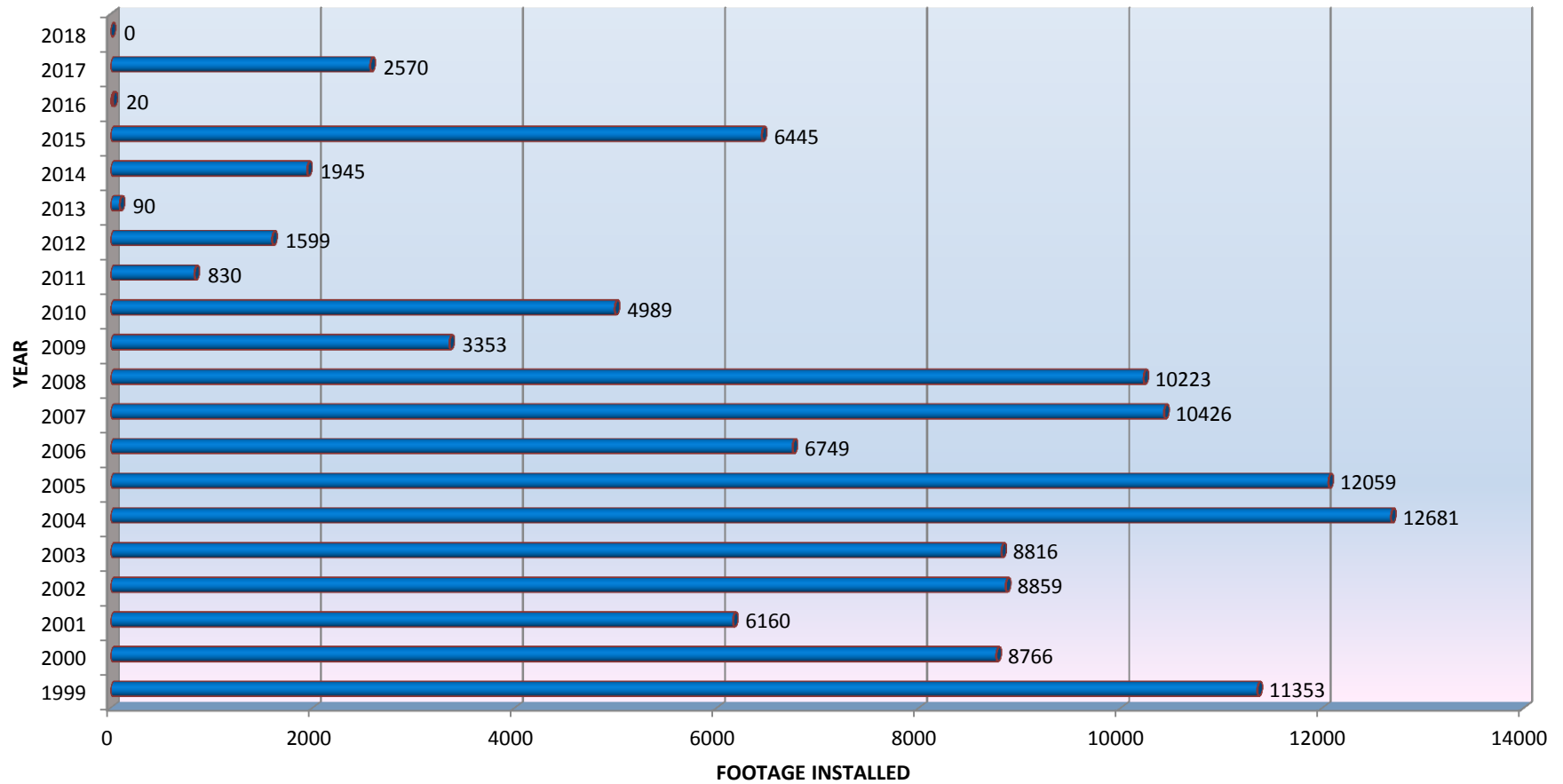




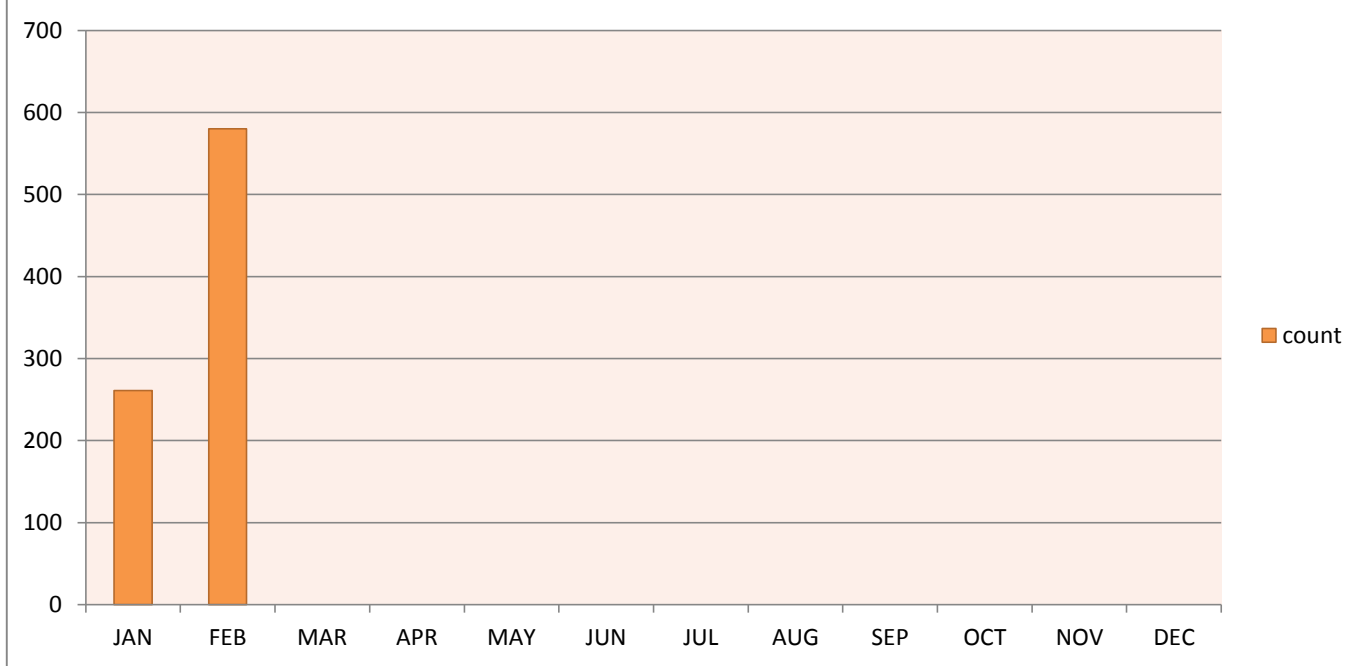
## MONTHLY LEAK HISTORY 1991 TO PRESENT



## PIPELINE INSTALLATION HISTORY



# FIREFLY REPLACEMENTS 2018



TYPE PIPE	FEET	MILES	%
Asbestos Cement	91375	17.31	10.0%
Ductile Iron	2191	0.41	0.2%
C-900 PVC 4" to 12"	281308	53.28	30.9%
Cast Iron	1780	0.34	0.2%
Cement Mortar Lined	175060	33.16	19.2%
Galvanized 1.5"- 2"	13568	2.57	1.5%
PVC 1"-2"	38482	7.29	4.2%
Steel 4"-12"	300665	56.94	33.0%
C-905 14" & greater	6288	1.19	0.7%
TOTAL PIPE	910717	172.48	100.0%
Adjustments are made in January of each year			

**TREATMENT - STAFF REPORT**  
**February 2018**

**SUPPLY & QUALITY:**

(See Attached Graphs)	Feb. 2018	Feb. 2017	Feb. 6 yr. Avg.
Monthly Production (Million Gallons - MG)	73.4	55.0	68.8
	Range	Average	
Plant Production (MGD)	2.1 – 3.0	2.6	
Raw Water Turbidity (NTU)	0.42 – 0.78	0.56	
Treated Water Turbidity (NTU)	0.04 – 0.04	0.04	
Treated Water Chlorine (ppm)	0.88 – 1.51	1.09	

**WATER TREATMENT:**

- **Plant Production and Water Quality:** Average production increased to **2.6 MGD** from **2.2 MGD** last month. Magalia Reservoir is raw water source for treatment to conserve water in Paradise Lake. The raw water quality has remained consistent through the winter months.
- **Monthly Residential Water Conservation:** 4% reduction comparing production in February 2018 – **73.4 MG** to February 2013 – **76.1MG**.
- **Emergency Response Planning:** Planned and facilitated a SEMS/ICS orientation and EOC table top exercise with management personnel (See attachment), and prepared a draft After-Action list of items for follow-up prior to the next ERP EOC planning meeting (See attachment).
- **Plant & Distribution Operations:** Obtained another five (5) gallon sample of rain impacted raw water for SANCO Chemical Solutions polymer coagulation testing.
- **PGE Energy Conservation Assessment:** Met with PGE Feb. 15 to evaluate energy reduction at the treatment plant and potential rebate retrofit programs; scheduled a lighting assessment for March 2<sup>nd</sup>.
- **Reservoir “B” Replacement; A Zone Pipeline & Pump Station:** 60% design comments were incorporated in the plans and specifications. Waterworks is moving on to the 90% design phase scheduled for completion in April. Easement acquisition is underway from the property owner and the County for the A Zone Pipeline along Skyway. \$12M SRF Construction Loan Application preparation is underway, which includes a \$2.5M contingency. The \$800,000 SRF Planning & Design Loan agreement was authorized and amended.
- **Rehabilitation of C Tank and Cathodic Protection:** Harper and District Staff are working on Bid documents. Project bidding planned for mid-summer.
- **NPDES Permit Renewal Assistance:** Work in progress by Waterworks and Larry Walker. Meeting was re-scheduled to Feb 13<sup>th</sup> to discuss mixing zone and dilution credit evaluation, and potentially less stringent discharge limits in a renewed permit. Consultants and Staff are in the process of finalizing the memo that will eventually be reviewed with the State Water Board staff.
- **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: SRF indicated District qualifies to receive \$500,000 for “Green Project Reserve” principal forgiveness for planning & design cost recovery; received the SRF management approval checklist that justifies the amount. See attachment; Section 1.D.
- **CalOES/FEMA Grant:** All information requests were provided to CalOES/FEMA. 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. One of the plant's turbidity units failed (Filter No. 1); replaced it with a spare in storage; obtained bids and requested purchase of a spare for future immediate replacement (See photo attached). One of three chlorine analyzers (Finished Water No. 2) is having failures and parts availability problems; requested sole source purchase to replace the obsolete unit with a Wallace & Tiernan analyzer similar to the other unit in use. (See photos attached).

**RECREATION:**

- **Lake Activities:** See attached Parking & Boating Permit Sales Chart & Table. Staff re-attached the Paradise Lake Spillway boom to east shoreline.
- **DBW North Lake Boat Launch Grant Project:** Waiting for DBW's response to District's concerns. DBW requested the District execute pending Grant Agreement Amendment No. 2, extending the project completion date to Feb 1, 2019.
- **BC Fish & Game Commission Grant:** Received \$3,000 grant to purchase catchable trout for stocking lake prior to Kids Fishing Day in April 2019. \$2,500 grant for April 2018.
- **Kids Fishing Day Planning Committee:** Next meeting March 13<sup>th</sup>. Mr. Dave Berman is assisting with the development of a future event poster and soliciting Ridge View High School support for the project, and volunteer assistance during the event. Committee is developing two new booth concepts to entertain the kids during the event (i.e., painting wood and photos).
- **Annual Trout Purchase:** Bids received March 2<sup>nd</sup>. Seeking Board approval on March 21<sup>st</sup> to make annual trout purchase.

**WATERSHED - SOURCE of SUPPLY: Monthly Rainfall = 1.05" during 4 days; Greatest Rain Day = 0.46"**

Paradise Lake Levels (feet)	2018 Feb. 28 @ + 0.1	2018 Jan. 31 @ - 0.1	2017 Feb. 28 @ + 0.9'
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- **CalFire Service Crews:** Completed vegetation removal around treatment plant, both dams, and along Little Butte Creek near our facilities.
- **Paradise Ridge Fire Safe Council:** Monthly meeting was canceled.
- **Little Butte Creek Phase II Shaded Fuel Project:** Project is still underway.

## **2018 Emergency Response Exercise** **SEMS and ICS Orientation the “Paradise Way”** **& Table Top Scenario**

Scenario: At 9AM February 28, 2018 a 9.0 earthquake occurred east of San Francisco Bay area, east of Hayward. Treatment staff initiated an inspection of the dams per the DOSD requirement regarding the distance of the epicenter to the plant and magnitude. PGE power is off in the communities of Paradise and Magalia. The Corp Yard/Office and plant's emergency generators are working. Plant SCADA is working, except for communications with Pump Station No. 2 and the tanks. The condition of the District's facilities, distribution system and water storage tanks have not been assessed. Water quality does not appear to be impacted at this time pending a comprehensive assessment of the water system. Several structure fires are occurring in the Town of Paradise.

The Emergency Response Plan (ERP) provides guidelines and resources to assist with response and recovery from a major water system emergency. Progress with response and recovery depends on specific SEMS/ICS action plans prepared and actions taken in the Emergency Operations Center (EOC). Does the District activate the EOC?

Keep in mind the following: 1. Communications & Coordination; 2. What types of situations are going on? 3. What have you got? and 4. What do you need?

The purpose of the exercise is to accomplish the following:

1. Review Emergency Response Plan (ERP).
2. Discuss elements of Standardized Emergency Management System (SEMS) as it relates to PID; field response; operational area; Incident Command Structure (ICS); multi/inter-agency coordination; mutual aid **(ERP Sections 4 & 7; 8)**.
3. Establish ICS structure appropriate for the event scenario, and assign primary and secondary managers to each section (i.e. command; planning/intelligence; logistics; operations; and finance). Assign safety & PIO roles and responsibilities as needed **(ERP Sections 4 & 7; 8)**.
4. Determine what drinking water contamination may or may not occur, and mitigate public health risks **(ERP Section 7; AP6A – AP6C; Appendices D & E)**.
5. Discuss and evaluate potential dam problems/failures that may occur **(ERP AP1 & AP2)** and what actions we would take if any occurred.
6. Discuss types of distribution system and water service disruption that may occur, and ways to minimize impacts on as many customers as possible **(AP 5)**.
7. Discuss how the Board; administrative; management; and field personnel will work together to respond to the emergency. Under what circumstances should the Board declare an emergency proclamation?
8. Post-exercise evaluation & revisions to ERP, etc.

**EMERGENCY OPERATIONS CENTER (EOC):**

The office conference or Board rooms are designated as the EOC. Determine the best modes of communications available at the time. If the communication mode is lost, make other arrangements to provide emergency communications with emergency response agencies. The ERP includes contact information for agency coordination.

**Appendix C.**

**DESIGNATE ICS PERSONNEL:** Establish lead and subordinate personnel in each ICS section, including chain of command with specific roles and responsibilities and span of control. **ERP Sections 4 & 7; 8.**

**RESPONSE PROCEDURES:** Personnel will, as quickly as possible accomplish the following:

- A. Determine the status of other employees;
- B. Assess and document damage to water system facilities;
- C. Provide logistics for emergency repairs;
- D. Monitor and document progress of repairs and restoration efforts;
- E. Communicate with health officials and water users according to the "DDW Emergency Notification Plan"; and
- F. Document damage, repair, and costs.

**INVENTORY OF RESOURCES:** determine resources to be used or that are needed to restore operations to normal; including maps and schematic diagrams of the water system, lists of emergency equipment, equipment suppliers, and emergency contract agreements if practical. **ERP Section 3.9.**

**SEMS AGENCY COORDINATION:** Coordination is a necessary objective of ICS with governmental agencies for health and safety protection; technical, legal, and financial assistance, and public notification procedures. **ERP Section 4.**

**WATER QUALITY PUBLIC NOTIFICATION:** Determine appropriate public notice procedures to communicate with customers and regulatory agencies regarding the condition of the water system. Modify customer notification with specific information depending on the nature of the emergency. One person should be designated to coordinate with DDW, the County's Public and Environmental Health Departments. ICS command shall coordinate with the Town of Paradise EOC. Notice must be given directly to a person. Standard public notifications include the following:

- A. Precautions during a water outage or low pressure problem
- B. Boil Water Order (i.e. bacteria)
- C. Do Not Drink (i.e. inorganic chemical)
- D. Do Not Use (i.e. volatile organic chemical)

**DOCUMENTATION:**

ICS personnel shall document specific actions continually throughout response and recovery from the event in as much detail as possible.





## PARADISE IRRIGATION DISTRICT

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

**TO: Management Team**

**FROM: Jim Passanisi, Treatment Superintendent**

**DATE: February 30, 2018**

**RE: DRAFT - SEMS/ICS Orientation and Table Top Exercise (2-28-2018)  
After-Action Report**

List of items for consideration and further action include the following:

1. Training (See attachment - page 2 of 2) - Incident Command System (ICS) Courses for Managers: Online link to take courses is <https://training.fema.gov/nims/>. Take ICS 100 and ICS 700 classes, and when you have time, ICS 200. The County tries to offer ICS 300 at least once a year and ICS 400 at least once every other year. We are on the County's list to notify us when their trainings become available.
2. Prepare a diagram of the EOC setup: tables, phone system, computers, whiteboards, ICS section locations, etc.
3. EOC Telephone System (Ladrini & Rich): Establish procedures for Office phone relocation from desks to the EOC.
4. EOC Television or Monitors: Establish procedure for Computer monitors to be relocated from desks and connected to cable TV
5. EOC White Boards: Purchase two (2)
6. Emergency Response Plan (ERP) – Create Searchable Word Files (West & Rice) and print more ERP binders
7. ERP Update - Contact Info (everyone)
8. Radio System Optimization & Specifications: Truck and Treatment Plant Base Station (Ladrini)
9. Availability of County Office of Emergency Management Cal OES Grants for Equipment (Passanisi & Ladrini)
10. Beverage Company Contact Info for mass quantities of bottled water (Passanisi)
11. Upload Code Red app. to smart phones (everyone)

Page 1 of 2

12. Next Meeting Content: Progress regarding the After-Action list; invite additional office key staff to the next meeting.
13. Cal EMA and the governmental agencies in the state follow the National Incident Management System (NIMS) requirements to comply with the required training as listed below.



#### NIMS Compliance Training Reference Chart

Number of required courses increases with level of position responsibility	PERSONNEL Includes Federal/State/Local/Private Sector and non-Governmental Personnel	REQUIRED TRAINING Courses listed below in <b>BOLD ITALICS</b> currently required for NIMS Compliance
<b>ICS 400 (Command) Six Months after ICS 300 Completion</b>	<b>COMMAND AND GENERAL STAFF</b> Department heads with Multi-agency coordination system responsibilities, area commanders, emergency managers, multi-agency coordination center / emergency operations center managers	<ul style="list-style-type: none"> <li>• <b>FEMA IS 700a: NIMS, An Introduction</b></li> <li>• <b>FEMA IS 800b: National Response Framework (NRF)</b></li> <li>• <b>ICS 100: Introduction to ICS or equivalent</b></li> <li>• <b>ICS 200: Basic ICS or Equivalent</b></li> <li>• <b>ICS 300: Intermediate ICS or equivalent</b></li> <li>• <b>ICS 400: Advanced ICS or equivalent</b></li> <li>• <b>SEMS EOC/ Introduction to SEMS</b></li> </ul>
<b>ICS 300 / IS 800 SEMS EOC (Managers)</b>	<b>MIDDLE MANAGEMENT</b> Strike team leaders, task force leaders, unit leaders, division / group supervisors, branch directors, and multi-agency coordination center / emergency operations center staff	<ul style="list-style-type: none"> <li>• <b>FEMA IS 700a: NIMS, An Introduction</b></li> <li>• <b>FEMA IS 800 b: National Response Framework (NRF)</b></li> <li>• <b>ICS 100: Introduction to ICS or equivalent</b></li> <li>• <b>ICS 200: Basic ICS or Equivalent</b></li> <li>• <b>ICS 300: Intermediate ICS or equivalent</b></li> <li>• <b>SEMS EOC/ Introduction to SEMS</b></li> </ul>
<b>ICS 200 SEMS EOC (Supervisors)</b>	<b>FIRST LINE SUPERVISORS</b> Single resource leaders, field supervisors, and other emergency management / response personnel that require a higher level of NIMS training	<ul style="list-style-type: none"> <li>• <b>FEMA IS 700.a: NIMS, An Introduction</b></li> <li>• <b>ICS-100: Introduction to ICS or equivalent</b></li> <li>• <b>ICS-200: Basic ICS or equivalent</b></li> <li>• <b>SEMS EOC/ Introduction to SEMS</b></li> </ul>
<b>ICS 100 / IS 700 SEMS (Responders)</b>	<b>ENTRY LEVEL RESPONDERS &amp; DISASTER WORKERS</b> Emergency Medical Service, firefighting, law enforcement, hospital, public health, public works/utility, skilled support and other emergency management response, support & volunteer personnel at all levels	<ul style="list-style-type: none"> <li>• <b>FEMA IS 700.a: NIMS, An Introduction</b></li> <li>• <b>ICS-100: Introduction to ICS or equivalent</b></li> <li>• <b>Introduction to SEMS</b></li> </ul>

California recommends Standardized Emergency Management System courses at levels indicated.  
 FEMA Independent Study Program (for ICS/IS) courses can be found at: <http://training.fema.gov/IS/crslist.asp>  
 Standardized Emergency Management System courses can be found at: <http://www.calema.ca.gov/CSTI/Pages/SEMS-ACI-Training-Materials.aspx>

## CWSRF PLANNING/DESIGN REVIEW CHECKLIST

### SECTION I – PROJECT INFORMATION

#### A. General Project Information

Date Planning/Design application received: 7/13/2017

Recipient name: Paradise Irrigation District

Project name: Process Water Recycling Planning Project

Physical location of Project: 13888 Pine Needle Drive, Magalia, CA 95954

CWSRF Project No.: 8050-120

☒ Planning/Design Financial Assistance Application is signed by the authorized representative

#### B. Attachment Checklist

The following Technical items were submitted in the Planning/Design application package:

☒ 1 – Plan of Study

☒ 2.a – Certification for Compliance with Water Metering Form

Is the applicant an urban water supplier? ☒ YES ☐ NO

Is the Certification for Compliance with Water Metering signed by the Authorized Representative? ☒ YES ☐ NO

☒ 2.a – Compliance with Urban Water Use Reduction, Efficient Agricultural Water Management Practices, Urban Water Management Planning Act, and/or Agricultural Water Management Planning Act requirements, (if applicable) (☐ N/A)

☒ 3 – Regional Water Quality Control Board Requirements

- Waste Discharge Requirements, NPDES Permit or Water Recycling Requirements
- Amended Basin Plan or Total Maximum Daily Load
- Enforcement Orders

Comments: TSO R5-2010-0058-02

The following Financial Security items were submitted and delivered to Financial Security Review staff:

☒ 4 – Authorizing Resolution/Ordinance

☐ 5 – Relevant Service, Management, Operating or Joint Power Agreements ☒ N/A

☒ 6 – Audited Financial Statements

☒ 7 – Rate Adoption Resolution/Ordinance

☐ Applicant is a small disadvantaged community receiving 100% grant (Attachments 8 and 9 not required)

☒ 8 – Pledged Revenues and Fund(s) Resolution/Ordinance ☐ N/A

☒ 9 – Existing Related Debt   ☐ N/A

Additional Small Community Wastewater Checklist completed and included in Master File   ☐ YES   ☐ NO

Date Planning/Design application was considered complete: 8/15/2017

### C. Requested Project Financing

CWSRF Planning Financing Amount Requested: \$500,000

#### Proposed Planning/Design Work and Estimated Costs:

Preliminary Design Report*	\$150,000
Environmental Documentation and Permitting	\$200,000
Rate Study	\$0
Project Administration and Legal	\$0
Fiscal Sustainability Plan (FSP)**	\$0
Public Education and Outreach	\$0
CWSRF Construction Application Assistance	\$40,000
Other:	\$110,000

Comments: Other costs include Pilot Testing, Design Plans & Specs, Bid documents and Bidding Assistance.

\* Particularly for small communities, should always verify that they are considering consolidation or regionalization alternatives where appropriate. For projects considering septic-to-sewer conversion, should verify adequate public outreach budget, possibly including surveys to assess community interest, if not already completed.

\*\* Prior to funding for construction applicant will have to certify they are implementing an FSP, or a date by which they will be, so if they are not currently, recommend incorporating development of the FSP as part of the planning scope.

### D. Green Project Reserve (GPR)

Is the GPR applicable to this project?   ☒ YES   ☐ NO

1. PM has reviewed the GPR categories and percentages claimed by the applicant and discussed any adjustments with the applicant if appropriate?   ☒ YES   ☐ NO   ☐ N/A

Explain: The project incorporates water efficiency, energy efficiency, and environmentally innovative components consistent with the Green Project Reserve categories, 2.2-6, 3.2-1, and 4.2-4 respectively. The percentages claimed by the District are appropriate and based on the total planning and design cost. These percentages may need to be adjusted as the District makes progress on developing and selecting a project compliance alternative.

2. PM has confirmed the GRP eligibility of the project or components of the project are CWSRF eligible and that they are either Categorically Eligible or that an adequate Business Case was submitted?   ☒ YES   ☐ NO

Section 2.2-6 of the GPR guidance document states that categorical projects are "recycling and water reuse projects that replace potable sources with non-potable sources." Water savings would be achieved by recycling wastewater for potable reuse. Instead of surface water discharge, about 600 acre-feet of wastewater would be treated and reused to supplement potable water supply. At the plant headworks, the recycled water would be blended with raw water.

Section 3.2-1 describes categorical projects as "Renewable energy projects such as wind, solar, geothermal, micro-hydroelectric, and biogas combined heat and power systems (CHP) that provide power to a POTW". Energy conservation would be achieved through the use of in-conduit micro-hydroelectric turbine to generate a renewable energy source for the operation of the treatment plant. Gravity flow from the elevated ponds to the

treatment units at the lower elevation plant should reduce energy consumption by generating a renewable energy source with a micro-hydroelectric turbine.

Section 4.2.4 lists as categorical projects "planning activities by a POTW to prepare for adaptation to the long-term effects of climate change and/or extreme weather". The existing pond configuration is subject to storm water impacts, because they do not include perimeter diversion structures to redirect rainfall; consequently the ponds fill with rain during the solids drying operation thereby extending the solids drying time significantly, usually up to one year. An optimized pond configuration will improve this solids handling concern.

3. If Yes, final GPR percentages are as follows:

Category	Categorically Eligible*		Adequate Business Case Submitted		Eligible Costs	% of Total Project Cost
	Yes	No	Yes	No		
Green Infrastructure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Water Efficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$898,979	57.06%
Energy Efficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$65,919	4.19%
Environmentally Innovative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$610,500	38.75%
Total					<b>\$1,575,398</b>	<b>100%</b>

\* For any category that is not Categorically Eligible, the applicant must provide an adequate Business Case to justify eligibility for principal forgiveness.

4. Municipalities applying for GPR eligible projects or components are eligible for principal forgiveness:

- a. The applicant is a municipality (i.e., city, county, special district)?  
☒ YES ☐ NO  
 (If no, the applicant is not eligible for principal forgiveness, skip to Section 4)

- b. If yes, the project is eligible for \$500,000 in principal forgiveness.

Show calculation:

- i. \$ [GPR eligible amount from Item 3 above] \* 75% = (\$1,575,398\*0.75) = \$ 1,181,548  
 ii. If Line i above is greater than \$500,000 then eligible PF amount for GPR project is \$500,000. If Line i above is less than \$500,000, then eligible PF amount for GPR equals Line i.

- c. PM notified the Credit Analysis/Fiscal Unit of principal forgiveness eligibility when requesting financial review?  
☒ YES ☐ NO

## SECTION II – CWSRF Requirements

### A. Loans Grants Tracking System (LGTS) Update

- Project has been created in LGTS? ☒ YES
- Updated the contacts information in LGTS to reflect current Authorized Representative, Legal, Davis-Bacon, Engineering, Contacts etc.? ☒ YES
- Entered Legislative Districts in LGTS? ☒ YES
- Application Documents are uploaded to LGTS document Tab? ☒ YES ☐ NO
- Project description complete and entered into LGTS? ☒ YES
- PM Completed the CBR Tab in LGTS? ☒ YES



7. PM entered the applicants DUNS Number in LGTS? ☒ YES
8. Completed WC 5103 tab? ☒ YES ☐ N/A
9. Spending forecast in LGTS - Spending forecast is set as: ☐ Manual ☒ Automatic  
If manual, is it updated? ☐ Yes

## B. CWSRF General Requirements

1. What is the Project's priority class? ☐ A ☐ B ☒ C ☐ D ☐ E

## SECTION III – PLAN OF STUDY REVIEW

### A. Project Area

1. Please describe the current system users and any new users?  
Explain: The current system includes 94% residential customers, 5.8% commercial customers, 0.3% others.
2. What is the current population? Service Area: 26,299 Project Area: 26,299  
Notes:

### B. Project Objectives

1. What is the problem or reason for the project (e.g. water quality, I/I, overflows, public health)?  
Explain: Paradise Irrigation District provides potable water service to 10,500 connections in the Town of Paradise, California. The District operates a water treatment plant (WTP) that treats surface water with a process that includes pre-chlorination, coagulation using alum, aluminum chlorohydrate (ACH) and polymers, upflow adsorption clarification, multimedia filtration, and chlorine contact time. Wastewater from clarifier flushing, filter backwashing and filter-to-waste is sent to an equalization tank and pumped to unlined ponds for liquid solid separation. The pond water decants over a fixed weir and discharges to Magalia Reservoir and Little Butte Creek.

The District has an NPDES permit and a Time Schedule Order for pond discharge into Magalia Reservoir. The discharge is currently out of compliance for aluminum and dichlorobromomethane (DCBM). The District needs to achieve compliance by one of the following: (1) eliminating the discharge (and the permit), (2) reducing aluminum and DCBM in the discharge to acceptable levels, (3) or justifying higher discharge limits in a renewed permit.

2. Project description: ☐ No existing collection and treatment system; skip to D.

The project consists of recycling the wastewater generated during the water treatment process. Instead of surface water discharge, about 600 acre-feet of wastewater would be treated and reused to supplement potable water supply. At the plant headworks, the recycled water would be blended with raw water. The treated wastewater would only be recycled when it did not exceed 2NTU or 10% of the plant production. Unsuitable reuse water exceeding the turbidity and flow criteria would be directed to an "Out of Spec." tank. Additional treatment of the "Out of Spec" water may be needed to comply with the NPDES permit.

As part of this project, the District plans to first develop an NPDES permit renewal approach to ensure compliance is achieved before project alternatives are evaluated and a recommended project is determined. After the NPDES permit renewal is completed, the District intends to solicit a request for proposal for planning, design and engineering services to do the following:

1. Evaluate compliance alternatives to meet NPDES permit requirements;
2. Recommend a compliance project alternative;
3. Provide a Preliminary Design Report (PDR);
4. Prepare final design plans and specifications;
5. Prepare CEQA documents;

6. Prepare bid documents; and
  8. Provide Bidding assistance.
3. What is the current treatment capacity?  
Explain: The WTP has potable water and wastewater treatment capacities of 21.1 mgd and 2.0 mgd, respectively.
  4. Describe the current discharge location(s)?  
Explain: Wastewaters generated from the operation of the WTP are treated and discharged to Magalia Reservoir (Paradise Lake), a man made impoundment on Little Butte Creek, both waters of the United States.
  5. Is the facility meeting discharge requirements? ☐ YES ☒ NO ☐ N/A  
If not, list violations: The District has not been able to comply with the final effluent limits for aluminum and dichlorobromomethane (DCBM). See attachment T3 for a list of violations occurred in 2015 and 2016. The District has been able to comply with the interim limits, which have been extended until April 17, 2020 by TSO R1-2017-01211. There were no violations in 2017.

### C. Treatment Objectives for Discharge and Reuse

1. What are the relevant wastewater discharge requirements?  
Explain: Relevant interim and final discharge requirements are shown on the tables below.

Table 1: Interim effluent limits

Parameter	Units	Interim Maximum Daily Effluent Limitation	Interim Average Monthly Effluent Limitation
Dichlorobromomethane	µg/L	3.0	3.0
Aluminum	µg/L	790	790

Note: The interim limits above have been extended until April 17, 2020 by TSO R1-2017-01211.

Table 2: Final Effluent limits

Parameter	Units	Average Monthly	Maximum Daily
Dichlorobromomethane	µg/L	0.56	1.12
Aluminum	µg/L	77.2	123

2. What are the relevant reuse requirements?  
Explain: Per Drinking Water Cryptosporidium Action Plan guidelines for recycling water, recycled water should not exceed (1) 2 NTU turbidity units and (2) 10% of the total flow to the head of the plant.

### D. Project Technical Review Approval

1. Tentative Planning/Design schedule:

MILESTONES	DATE
Eligible Start Date	8/15/2017
NPDES Permit Renewal: Mixing Zone Study	9/15/2018
NPDES Permit Renewal: Dilution Study	9/15/2018
Alternatives Evaluation Report	6/15/2019
Preliminary Design Report	10/16/2019
CEQA Documents: Draft IS/MND	12/15/2019

CEQA Documents: Final MMRP	6/15/2020
CEQA Documents: Final Cultural Resources Inventory and Evaluation Report	6/15/2020
Final Design Plans & Specifications	6/15/2020
Final Disbursement Request/End of Draw	Three years from date of financing agreement



2. Project is eligible to receive Planning/Design CWSRF financing? ☒ YES ☐ NO  
 Project has technical review special conditions\*? ☒ YES ☐ NO  
 If Yes, List here:

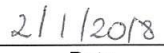

- a. The Recipient must provide to the Division of Financial Assistance documentation that 50 percent and 90 percent Design Plans and Specifications have been submitted to the Division of Drinking Water Valley District Field Office by February 10, 2020 and May 10, 2020, respectively. If not, disbursement of funds will be held at 90 percent of the total principal forgiveness amount until the Recipient provides the aforementioned documentation.

\*Note: If the project is for example a water recycling project or a septic-to-sewer project, and the applicant is requesting funding for all the work required for a construction application, it may be appropriate to require the recipient to complete the project report or feasibility study only, and then have conditions to allow the release of additional funds (or possible amendment to add funds later) for other work such as Environmental Documents, Report of Waste Discharge, Rate Study, etc.

3. Other Comments: None

The technical portion of the Project is hereby approved to receive a CWSRF Planning/Design financing agreement.

  
 Project Manager Signature  
  
 Senior Engineer Signature

  
 Date  
  
 Date

1/18/2018: S:\DFA\ENGINEER\Funding Programs\SRF\Projects\Paradise Irrigation District\8050-120\Planning\_Design\_Review\_Checklistrev8-7-15\_8050-120\_3.Docx



## Turbidimeter Replacement for Filter No. 1



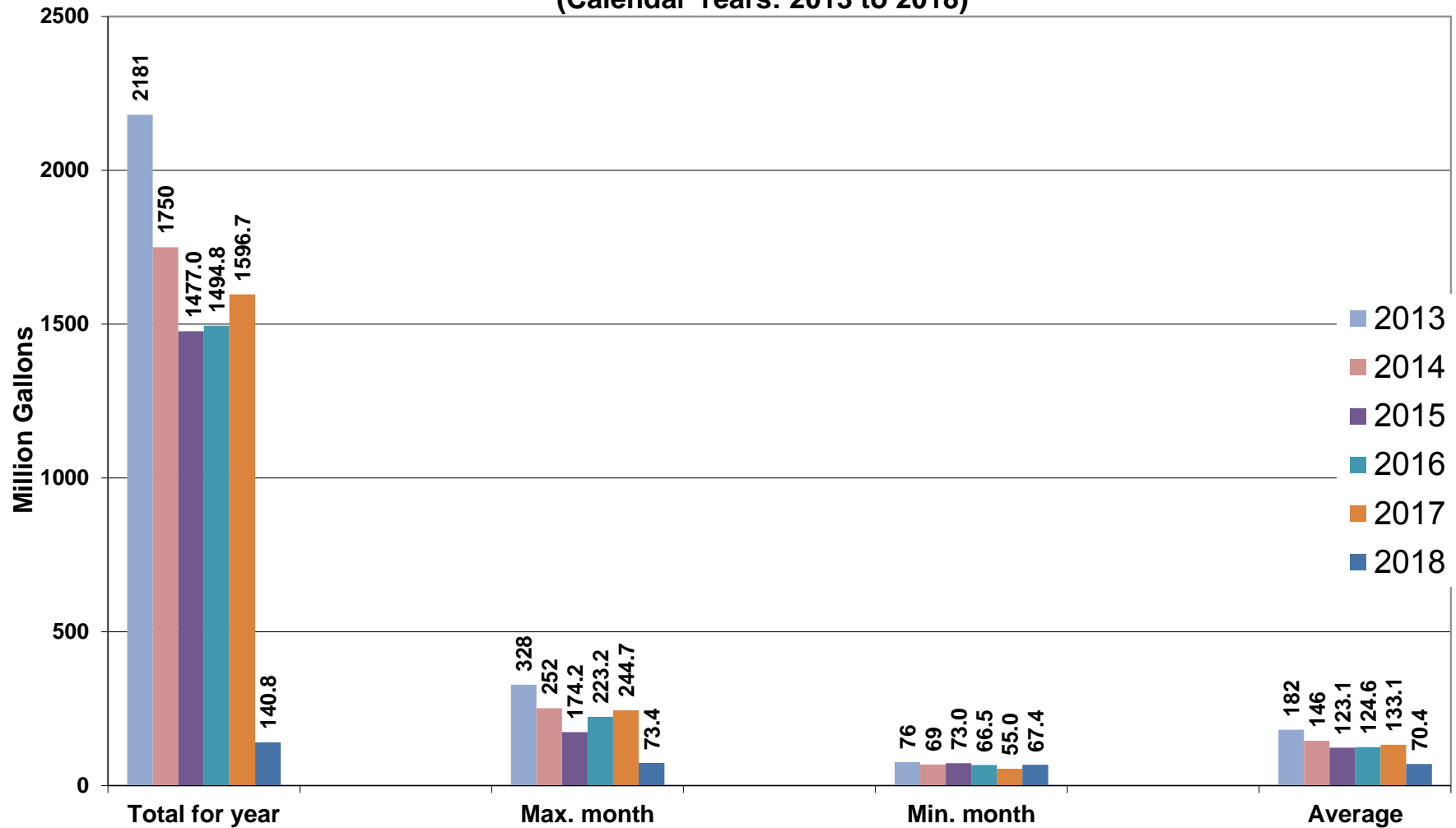
## Obsolete Chlorine Analyzer (Finished Water No. 2) to be Replaced



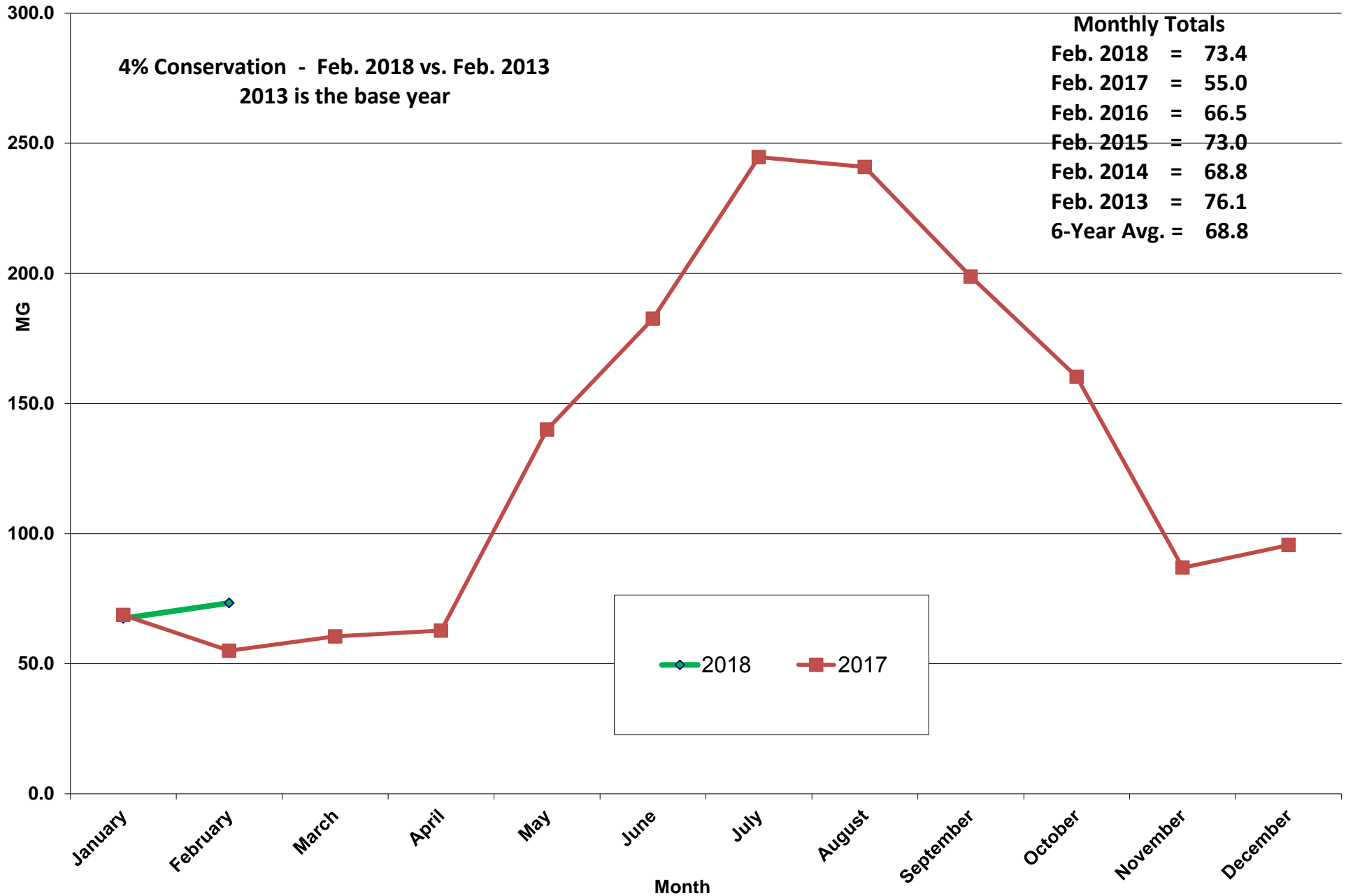
Back of the Obsolete Chlorine Analyzer (Left); Type of Replacement Analyzer (Right)



**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)**

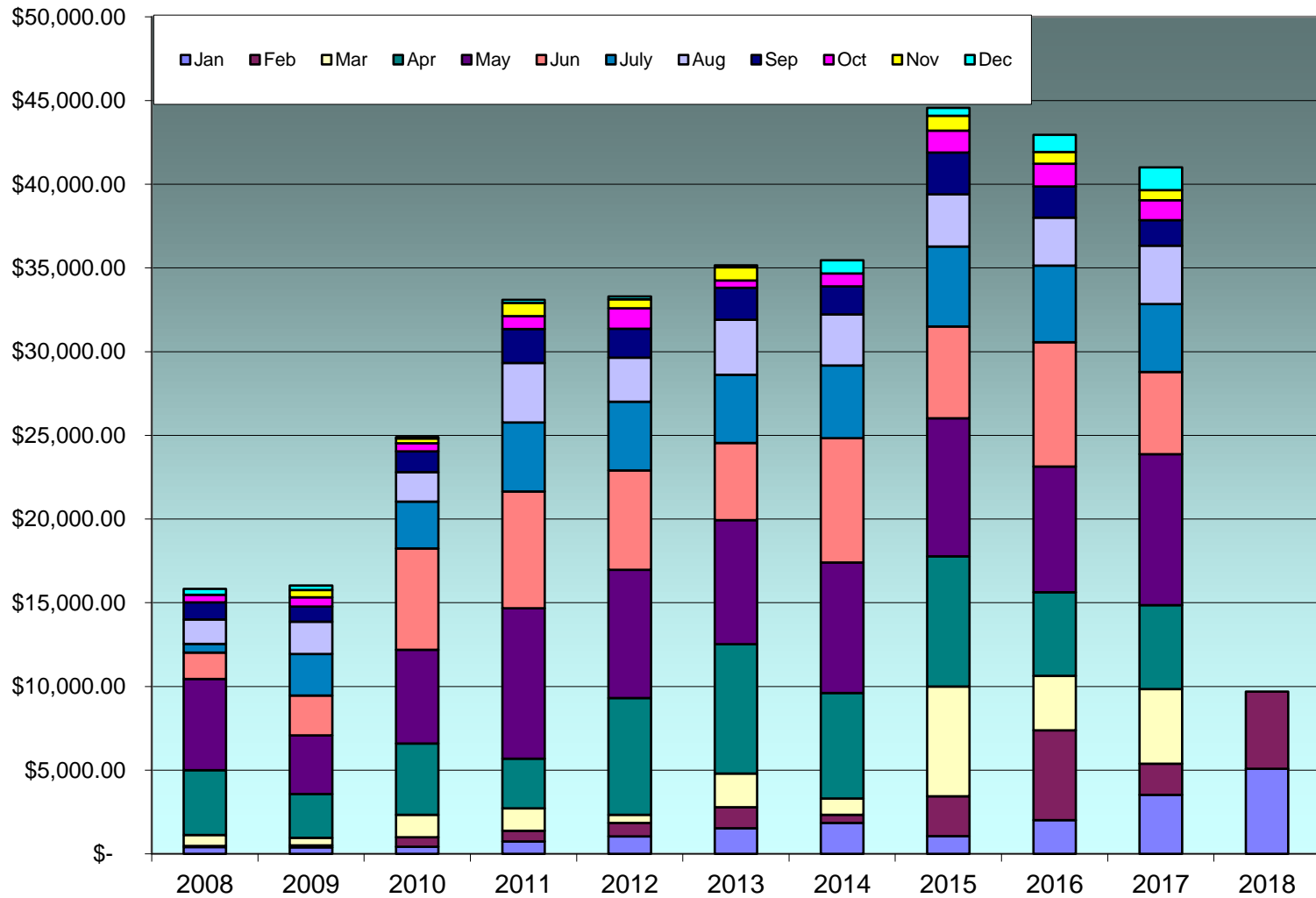


**Water Treatment Plant Annual Production Figures and 5 Year Averages (2013 - 2018)**  
**(Million Gallons)**

**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	January
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	February
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			March
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			April
May	181.5	243.9	259.3	275	221	140.8	146	214.7	241.6	175.6	136.5	119.6	140.0			May
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			June
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			July
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			August
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			September
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			October
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			November
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			December
									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	140.8	149.3	
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	67.4	68.8	
Average	208	222	219	224	193	174	161	179	182	146	123.1	124.6	133.1	70.4	74.7	

## 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	0		0		0		0		\$ -
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	131	\$ 1,970.00	476	\$ 1,427.30	136	\$ 5,420.00	88	\$ 880.00	\$ 9,697.30



## **ENGINEERING REPORT**

February 2018

### **Activities This Month**

This month engineering staff prepared and sent out a Request for Proposals to assist the District with an inundation study for its two dams and the preparation of updated inundation maps, as required by recently adopted State law. Staff continued work on the condition assessments for the spillways at Magalia Dam and Paradise Dam.

Staff also continued efforts in support of the Town of Paradise Almond Street/Gap Complex project. This included preparing preliminary design drawings for the anticipated pipeline replacement projects on Black Olive Drive and Birch Street.

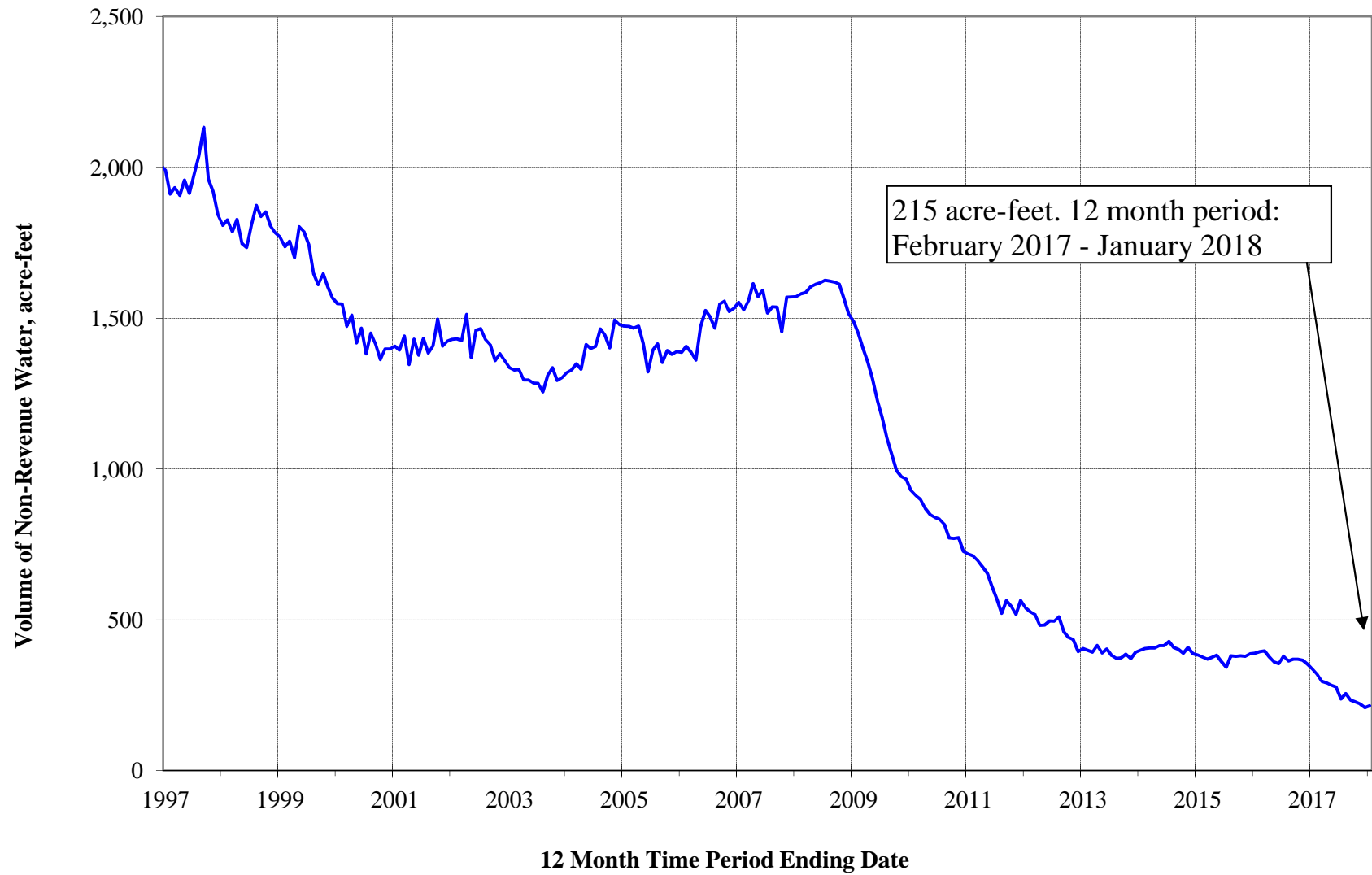
Staff began work on water rights reporting for the 2017 calendar year. Engineering staff also continued work on the water rights measurement and reporting requirements, including review of SCADA data suitability, and ordering components for an instrumentation upgrade of the water level measuring device at Magalia Reservoir.

Engineering staff continued work on the Reservoir B expansion project. Staff also continued work on the NPDES permit renewal and water recycling project. Staff provided preliminary engineering support for the Crestview Drive / Crestwood Drive pipeline replacement project.

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

Water Service Requirements Review Requests	9
New/revised projects reviewed in Project Evaluation Committee (TOP)	1
Review and direction of miscellaneous ongoing projects	4
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 - Feb. 1 through Feb. 28, 2018

Page Title ?	Pageviews ? ↓
	<b>5,402</b> % of Total: 100.00% (5,402)
1. <a href="#">Pidwater.com - Paradise Irrigation District - Water Utility for Paradise, California - Paradise Irrigation District</a>	<b>2,442</b> (45.21%)
2. <a href="#">Payment Options for Paradise Irrigation District - Paradise Irrigation District</a>	<b>460</b> (8.52%)
3. <a href="#">Search or browse PID documents - Paradise Irrigation District</a>	<b>328</b> (6.07%)
4. <a href="#">Flushing - Paradise Irrigation District</a>	<b>315</b> (5.83%)
5. <a href="#">Search - Paradise Irrigation District</a>	<b>206</b> (3.81%)
6. <a href="#">PID Reservoir Levels: Paradise Lake and Magalia Reservoir - Paradise Irrigation District</a>	<b>174</b> (3.22%)
7. <a href="#">PID Projects - Paradise Irrigation District</a>	<b>119</b> (2.20%)
8. <a href="#">Contact PID - Paradise Irrigation District</a>	<b>115</b> (2.13%)
9. <a href="#">Careers at PID - Paradise Irrigation District</a>	<b>92</b> (1.70%)
10. <a href="#">UpcOi - Paradise Irrigation District</a>	<b>90</b> (1.67%)

*Note: Item 10 is a pointer page from Facebook to our flushing page.*

### 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



## Security Policy Update

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

Mickey Rich  
Information Systems Manager  
March 2018

**MONTHLY BILLING REPORT-FEBRUARY 2018**

**PARADISE IRRIGATION DISTRICT**

	<u>Routes 1-50</u> <u>Feb-18</u>	<u>Routes 1-50</u> <u>Feb-17</u>	<u>Variance</u>	<u>RT 1-50</u> <u>Jan-18</u>	<u>RT 1-50</u> <u>Jan-17</u>	<u>Variance</u>
Service Charge Billed	\$ 436,352.87	\$ 373,107.10	\$ 63,245.77	\$ 371,403.29	\$ 369,922.43	\$ 1,480.86
Consump. Billed	\$ 120,299.91	\$ 120,590.31	\$ (290.40)	\$ 148,549.25	\$ 120,727.33	\$ 27,821.92
<b>SERVICE FEES</b>	\$ 11,072.93	\$ 10,445.09	\$ 627.84	\$ 10,460.60	\$ 10,367.25	\$ 93.35
<b>Total Current Billing</b>	\$ 567,725.71	\$ 504,142.50	\$ 63,583.21	\$ 530,413.14	\$ 501,017.01	\$29,396.13
Past Due Billed	\$ 69,436.46	\$ 83,364.52	\$ (13,928.06)	\$ 97,659.03	\$ 77,500.57	\$ 20,158.46
TOP-PFD-Hydrant	\$ 10,338.16	\$ 10,314.81	\$ 23.35	\$ 10,334.44	\$ 10,315.15	\$ 19.29
<b>Total Accounts Billed</b>	10,602					

**Total A/R All Routes 2/28/18 \$360,662.84**

**WATER USAGE**

	<u>Feb-18</u>	<u>Feb-17</u>	<u>Variance</u>	<u>Jan-18</u>	<u>Jan-17</u>	<u>Variance</u>
Water Used (Cf)	7,557,600	7,530,300	27,300	9,337,500	8,004,300	1,333,200
Water Used (AF)	173	173	1	214	184	31

**TOTAL CONNECTIONS AS OF Feb-18**

Active Meters in Service 10,234  
Sealed Meters in Service 348  
Total Meters 10,582

**DEL ORO WATER DISTRICT**

**LIME SADDLE**

Date 02/01/18 TO 2/28/18 01/01/18 TO 02/28/18  
Acre Feet 0.09 0.09

**PARADISE PINES/MAGALIA**

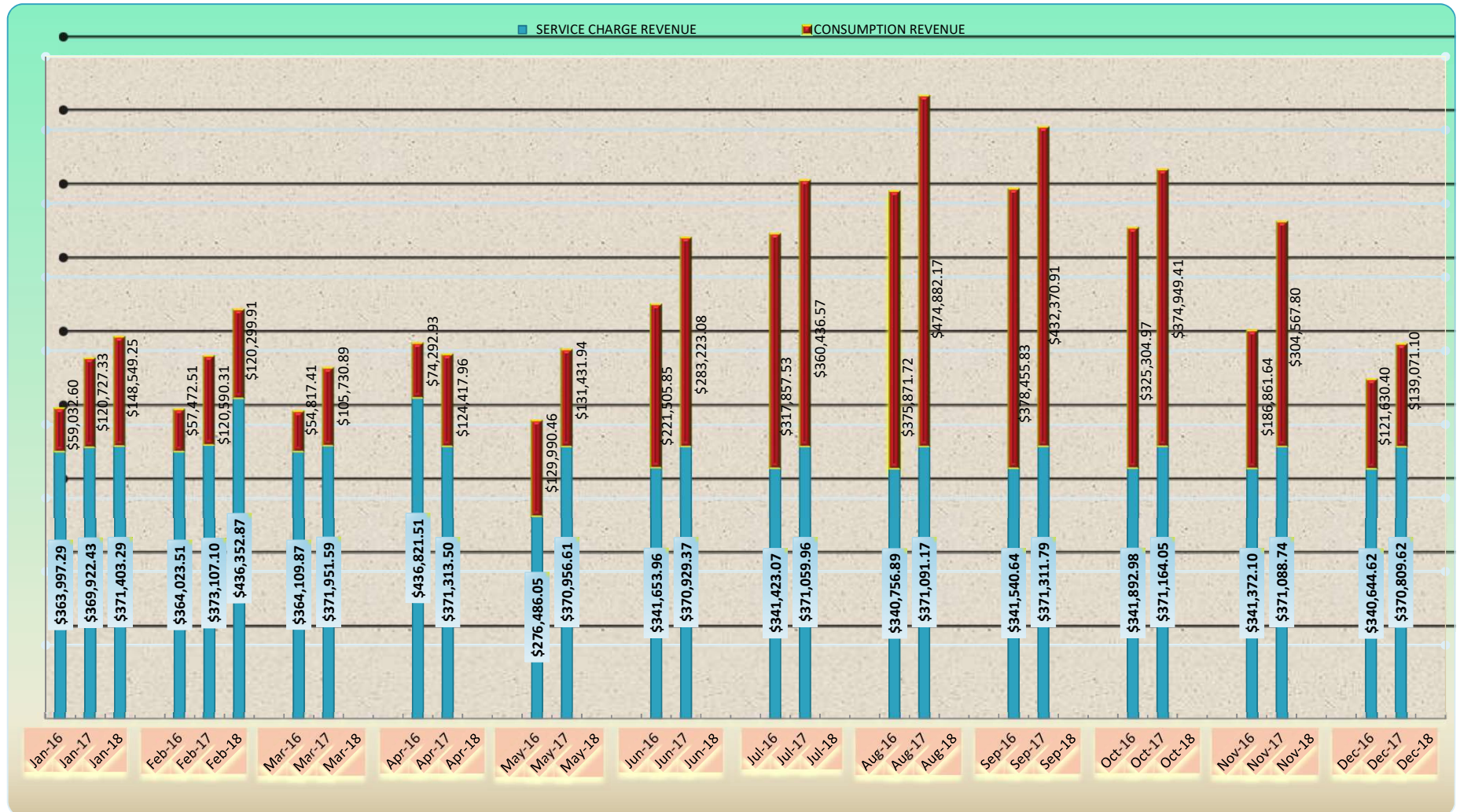
Date 02/01/18 TO 2/28/18 01/01/18 TO 02/28/18  
Acre Feet 0.00 0.00

**TOTAL DEL ORO WATER USAGE 0.09 0.09 ACRE FEET**

***LAURA CAPRA***

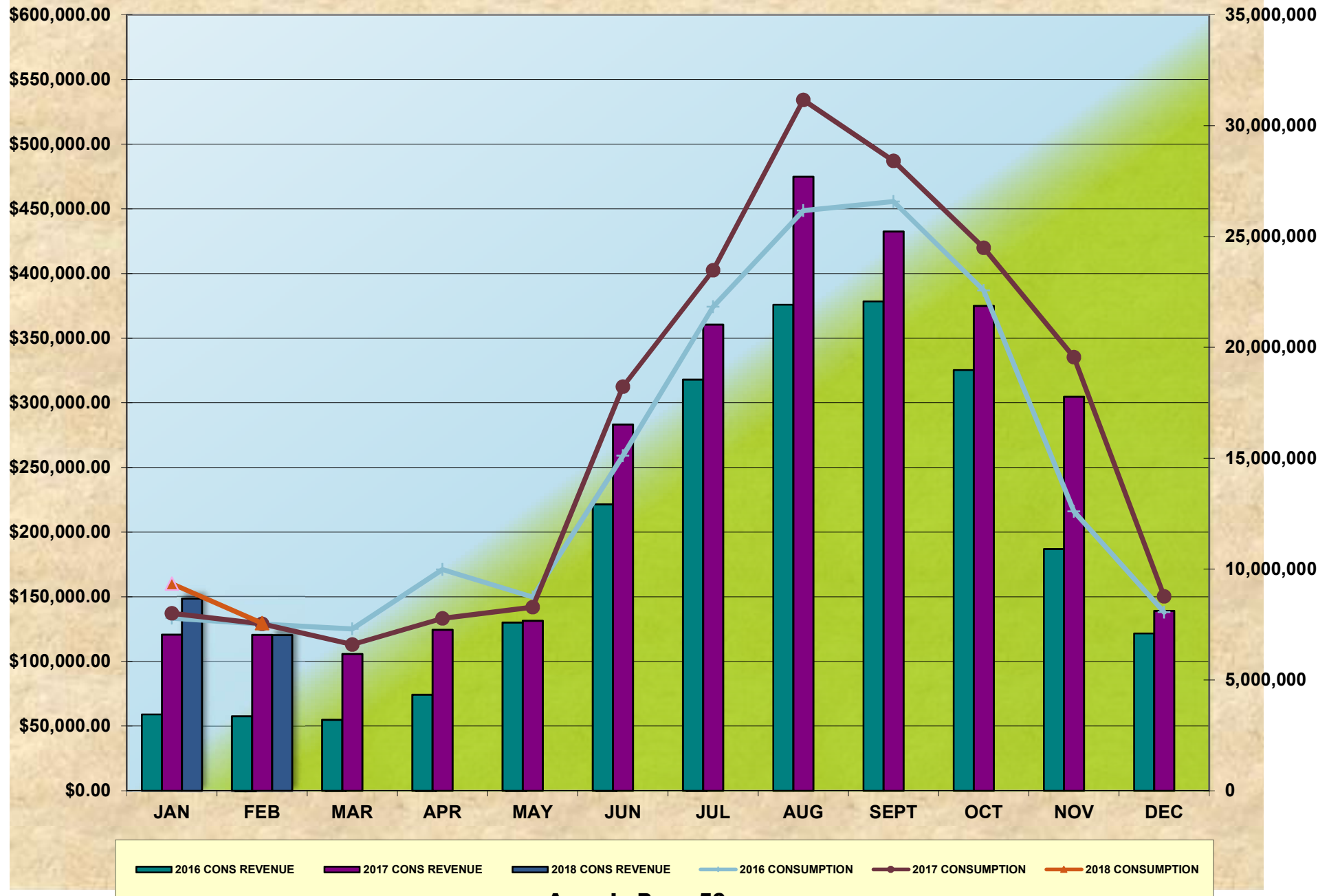
Laura Capra-Utility Billing Technician

# SERVICE CHARGE REVENUE AND CONSUMPTION REVENUE





# WATER CONSUMPTION AND REVENUE 2016 THRU 2018







## PARADISE IRRIGATION DISTRICT

*"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: March 15, 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. We 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 give a water rights 101 presentation.

### 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. Staff 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 PID is 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 to 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 Districts NPDES permit. We had a meeting on February 13<sup>th</sup> with Larry Walker and Water Works to discuss the preliminary research for the mixing zone study and dilution credit.

### 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 away 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. We are also working with legal to prepare to condemn the easement associated with the pipeline alignment.

#### 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. They 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. Genterra requested an extension of time to issue the Phase one condition assessment report. The District granted the extension to March 19<sup>th</sup>.

#### 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. We are in the process of rescheduling the tour.

#### 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<sup>th</sup>. K&A completed initial pre-screening interviews and updated the Applicant Materials Binder on March 6<sup>th</sup>, which has been provided to the directors for review of the candidates to invite for on-site interviews.

#### Retirement Plan Selection

The District selected ICMA to be the new retirement plan provider. ICMA was on site on February 15<sup>th</sup> and 16<sup>th</sup> to set up each participants account. An ICMA financial advisor met with every District employee. The transition is complete.



## **PARADISE IRRIGATION DISTRICT**

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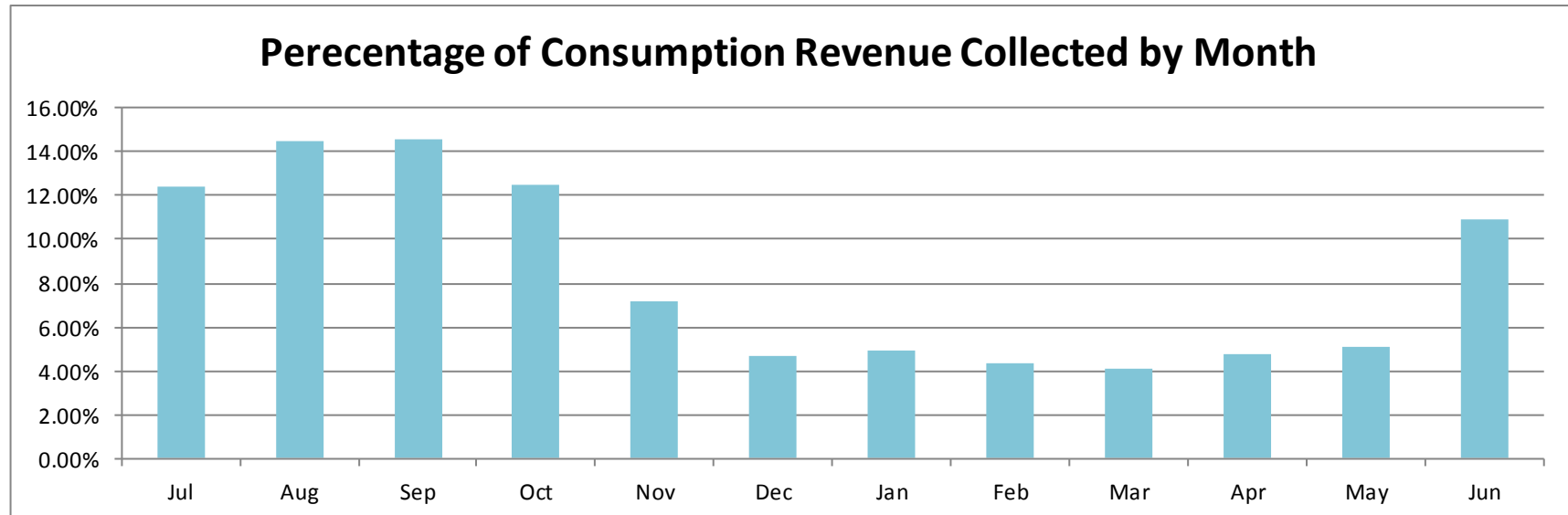
**TO: Board of Directors**  
**FROM: Kevin Phillips**  
**DATE: 3/13/2018**  
**RE: Treasurer's Memo**

1. **Cash Position** – At 2/28/2018 the Districts estimated cash position was \$3.158 million
  - a. Of this \$3.158 million, \$1.413 million is restricted and \$1.745 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 2/28/2018 the District has incurred \$790,786 of debt service payments of the budgeted \$992,208. This Districts total outstanding debt is \$7.17 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	115,137.89	134,706.98	144,040.26	310,181.19	3,054,190.22
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	\$ 3,054,190
2017/18 Budget	\$ 2,833,600
2016/17 Actual	\$ 2,590,496



*Paradise Irrigation District*

**Detail of Disbursements Report**

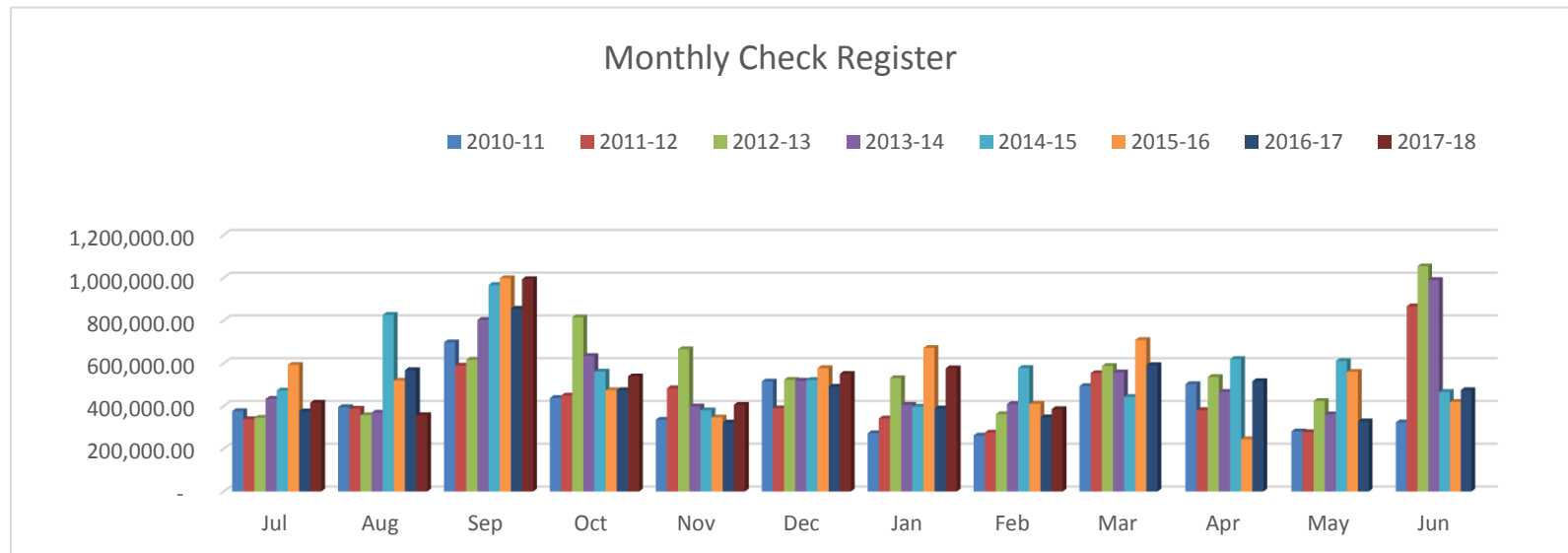
Check Numbers 51577 - 51672

Check#	Date	Vendor/Employee	Amount	% of Total Monthly Disbursements
51618	02/16/2018	ACWA/JPIA	76,126.43	19.77%
51628	02/16/2018	Genterra Consultants, Inc.	31,961.25	8.30%
51610	02/09/2018	Zenner USA	21,212.69	5.51%
51638	02/16/2018	Zenner USA	21,211.13	5.51%
51598	02/09/2018	Pinpoint Products	21,007.38	5.46%
51581	02/09/2018	Carus Corporation	20,104.23	5.22%
51596	02/09/2018	Pacific Gas & Electric Company	18,564.20	4.82%
1186	02/22/2018	FTJ CORP ACCT	18,490.83	4.80%
1184	02/08/2018	FTJ CORP ACCT	18,023.96	4.68%
51635	02/16/2018	Tittle & Company, LLP	13,000.00	3.38%
DFT0002699	02/26/2018	Internal Revenue Service	12,888.36	3.35%
51630	02/16/2018	Minasian, Meith, Soares, Sexton & Cooper, LLP	11,993.10	3.12%
51658	02/28/2018	Harper & Associates Engineering, Inc.	10,665.00	2.77%
DFT0002700	02/26/2018	Internal Revenue Service	10,448.89	2.71%
51608	02/09/2018	Water Works Engineers	10,418.38	2.71%
51640	02/22/2018	Pinpoint Products	8,928.88	2.32%
51587	02/09/2018	Infosend	5,989.81	1.56%
DFT0002698	02/26/2018	Employment Development Dept.	4,047.52	1.05%
51593	02/09/2018	Olin Corp.-Chlor Alkali	3,546.31	0.92%
51647	02/23/2018	US Bank Corporate Payment System	3,142.53	0.82%
DFT0002702	02/26/2018	Internal Revenue Service	3,014.20	0.78%
51670	02/28/2018	TWHC	3,000.00	0.78%
51624	02/16/2018	DLT Solutions LLC	2,779.13	0.72%
51639	02/16/2018	DLT Solutions LLC	2,672.24	0.69%
51661	02/28/2018	Mendon's Nursery	2,601.08	0.68%
51629	02/16/2018	Hunt & Sons, Inc.	2,329.56	0.61%
51594	02/09/2018	O'Reilly Auto Parts	1,700.14	0.44%
51577	02/09/2018	Aramark Uniform Services	1,672.35	0.43%
51631	02/16/2018	National Meters and Automation	1,572.84	0.41%
51655	02/28/2018	Driveline Specialists	1,546.78	0.40%
51591	02/09/2018	Northstate Aggregate, Inc.	1,454.62	0.38%
51622	02/16/2018	Commercial Tire Warehouse	1,415.02	0.37%
51620	02/16/2018	American Conservation & Billing Solutions	1,320.00	0.34%
51645	02/23/2018	I.B.E.W. Local Union 1245	1,118.75	0.29%
51586	02/09/2018	I.B.E.W. Local Union 1245	1,118.75	0.29%
51582	02/09/2018	Cranmer Engineering, Inc.	1,115.00	0.29%
DFT0002701	02/26/2018	Employment Development Dept.	1,051.15	0.27%
51602	02/09/2018	Thomas Ace Hardware	1,049.39	0.27%
51667	02/28/2018	Pitney Bowes Purchase Power	1,005.00	0.26%
51611	02/09/2018	Thomas Ace Hardware	936.20	0.24%
51649	02/28/2018	AT&T	898.40	0.23%
51644	02/23/2018	Home Depot Credit Services	861.96	0.22%
51589	02/09/2018	North Valley Barricade	750.75	0.20%
DFT0002697	02/23/2018	Health Equity, Inc.	739.24	0.19%
51599	02/09/2018	Pollard Water	653.68	0.17%
51619	02/16/2018	Airgas NCN	501.79	0.13%
51590	02/09/2018	North Valley Tree Service	500.00	0.13%
51626	02/16/2018	Eagles Security Systems	468.00	0.12%
51597	02/09/2018	Peerless Bldg. Maintenance Inc.	450.00	0.12%
DFT0002696	02/23/2018	Aflac	439.62	0.11%
51623	02/16/2018	Diesel Emissions Services	411.65	0.11%
51663	02/28/2018	Office Depot	411.46	0.11%
51584	02/09/2018	FGL Environmental	395.00	0.10%
51652	02/28/2018	Commercial Tire Warehouse	363.43	0.09%
51606	02/09/2018	T-Mobile	355.49	0.09%

51633	02/16/2018	Northern Recycling & Waste Svcs	344.29	0.09%
51651	02/28/2018	Comcast	336.10	0.09%
51650	02/28/2018	Butte Co - Neal Rd Landfill	323.83	0.08%
51659	02/28/2018	Inland Business Systems	300.03	0.08%
51583	02/09/2018	Diesel Emissions Services	260.78	0.07%
51654	02/28/2018	Don's Saw & Mower Service	257.05	0.07%
51632	02/16/2018	North Valley Barricade	250.38	0.07%
51656	02/28/2018	Foothill Mill & Lumber Co.	237.33	0.06%
51642	02/23/2018	California State Disbursement Unit	225.23	0.06%
51580	02/09/2018	California State Disbursement Unit	225.23	0.06%
51637	02/16/2018	Zee Service Company	221.32	0.06%
1185	02/08/2018	Health Equity, Inc.	218.30	0.06%
51607	02/09/2018	Tyler Technologies, Inc.	200.00	0.05%
51641	02/23/2018	California State Disbursement Unit	179.53	0.05%
51579	02/09/2018	California State Disbursement Unit	179.53	0.05%
51588	02/09/2018	MJB Welding Supply	164.69	0.04%
51617	02/16/2018	Access Information Protected	149.68	0.04%
51609	02/09/2018	Wurth USA Inc.	149.47	0.04%
51636	02/16/2018	Wienhoff & Associates, Inc.	140.00	0.04%
51668	02/28/2018	Rental Guys	139.54	0.04%
51662	02/28/2018	North Valley Barricade	128.38	0.03%
51657	02/28/2018	Gene's A-1 Glass	124.99	0.03%
51600	02/09/2018	Riebes Auto Parts	113.00	0.03%
51672	02/28/2018	Zee Service Company	106.30	0.03%
51585	02/09/2018	Harbor Freight Tools	106.15	0.03%
51666	02/28/2018	Payless Building Supply	92.84	0.02%
51653	02/28/2018	Consolidated Electrical Dist	92.71	0.02%
51592	02/09/2018	Office Depot	86.56	0.02%
51646	02/23/2018	Infinisource Cobra Compliance	80.00	0.02%
51669	02/28/2018	Sinclair Towing	79.95	0.02%
51605	02/09/2018	Thomas Hydraulic	66.07	0.02%
51621	02/16/2018	AT&T	65.90	0.02%
51671	02/28/2018	Wagner & Bonsignore	62.50	0.02%
51634	02/16/2018	Pacific Gas & Electric Company	56.88	0.01%
51660	02/28/2018	Meeks	53.85	0.01%
51664	02/28/2018	Paradise Garden Center	39.18	0.01%
51578	02/09/2018	Butte Co - Neal Rd Landfill	36.64	0.01%
DFT0002695	02/23/2018	Aflac	34.11	0.01%
51627	02/16/2018	Fiserv Solutions, LLC	34.08	0.01%
51643	02/23/2018	Federal Express Corp.	33.16	0.01%
51601	02/09/2018	Skyway Tools Center	24.64	0.01%
51625	02/16/2018	Don's Saw & Mower Service	21.00	0.01%
51665	02/28/2018	Paradise Pines True Value	13.53	0.00%
DFT0002690	02/12/2018	Internal Revenue Service	7.34	0.00%
DFT0002691	02/12/2018	Internal Revenue Service	6.33	0.00%
DFT0002705	02/26/2018	Internal Revenue Service	5.16	0.00%
DFT0002685	02/12/2018	Internal Revenue Service	5.16	0.00%
DFT0002689	02/12/2018	Employment Development Dept.	4.64	0.00%
DFT0002706	02/26/2018	Internal Revenue Service	4.16	0.00%
DFT0002686	02/12/2018	Internal Revenue Service	4.16	0.00%
DFT0002693	02/12/2018	Internal Revenue Service	1.72	0.00%
DFT0002708	02/26/2018	Internal Revenue Service	1.20	0.00%
DFT0002688	02/12/2018	Internal Revenue Service	1.20	0.00%
DFT0002692	02/12/2018	Employment Development Dept.	0.59	0.00%
DFT0002703	02/23/2018	Health Equity, Inc.	(41.67)	-0.01%
DFT0002684	02/09/2018	Health Equity, Inc.	(41.67)	-0.01%
51653	02/28/2018	Consolidated Electrical Dist	(92.71)	-0.02%
51602	02/09/2018	Thomas Ace Hardware	(1,049.39)	-0.27%
51655	02/28/2018	Driveline Specialists	(1,546.78)	-0.40%
51624	02/16/2018	DLT Solutions LLC	(2,779.13)	-0.72%
			<u>384,988.59</u>	

**Monthly Check Register Comparison  
2/28/2018**

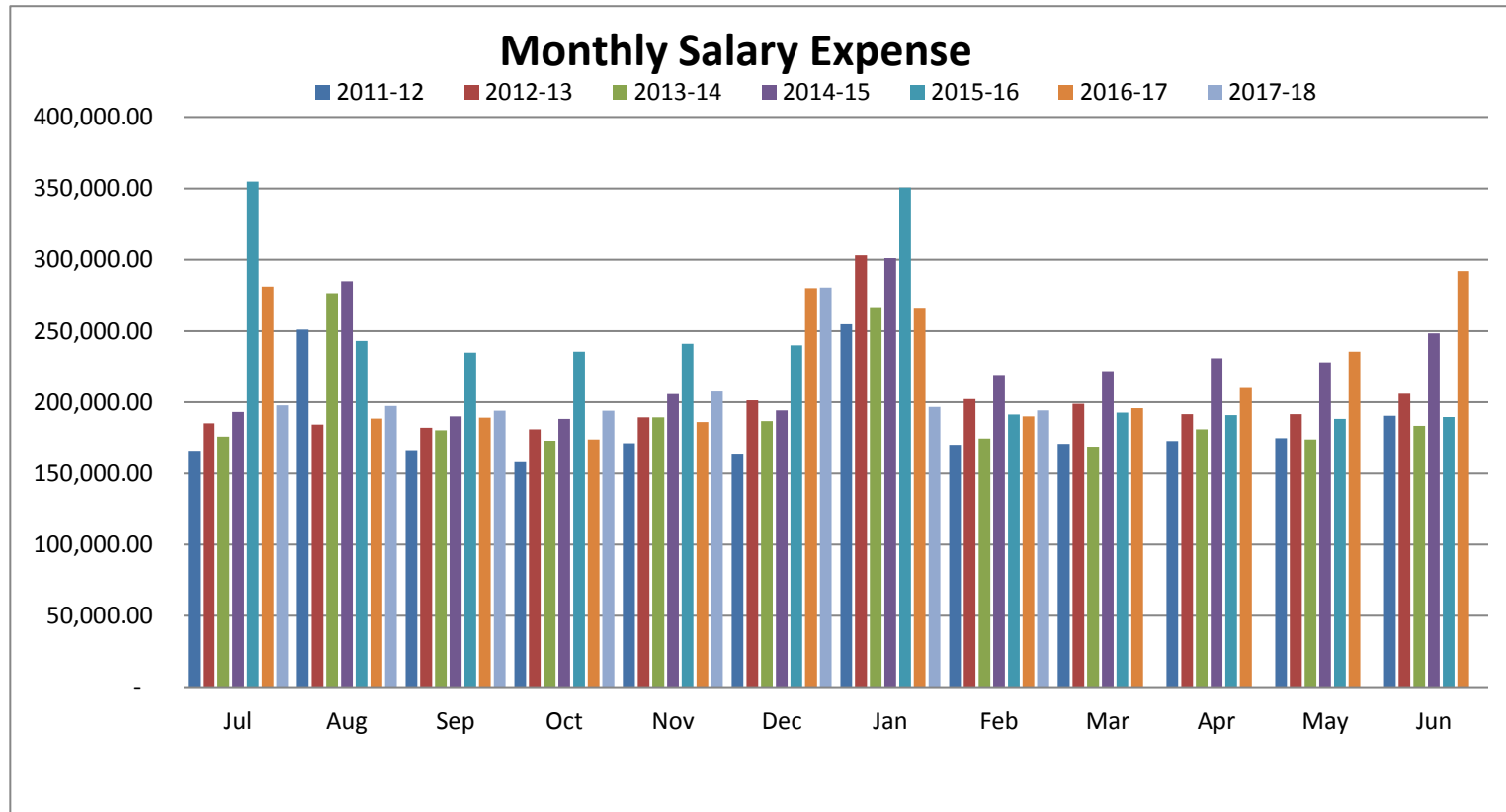
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	TOTAL
2010-11	376,057.07	394,478.03	697,440.23	437,353.30	335,561.35	514,446.61	272,650.38	261,657.93	492,956.90	502,246.31	281,128.16	323,018.20	4,888,994.47
2011-12	337,870.71	387,630.16	588,787.53	448,406.52	482,962.01	388,861.12	341,120.17	275,613.75	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					4,219,792.18





**Monthly Salary Comparison  
2/28/2018**

	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					1,661,651.26





# Paradise Irrigation District

## Expense Approval Report By Vendor Name

Payment Dates 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01016 - Access Information Protected</b>					
02/16/2018	51617	Bluk Shred - Shop			74.84
02/16/2018	51617	Bulk Shredding - Office			74.84
<b>Vendor 01016 - Access Information Protected Total:</b>					<b>149.68</b>
<b>Vendor: 01022 - ACWA/JPIA</b>					
02/16/2018	51618	Health - Dental			3,491.25
02/16/2018	51618	Health - Life/AD&D			796.20
02/16/2018	51618	Health - EAP			101.05
02/16/2018	51618	Health - Medical			70,889.11
02/16/2018	51618	Health - Vision			848.82
<b>Vendor 01022 - ACWA/JPIA Total:</b>					<b>76,126.43</b>
<b>Vendor: 02957 - Aflac</b>					
02/23/2018	DFT0002695	Montly Invoices			34.11
02/23/2018	DFT0002696	Montly Aflac Invoice			439.62
<b>Vendor 02957 - Aflac Total:</b>					<b>473.73</b>
<b>Vendor: 01032 - Airgas NCN</b>					
02/16/2018	51619	Welding Supplies - Shop			501.79
<b>Vendor 01032 - Airgas NCN Total:</b>					<b>501.79</b>
<b>Vendor: 02847 - American Conservation &amp; Billing Solutions</b>					
02/16/2018	51620	AquaHawk Alerting - 3/18			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>					
02/09/2018	51577	Uniforms - Shop			136.68
02/09/2018	51577	Janitorial Supplies - Shop			15.00
02/09/2018	51577	Janitorial Supplies - TP			7.50
02/09/2018	51577	Uniforms - TP			66.82
02/09/2018	51577	Janitorial Supplies - Shop			15.00
02/09/2018	51577	Uniforms - Shop			136.68
02/09/2018	51577	Uniforms - TP			79.29
02/09/2018	51577	Janitorial Supplies - Shop			15.00
02/09/2018	51577	Uniforms - Shop			154.93
02/09/2018	51577	Janitorial Supplies - TP			7.50
02/09/2018	51577	Uniforms - TP			69.42
02/09/2018	51577	Uniforms - Shop			686.68
02/09/2018	51577	Uniforms - Shop			-9.52
02/09/2018	51577	Uniforms - TP			57.21
02/09/2018	51577	Uniforms - Shop			219.16
02/09/2018	51577	Janitorial Supplies - Shop			15.00
<b>Vendor 01068 - Aramark Uniform Services Total:</b>					<b>1,672.35</b>
<b>Vendor: 01082 - AT&amp;T</b>					
02/28/2018	51649	Lake			18.85
02/28/2018	51649	DS1 Service IntraLATA			82.15
02/28/2018	51649	Phone Line - TP			76.80
02/28/2018	51649	Shop Fax			20.38
02/28/2018	51649	B Res Alarm			20.31
02/28/2018	51649	Elliott & Clark			164.29
02/28/2018	51649	Office			353.77
02/28/2018	51649	DS1 Service IntraLATA			82.14
02/28/2018	51649	Computer Room			20.31
02/28/2018	51649	Office Fax			59.40
<b>Vendor 01082 - AT&amp;T Total:</b>					<b>898.40</b>

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01083 - AT&amp;T</b>					
02/16/2018	51621	B Res			32.95
02/16/2018	51621	A Tank Alarm			32.95
<b>Vendor 01083 - AT&amp;T Total:</b>					<b>65.90</b>
<b>Vendor: 01942 - Butte Co - Neal Rd Landfill</b>					
02/09/2018	51578	Landfill Fees - Shop			36.64
02/28/2018	51650	Landfill Fees - Shop			132.23
02/28/2018	51650	Landfill Fees - Shop			120.43
02/28/2018	51650	Landfill Fees - Shop			71.17
<b>Vendor 01942 - Butte Co - Neal Rd Landfill Total:</b>					<b>360.47</b>
<b>Vendor: 01256 - California State Disbursement Unit</b>					
02/09/2018	51580	Garnishment			225.23
02/09/2018	51579	Garnishment			179.53
02/23/2018	51642	Garnishment			225.23
02/23/2018	51641	Garnishment			179.53
<b>Vendor 01256 - California State Disbursement Unit Total:</b>					<b>809.52</b>
<b>Vendor: 02970 - Carus Corporation</b>					
02/09/2018	51581	Carus 3190 (ZOP) zinc otrhopho...			20,104.23
<b>Vendor 02970 - Carus Corporation Total:</b>					<b>20,104.23</b>
<b>Vendor: 01320 - Comcast</b>					
02/28/2018	51651	Internet - Shop			105.07
02/28/2018	51651	Internet - Office			125.02
02/28/2018	51651	Internet - Office			106.01
<b>Vendor 01320 - Comcast Total:</b>					<b>336.10</b>
<b>Vendor: 01370 - Commercial Tire Warehouse</b>					
02/16/2018	51622	4 new tires for unit 33 dump tru...			1,415.02
02/28/2018	51652	Repairs - #32, 07 Service Truck - ..			363.43
<b>Vendor 01370 - Commercial Tire Warehouse Total:</b>					<b>1,778.45</b>
<b>Vendor: 01356 - Cranmer Engineering, Inc.</b>					
02/09/2018	51582	Lab Fees - TP			1,115.00
<b>Vendor 01356 - Cranmer Engineering, Inc. Total:</b>					<b>1,115.00</b>
<b>Vendor: 01494 - Diesel Emissions Services</b>					
02/09/2018	51583	Repairs - #40, 08 Backhoe - Parts			260.78
02/16/2018	51623	Repairs - #33, 09 DumpTruck - ...			411.65
<b>Vendor 01494 - Diesel Emissions Services Total:</b>					<b>672.43</b>
<b>Vendor: 01436 - DLT Solutions LLC</b>					
02/16/2018	51639	Civil & Raster Software Renewal			2,672.24
<b>Vendor 01436 - DLT Solutions LLC Total:</b>					<b>2,672.24</b>
<b>Vendor: 01449 - Don's Saw &amp; Mower Service</b>					
02/16/2018	51625	Misc. Supplies - Lake			21.00
02/28/2018	51654	Repairs - #54, 08 Jeep - Muffler			257.05
<b>Vendor 01449 - Don's Saw &amp; Mower Service Total:</b>					<b>278.05</b>
<b>Vendor: 01474 - Eagles Security Systems</b>					
02/16/2018	51626	Building Security - Shop			363.00
02/16/2018	51626	Building Security - Office			105.00
<b>Vendor 01474 - Eagles Security Systems Total:</b>					<b>468.00</b>
<b>Vendor: 01480 - Employment Development Dept.</b>					
02/12/2018	DFT0002689	State Income Tax Withholding			4.64
02/12/2018	DFT0002692	State Disability Withholding			0.59
02/26/2018	DFT0002698	State Income Tax Withholding			4,047.52
02/26/2018	DFT0002701	State Disability Withholding			1,051.15
<b>Vendor 01480 - Employment Development Dept. Total:</b>					<b>5,103.90</b>
<b>Vendor: 01526 - Federal Express Corp.</b>					
02/23/2018	51643	Postage			33.16
<b>Vendor 01526 - Federal Express Corp. Total:</b>					<b>33.16</b>

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01528 - FGL Environmental</b>					
02/09/2018	51584	Lab Fees - TP			321.00
02/09/2018	51584	Lab Fees - TP			24.00
02/09/2018	51584	Lab Fees - TP			50.00
<b>Vendor 01528 - FGL Environmental Total:</b>					<b>395.00</b>
<b>Vendor: 02945 - Fiserv Solutions, LLC</b>					
02/16/2018	51627	Bank Charges			34.08
<b>Vendor 02945 - Fiserv Solutions, LLC Total:</b>					<b>34.08</b>
<b>Vendor: 01548 - Foothill Mill &amp; Lumber Co.</b>					
02/28/2018	51656	Misc. Supplies - Lake			101.47
02/28/2018	51656	Misc. Supplies - Lake			131.16
02/28/2018	51656	Misc. Supplies - Shop			4.70
<b>Vendor 01548 - Foothill Mill &amp; Lumber Co. Total:</b>					<b>237.33</b>
<b>Vendor: 02813 - FTJ CORP ACCT</b>					
02/08/2018	1184	Retirement - 401(a) Match			2,671.84
02/08/2018	1184	Retirement Trust - 457			2,671.84
02/08/2018	1184	Deferred Comp 457			8,349.71
02/08/2018	1184	Retirement Trust - 457			388.22
02/08/2018	1184	Retirement Trust - 457			2,121.97
02/08/2018	1184	Loan Payment			885.59
02/08/2018	1184	Loan Payment			182.27
02/08/2018	1184	Loan Payment			40.11
02/08/2018	1184	Loan Payment			527.47
02/08/2018	1184	Loan Payment			184.94
02/22/2018	1186	Retirement - 401(a) Match			1.63
02/22/2018	1186	Retirement Trust - 457			1.63
02/22/2018	1186	Deferred Comp 457			4.89
02/22/2018	1186	Retirement - 401(a) Match			2,720.79
02/22/2018	1186	Retirement Trust - 457			2,720.79
02/22/2018	1186	Deferred Comp 457			8,496.57
02/22/2018	1186	Retirement Trust - 457			496.87
02/22/2018	1186	Retirement Trust - 457			2,426.97
02/22/2018	1186	Loan Payment			685.90
02/22/2018	1186	Loan Payment			182.27
02/22/2018	1186	Loan Payment			40.11
02/22/2018	1186	Loan Payment			527.47
02/22/2018	1186	Loan Payment			184.94
<b>Vendor 02813 - FTJ CORP ACCT Total:</b>					<b>36,514.79</b>
<b>Vendor: 01584 - Gene's A-1 Glass</b>					
02/28/2018	51657	24" x 96" x 1/4" plexiglass for ga..			124.99
<b>Vendor 01584 - Gene's A-1 Glass Total:</b>					<b>124.99</b>
<b>Vendor: 01587 - Genterra Consultants, Inc.</b>					
02/16/2018	51628	Dam Surveillance			31,961.25
<b>Vendor 01587 - Genterra Consultants, Inc. Total:</b>					<b>31,961.25</b>
<b>Vendor: 01649 - Harbor Freight Tools</b>					
02/09/2018	51585	Construction & Maint. Supplies -..			106.15
<b>Vendor 01649 - Harbor Freight Tools Total:</b>					<b>106.15</b>
<b>Vendor: 01648 - Harper &amp; Associates Engineering, Inc.</b>					
02/28/2018	51658	Job #18-02 - C Tank			10,665.00
<b>Vendor 01648 - Harper &amp; Associates Engineering, Inc. Total:</b>					<b>10,665.00</b>
<b>Vendor: 02889 - Health Equity, Inc.</b>					
02/08/2018	1185	Monthly Fees - 01/18			218.30
02/09/2018	DFT0002684	HSA Contribution			-41.67
02/23/2018	DFT0002703	HSA Contribution			-41.67
02/23/2018	DFT0002697	HSA Contribution			739.24
<b>Vendor 02889 - Health Equity, Inc. Total:</b>					<b>874.20</b>

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01688 - Home Depot Credit Services</b>					
02/23/2018	51644	Bldg & Grounds Maint. - Shop			861.96
<b>Vendor 01688 - Home Depot Credit Services Total:</b>					<b>861.96</b>
<b>Vendor: 01705 - Hunt &amp; Sons, Inc.</b>					
02/16/2018	51629	300gals. unleaded gasoline			949.15
02/16/2018	51629	100gals. dyed diesel			287.31
02/16/2018	51629	365gals. unleaded gasoline			1,093.10
<b>Vendor 01705 - Hunt &amp; Sons, Inc. Total:</b>					<b>2,329.56</b>
<b>Vendor: 01713 - I.B.E.W. Local Union 1245</b>					
02/09/2018	51586	Union Dues			1,176.75
02/09/2018	51586	Union Dues - processing fee			-58.00
02/23/2018	51645	Union Dues			1,176.75
02/23/2018	51645	Union Dues - Processing fee			-58.00
<b>Vendor 01713 - I.B.E.W. Local Union 1245 Total:</b>					<b>2,237.50</b>
<b>Vendor: 01722 - Infinisource Cobra Compliance</b>					
02/23/2018	51646	Flexible Benefits			80.00
<b>Vendor 01722 - Infinisource Cobra Compliance Total:</b>					<b>80.00</b>
<b>Vendor: 02807 - Infosend</b>					
02/09/2018	51587	Postage			3,564.24
02/09/2018	51587	Postage			2,425.57
<b>Vendor 02807 - Infosend Total:</b>					<b>5,989.81</b>
<b>Vendor: 01720 - Inland Business Systems</b>					
02/28/2018	51659	Office Equip. Maint. - Office			300.03
<b>Vendor 01720 - Inland Business Systems Total:</b>					<b>300.03</b>
<b>Vendor: 01731 - Internal Revenue Service</b>					
02/12/2018	DFT0002685	FICA Withholding			5.16
02/12/2018	DFT0002686	Fed Withholding			4.16
02/12/2018	DFT0002688	Medicare Withholding			1.20
02/12/2018	DFT0002690	FICA Withholding			7.34
02/12/2018	DFT0002691	Fed Withholding			6.33
02/12/2018	DFT0002693	Medicare Withholding			1.72
02/26/2018	DFT0002699	FICA Withholding			12,888.36
02/26/2018	DFT0002700	Fed Withholding			10,448.89
02/26/2018	DFT0002702	Medicare Withholding			3,014.20
02/26/2018	DFT0002705	FICA Withholding			5.16
02/26/2018	DFT0002706	Fed Withholding			4.16
02/26/2018	DFT0002708	Medicare Withholding			1.20
<b>Vendor 01731 - Internal Revenue Service Total:</b>					<b>26,387.88</b>
<b>Vendor: 01888 - Meeks</b>					
02/28/2018	51660	Construction & Maint. Supplies -..			53.85
<b>Vendor 01888 - Meeks Total:</b>					<b>53.85</b>
<b>Vendor: 01890 - Mendon's Nursery</b>					
02/28/2018	51661	Garden			2,057.49
02/28/2018	51661	Garden			400.28
02/28/2018	51661	Garden			143.31
<b>Vendor 01890 - Mendon's Nursery Total:</b>					<b>2,601.08</b>
<b>Vendor: 01905 - Minasian, Meith, Soares, Sexton &amp; Cooper, LLP</b>					
02/16/2018	51630	Legal Fees			11,993.10
<b>Vendor 01905 - Minasian, Meith, Soares, Sexton &amp; Cooper, LLP Total:</b>					<b>11,993.10</b>
<b>Vendor: 01908 - MJB Welding Supply</b>					
02/09/2018	51588	(4) 6" x 89" sanding belts			164.69
<b>Vendor 01908 - MJB Welding Supply Total:</b>					<b>164.69</b>
<b>Vendor: 01939 - National Meters and Automation</b>					
02/16/2018	51631	(12) Model 25 Register & Conne...			902.79
02/16/2018	51631	(12) METER - Plastic 3/4' - Body...			670.05
<b>Vendor 01939 - National Meters and Automation Total:</b>					<b>1,572.84</b>

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 01977 - North Valley Barricade</b>					
02/09/2018	51589	Safety Supplies - Shop			750.75
02/16/2018	51632	Safety Supplies - Shop			250.38
02/28/2018	51662	Safety Supplies - Shop			128.38
<b>Vendor 01977 - North Valley Barricade Total:</b>					<b>1,129.51</b>
<b>Vendor: 01989 - North Valley Tree Service</b>					
02/09/2018	51590	tree removal			500.00
<b>Vendor 01989 - North Valley Tree Service Total:</b>					<b>500.00</b>
<b>Vendor: 01980 - Northern Recycling &amp; Waste Svcs</b>					
02/16/2018	51633	Garbage - Lake			93.75
02/16/2018	51633	Garbage - TP			41.25
02/16/2018	51633	Garbage - Shop			149.97
02/16/2018	51633	Landfill Fees - Shop			6.00
02/16/2018	51633	Garbage - Office			53.32
<b>Vendor 01980 - Northern Recycling &amp; Waste Svcs Total:</b>					<b>344.29</b>
<b>Vendor: 01950 - Northstate Aggregate, Inc.</b>					
02/09/2018	51591	Construction & Maint. Supplies -..			453.25
02/09/2018	51591	Construction & Maint. Supplies -..			476.37
02/09/2018	51591	Garden			525.00
<b>Vendor 01950 - Northstate Aggregate, Inc. Total:</b>					<b>1,454.62</b>
<b>Vendor: 01995 - Office Depot</b>					
02/09/2018	51592	Office Supplies - Shop			14.99
02/09/2018	51592	Office Supplies - Shop			47.75
02/09/2018	51592	Office Supplies - Shop			23.82
02/28/2018	51663	Office Supplies - Office			65.19
02/28/2018	51663	Office Supplies - Shop			69.42
02/28/2018	51663	Office Supplies - Office			175.10
02/28/2018	51663	Office Supplies - Shop			101.75
<b>Vendor 01995 - Office Depot Total:</b>					<b>498.02</b>
<b>Vendor: 02005 - Olin Corp.-Chlor Alkali</b>					
02/09/2018	51593	Sodium Hypochlorite 12.5% (bl...			3,546.31
<b>Vendor 02005 - Olin Corp.-Chlor Alkali Total:</b>					<b>3,546.31</b>
<b>Vendor: 01538 - O'Reilly Auto Parts</b>					
02/09/2018	51594	Repairs - #29, 09 Dump Truck - ...			53.93
02/09/2018	51594	Equipment Repairs - Shop			14.00
02/09/2018	51594	Repairs - #29, 09 Dump Truck - ...			97.47
02/09/2018	51594	Repairs - #29, 09 Dump Truck - ...			47.03
02/09/2018	51594	Repairs - #29, 09 Dump Truck - ...			368.77
02/09/2018	51594	Construction & Maint. Supplies -..			11.64
02/09/2018	51594	Repairs - #29, 09 Dump Truck - F..			16.37
02/09/2018	51594	Construction & Maint. Supplies -..			86.14
02/09/2018	51594	Repairs - #23, 08 Backhoe - Exh...			116.35
02/09/2018	51594	Repairs - #10, 02 Truck - Alterna...			163.23
02/09/2018	51594	Sm Hand Tools - Shop			162.68
02/09/2018	51594	Construction & Maint. Supplies -..			17.22
02/09/2018	51594	Construction & Maint. Supplies -..			1.33
02/09/2018	51594	Repairs - #19, 15 Dump Truck - ...			32.31
02/09/2018	51594	Construction & Maint. Supplies -..			12.92
02/09/2018	51594	Repairs - #21, 15 Service Truck - ..			194.33
02/09/2018	51594	Construction & Maint. Supplies -..			150.83
02/09/2018	51594	Repairs - #33, 15 Dump Truck - ...			6.75
02/09/2018	51594	Repairs - #32, 07 Service Truck - ..			23.33
02/09/2018	51594	Construction & Maint. Supplies -..			26.66
02/09/2018	51594	Vehicles/Equipment - Gas/Oil - ...			96.85
<b>Vendor 01538 - O'Reilly Auto Parts Total:</b>					<b>1,700.14</b>
<b>Vendor: 02081 - Pacific Gas &amp; Electric Company</b>					
02/16/2018	51634	(6) Locations - MS			56.88
02/09/2018	51596	Geppetto North End			19.06

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
02/09/2018	51596	Paradise Dam #2 Park			88.13
02/09/2018	51596	8764 Skyway			100.06
02/09/2018	51596	Mag Res Filtration Plant			13,771.09
02/09/2018	51596	Bader Mine Rd. -Electric			41.34
02/09/2018	51596	W/S Skyway 1000FT N/Rock Ln.			9.53
02/09/2018	51596	Nunnely Rd. Ext. Tank Res #E			19.94
02/09/2018	51596	Moore Rd. ES Forest Serv. Rd. - ...			7.84
02/09/2018	51596	Frank Turner Way Tank Res #C			18.63
02/09/2018	51596	Moore Rd. ES Forest Serv. Rd. - ...			2,007.35
02/09/2018	51596	6344 Clark Rd. - GAS			133.49
02/09/2018	51596	5320 Pentz Rd. - ELECTRIC			12.46
02/09/2018	51596	Lovely Ln. N/End Tank Res #D			21.68
02/09/2018	51596	Skyway W/S N/Clark Tank Res #A			19.00
02/09/2018	51596	6332 Clark Rd. - ELECTRIC			2,013.41
02/09/2018	51596	6332 Clark Rd. - GAS			281.19
Vendor 02081 - Pacific Gas & Electric Company Total:					18,621.08
Vendor: 02080 - Paradise Garden Center					
02/28/2018	51664	Garden			39.18
Vendor 02080 - Paradise Garden Center Total:					39.18
Vendor: 02109 - Paradise Pines True Value					
02/28/2018	51665	Misc. Supplies - Lake			13.53
Vendor 02109 - Paradise Pines True Value Total:					13.53
Vendor: 02059 - Payless Building Supply					
02/28/2018	51666	Garden			92.84
Vendor 02059 - Payless Building Supply Total:					92.84
Vendor: 02872 - Peerless Bldg. Maintenance Inc.					
02/09/2018	51597	Janitorial Service - Office			450.00
Vendor 02872 - Peerless Bldg. Maintenance Inc. Total:					450.00
Vendor: 02087 - Pinpoint Products					
02/09/2018	51598	LC 2500 Leak Noise Correlator			21,007.38
02/22/2018	51640	Zcorr DCL (3) Logger			8,928.88
Vendor 02087 - Pinpoint Products Total:					29,936.26
Vendor: 02062 - Pitney Bowes Purchase Power					
02/28/2018	51667	Meter Postage			1,005.00
Vendor 02062 - Pitney Bowes Purchase Power Total:					1,005.00
Vendor: 02098 - Pollard Water					
02/09/2018	51599	fire hose 2-1/2" x 15'			191.20
02/09/2018	51599	(2) fire hose 2-1/2" x 50'			462.48
Vendor 02098 - Pollard Water Total:					653.68
Vendor: 01631 - Rental Guys					
02/28/2018	51668	Equipment Rental - Shop			139.54
Vendor 01631 - Rental Guys Total:					139.54
Vendor: 02057 - Riebes Auto Parts					
02/09/2018	51600	Repairs - #29, 09 Dump Truck - ...			15.95
02/09/2018	51600	Repairs - #29, 09 Dump Truck - ...			26.51
02/09/2018	51600	Repairs - #23, 08 Backhoe - Air F...			45.11
02/09/2018	51600	Repairs - #23, 08 Backhoe - Air F...			17.05
02/09/2018	51600	Construction & Maint. Supplies -..			6.13
02/09/2018	51600	Construction & Maint. Supplies -..			-2.74
02/09/2018	51600	Construction & Maint. Supplies -..			4.99
Vendor 02057 - Riebes Auto Parts Total:					113.00
Vendor: 02263 - Sinclair Towing					
02/28/2018	51669	Repairs - #32, 07 Service Truck -...			79.95
Vendor 02263 - Sinclair Towing Total:					79.95



## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
<b>Vendor: 02264 - Skyway Tools Center</b>					
02/09/2018	51601	Construction & Maint. Supplies -..			24.64
<b>Vendor 02264 - Skyway Tools Center Total:</b>					<b>24.64</b>
<b>Vendor: 02362 - Thomas Ace Hardware</b>					
02/09/2018	51611	Construction & Maint. Supplies -..			4.70
02/09/2018	51611	Construction & Maint. Supplies -..			26.17
02/09/2018	51611	Misc. Supplies - TP			2.39
02/09/2018	51611	Construction & Maint. Supplies -..			14.64
02/09/2018	51611	Misc. Supplies - TP			21.54
02/09/2018	51611	Construction & Maint. Supplies -..			42.22
02/09/2018	51611	Sm Hand Tools - Shop			6.89
02/09/2018	51611	Misc. Supplies - TP			16.10
02/09/2018	51611	Construction & Maint. Supplies -..			14.56
02/09/2018	51611	Construction & Maint. Supplies -..			12.07
02/09/2018	51611	Construction & Maint. Supplies -..			39.17
02/09/2018	51611	Misc. Supplies - TP			5.59
02/09/2018	51611	Construction & Maint. Supplies -..			10.26
02/09/2018	51611	Construction & Maint. Supplies -..			3.91
02/09/2018	51611	Construction & Maint. Supplies -..			9.10
02/09/2018	51611	Garden			8.23
02/09/2018	51611	Construction & Maint. Supplies -..			307.65
02/09/2018	51611	2.07			2.07
02/09/2018	51611	Construction & Maint. Supplies -..			15.72
02/09/2018	51611	Misc. Supplies - TP			18.71
02/09/2018	51611	Construction & Maint. Supplies -..			15.07
02/09/2018	51611	Sm Hand Tools - Lake			147.80
02/09/2018	51611	Construction & Maint. Supplies -..			13.77
02/09/2018	51611	Construction & Maint. Supplies -..			14.97
02/09/2018	51611	Distribution Supplies - B Res			8.21
02/09/2018	51611	Construction & Maint. Supplies -..			11.31
02/09/2018	51611	Construction & Maint. Supplies -..			9.10
02/09/2018	51611	Construction & Maint. Supplies -..			2.55
02/09/2018	51611	Construction & Maint. Supplies -..			54.67
02/09/2018	51611	Construction & Maint. Supplies -..			5.03
02/09/2018	51611	Sm Hand Tool - Shop			5.59
02/09/2018	51611	Construction & Maint. Supplies -..			8.60
02/09/2018	51611	Sm Hand Tools - Shop			32.75
02/09/2018	51611	Safety Supplies - Shop			22.39
02/09/2018	51611	Misc. Supplies - TP			2.70
<b>Vendor 02362 - Thomas Ace Hardware Total:</b>					<b>936.20</b>
<b>Vendor: 02363 - Thomas Hydraulic</b>					
02/09/2018	51605	Construction & Maint. Supplies -..			66.07
<b>Vendor 02363 - Thomas Hydraulic Total:</b>					<b>66.07</b>
<b>Vendor: 02371 - Tittle &amp; Company, LLP</b>					
02/16/2018	51635	Accounting			13,000.00
<b>Vendor 02371 - Tittle &amp; Company, LLP Total:</b>					<b>13,000.00</b>
<b>Vendor: 02964 - T-Mobile</b>					
02/09/2018	51606	Fireflies - CS			355.49
<b>Vendor 02964 - T-Mobile Total:</b>					<b>355.49</b>
<b>Vendor: 03014 - TWHC</b>					
02/28/2018	51670	Accounting			3,000.00
<b>Vendor 03014 - TWHC Total:</b>					<b>3,000.00</b>
<b>Vendor: 02394 - Tyler Technologies, Inc.</b>					
02/09/2018	51607	Maintenance - 02/18			200.00
<b>Vendor 02394 - Tyler Technologies, Inc. Total:</b>					<b>200.00</b>
<b>Vendor: 02824 - US Bank Corporate Payment System</b>					
02/23/2018	51647	Office Supplies - Office			12.99
02/23/2018	51647	Office Supplies - Office			19.99

## Expense Approval Report

Payment Dates: 02/01/2018 - 02/28/2018

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
02/23/2018	51647	Trend Micro Worry-Free Busine...			867.60
02/23/2018	51647	Trend Micro interscan messagi...			295.35
02/23/2018	51647	Postage			16.95
02/23/2018	51647	Office Supplies - Office			99.00
02/23/2018	51647	Office Supplies - Office			18.00
02/23/2018	51647	Training			26.74
02/23/2018	51647	Conferences & Meetings - Office			85.00
02/23/2018	51647	Training			24.00
02/23/2018	51647	2018 Municipal Membership R...			110.00
02/23/2018	51647	Training			24.00
02/23/2018	51647	Office Supplies - Office			14.99
02/23/2018	51647	Office Supplies - Office			30.34
02/23/2018	51647	Office Supplies - Office			29.99
02/23/2018	51647	Office Supplies - Office			17.98
02/23/2018	51647	Office Supplies - Office			13.99
02/23/2018	51647	Job #17-02 - B Res Replacement...			79.84
02/23/2018	51647	Training			85.00
02/23/2018	51647	Misc. Supplies - TP			8.00
02/23/2018	51647	Repairs - B Res Sump Pump - Co...			128.57
02/23/2018	51647	Training			27.89
02/23/2018	51647	Office Supplies - Office			13.99
02/23/2018	51647	Office Supplies - Office			12.98
02/23/2018	51647	SonicWall VPN Setup			187.50
02/23/2018	51647	Windows 2008 VPN			290.00
02/23/2018	51647	Office Supplies - Office			52.86
02/23/2018	51647	Training			34.99
02/23/2018	51647	Content Filtering Service 1 year			293.00
02/23/2018	51647	Sonic Wall Intrusion Prevention...			221.00
Vendor 02824 - US Bank Corporate Payment System Total:					<b>3,142.53</b>
Vendor: 02714 - Wagner & Bonsignore					
02/28/2018	51671	Water Rights Petition			62.50
Vendor 02714 - Wagner & Bonsignore Total:					<b>62.50</b>
Vendor: 03002 - Water Works Engineers					
02/09/2018	51608	Job #17-04 - Backawsh Waste N...			10,418.38
Vendor 03002 - Water Works Engineers Total:					<b>10,418.38</b>
Vendor: 02747 - Wienhoff & Associates, Inc.					
02/16/2018	51636	Physicals-DMV & PreEmployme...			140.00
Vendor 02747 - Wienhoff & Associates, Inc. Total:					<b>140.00</b>
Vendor: 02778 - Wurth USA Inc.					
02/09/2018	51609	Construction & Maint. Supplies -..			149.47
Vendor 02778 - Wurth USA Inc. Total:					<b>149.47</b>
Vendor: 02787 - Zee Service Company					
02/16/2018	51637	Safety Supplies - Shop			76.72
02/16/2018	51637	Safety Supplies - Shop			144.60
02/28/2018	51672	Janitorial Supplies - Shop			106.30
Vendor 02787 - Zee Service Company Total:					<b>327.62</b>
Vendor: 02867 - Zenner USA					
02/16/2018	51638	(300) METER - Fire Fly			21,211.13
02/09/2018	51610	(300) METER - Fire Fly			21,212.69
Vendor 02867 - Zenner USA Total:					<b>42,423.82</b>
Grand Total:					<b>384,988.59</b>

## Report Summary

## Fund Summary

Fund	Payment Amount
01 - GENERAL FUND	384,988.59
<b>Grand Total:</b>	<b>384,988.59</b>

## Account Summary

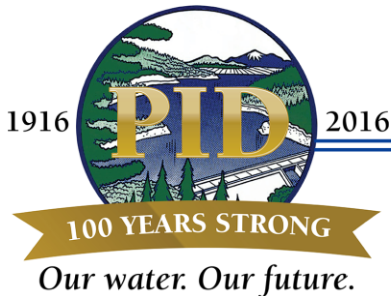
Account Number	Account Name	Payment Amount
01-10-601030	Office Supplies	2,672.24
01-10-610012	D Tank Well SFM 98 19841	19.06
01-10-611011	Lake - 873-1040	18.85
01-10-630046	Reservoir Surveillance	31,961.25
01-122010	Pre-Paid Insurance - Dental	3,491.25
01-122020	Pre-Paid Insurance - Life	796.20
01-122040	Pre-Paid Insurance - Medi...	72,338.09
01-122050	Pre-Paid Insurance - Vision	848.82
01-125010	Inventory - General	43,996.66
01-150253	Const in Progress-Water R...	62.50
01-15-601050	Small Hand Tools	147.80
01-15-601090	Misc. Supplies	271.86
01-15-610013	Picnic Area ZFM 60 54601...	88.13
01-15-630029	Garbage	93.75
01-210020	Federal Withholding	10,463.54
01-210030	FICA	15,924.34
01-210040	Garnishments	809.52
01-210042	Loan - Retirement	3,441.07
01-210045	Retirement	33,073.72
01-210050	State Disability	1,051.74
01-210060	State Withholding	4,052.16
01-210065	Union Dues	2,237.50
01-30-600071	Corrosion Control Chemic...	20,104.23
01-30-600072	Treatment Chemicals	3,546.31
01-30-601020	Janitorial Supplies	15.00
01-30-601099	Miscellaneous Supplies	75.03
01-30-610032	T.Plant to B Res RFM 98-2...	100.06
01-30-610033	T. Plant SFM 10-37162	13,771.09
01-30-611031	877-3554 TPlant Line 1	158.95
01-30-623000	Structure Repairs	10,498.22
01-30-630035	Garbage	41.25
01-30-630040	Lab Fees	1,510.00
01-30-630060	Uniforms	272.74
01-30-675040	Training	112.89
01-40-601014	Welding Supplies	501.79
01-40-601020	Janitorial Supplies	106.30
01-40-601030	Office Supplies	282.81
01-40-601040	Safety Supplies	1,373.22
01-40-601050	Small Hand Tools	207.91
01-40-601060	Construction & Maint. Su...	3,163.34
01-40-601073	Distribution Supplies	8.21
01-40-610041	Moore Rd Pump QFM 37-...	2,291.26
01-40-611041	234-841-0571 T.Plant to B...	170.97
01-40-611049	Phone - Shop Fax 872-7413	20.38
01-40-611063	530-877-7529 B-Res Alarm	20.31
01-40-620000	Vehicles/Equipment-Gas/...	2,426.41
01-40-621000	Equipment-Repairs	4,154.94
01-40-622001	Equipment Purch > \$2500	29,936.26
01-40-623000	Structure Repairs	10,665.00
01-40-630010	Bldg & Grounds Maintena...	861.96
01-40-630015	Building Security	363.00
01-40-630023	Physicals-DMV & PreEmpl...	140.00

**Account Summary**

<b>Account Number</b>	<b>Account Name</b>	<b>Payment Amount</b>
01-40-630030	Equipment Rental	139.54
01-40-630035	Garbage	149.97
01-40-630036	Landfill Fees	366.47
01-40-630057	Towel Service	1,384.61
01-40-630099	Miscellaneous Services	500.00
01-40-675040	Training	74.74
01-50-630099	Miscellaneous Services	200.00
01-50-699000	Miscellaneous	412.37
01-60-601030	Office Supplies	639.25
01-60-610061	Office BFM 04-52601	2,013.41
01-60-610062	Office BFM 04-52651	281.19
01-60-611061	877-4971 Office	600.20
01-60-611064	872-9706 Modem	145.33
01-60-611065	877-0819 Manager's Pho...	106.01
01-60-611066	876-0483 Office Fax	59.40
01-60-623000	Structure Repairs	3,391.32
01-60-630005	Janitorial Services	450.00
01-60-630015	Building Security	105.00
01-60-630025	Office Equipment Mainte...	2,454.48
01-60-630035	Garbage	53.32
01-60-635010	Accounting	16,000.00
01-60-635030	Legal	11,993.10
01-60-635050	Flexible Bene & COBRA Pl...	80.00
01-60-635099	Miscellaneous Prof. Servi...	1,320.00
01-60-650050	Dues	110.00
01-60-665000	Postage	7,044.92
01-60-675010	Conferences & Meetings	85.00
01-60-675040	Training	34.99
01-60-699031	Bank Charges.	34.08
<b>Grand Total:</b>		<b>384,988.59</b>

**Project Account Summary**

<b>Project Account Key</b>	<b>Payment Amount</b>
**None**	384,988.59
<b>Grand Total:</b>	<b>384,988.59</b>



## 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: Neil Essila, Assistant Engineer

DATE: March 15, 2018

RE: Dam-Break Inundation Study Proposals  
03/21/2018 Board of Directors Meeting

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). Owners of dams with classifications of 'extremely high hazard', 'high hazard', and 'significant hazard' must submit EAPs by January 1, 2018, January 1, 2019, and January 1, 2021, respectively.

EAPs submitted for review are further required to contain revised dam-break inundation maps that must first 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 out to four companies requesting assistance with the preparation of inundation studies and maps for PID's two dams. Three responses were received. Each of the proposing consultants has experience in conducting inundation studies. The proposals bore many similarities. In each proposal the analysis would be conducted using HEC-RAS to develop a 2 dimensional unsteady-flow model. However, there were differences in certain elements of the proposals.

The table below lists the proposing firms and their not-to exceed proposed costs. Staff recommends selection of Domenichelli and Associates (D&A) to conduct the inundation studies and mapping for PID. Inundation studies rely on topographic mapping to develop the hydraulic model. D&A proposes use of a higher resolution topographic base map and includes in their proposal a LIDAR (Light Detection and Ranging) drone survey for an area where this higher resolution mapping is not currently available. The other proposals would use existing mapping only.

The D&A proposal also has a significantly shorter proposed timeframe for completion. Since PID is already past the deadline for submitting an EAP for Paradise Dam, a prompt project delivery schedule is desirable. While not the lowest cost proposal, the

D&A study appears to provide value through quality and timeliness that more than offsets the modest additional cost.

**Dam-Break Inundation Study Proposals for Paradise and Magalia Dams**

(Costs reflect preparation of studies and maps for both dams.)

Company	Domenichelli & Assoc.	Genterra Consultants	West Consultants
Timeline	10 weeks	26 weeks	16-20 weeks
Not-to Exceed Cost	\$59,906	\$138,959	\$58,804

The following form of motion is requested:

*"I move 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", or provide direction to staff for negotiating changes to the proposal."*



## PARADISE IRRIGATION DISTRICT

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*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: March 21, 2018 (Board of Directors Meeting)**

**RE: Reservoir B Replacement Project  
State Revolving Fund Loan Construction Application  
Reimbursement Resolution No. 2018-01**

The District applied for and received a Planning Loan Agreement (executed December 16, 2016) from the State Water Resources Control Board (State Board) Drinking Water State Revolving Fund (DWSRF) for the Reservoir "B" Replacement (Project). Now that planning has proceeded to 60% design of the Project, the District was advised by the State Board's DWSRF project manager to prepare and submit a Construction Application for the Project.

DWSRF construction loans have 20 or 30 year repayment terms with interest rates around 2%. The requested funding amount in the construction application is \$12,000,000, which includes a \$2,500,000 contingency only to ensure there is an adequate funding amount in the construction loan agreement. The final loan amount is based on the actual costs upon completion of the Project. The funding is for reimbursement of all the District's Project related expenses. The first debt service payment begins about one year after project completion.

A resolution required as part of the financial portion of the construction application is called the "Reimbursement Resolution". The adoption of the resolution attached 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. The adoption provides compliance with Treasury Regulation Sec. 1.150-2, and other regulations of the Internal Revenue Service relating to reimbursing the District for Project costs paid prior to the State Board's approval of Project funds.

The recommended form of motion is:

***"I move 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."***



# PARADISE IRRIGATION DISTRICT

## REIMBURSEMENT RESOLUTION

### RESOLUTION BY THE BOARD OF DIRECTORS OF THE PARADISE IRRIGATION DISTRICT RESOLUTION NO. 2018-01

WHEREAS, the Paradise Irrigation District (the "Agency") desires to finance the costs of constructing and/or reconstructing certain public facilities and improvements relating to its water system, including certain water storage facilities, pipelines and other infrastructure (the "Project"); and

WHEREAS, the Agency intends to finance the construction and/or reconstruction of the Project or portions of the Project with moneys ("Project Funds") provided by the State of California, acting by and through the State Water Resources Control Board (State Water Board); and

WHEREAS, the State Water Board may fund the Project Funds with proceeds from the sale of obligations the interest upon which is excluded from gross income for federal income tax purposes (the "Obligations"); and

WHEREAS, prior to either the issuance of the Obligations or the approval by the State Water Board of the Project Funds, the Agency desires to incur certain capital expenditures (the "Expenditures") with respect to the Project from available moneys of the Agency; and

WHEREAS, the Agency has determined that those moneys to be advanced on and after the date hereof to pay the Expenditures are available only for a temporary period and it is necessary to reimburse the Agency for the Expenditures from the proceeds of the Obligations.

NOW, THEREFORE, THE AGENCY DOES HEREBY RESOLVE, ORDER AND DETERMINE AS FOLLOWS:

SECTION 1. The Agency hereby states its intention and reasonably expects to reimburse Expenditures paid prior to the issuance of the Obligations or the approval by the State Water Board of the Project Funds.

SECTION 2. The reasonably expected maximum principal amount of the Project Funds is \$12,000,000.

SECTION 3. This resolution is being adopted no later than 60 days after the date on which the Agency will expend moneys for the construction portion of the Project costs to be reimbursed with Project Funds.

SECTION 4. Each Agency Expenditure will be of a type properly chargeable to a capital account under general federal income tax principles.

SECTION 5. To the best of our knowledge, this Agency is not aware of the previous adoption of official intents by the Agency that have been made as a matter of course for the purpose of reimbursing expenditures and for which tax-exempt obligations have not been issued.

SECTION 6. This Resolution is adopted as official intent of the Agency in order to comply with Treasury Regulation §1.150-2 and any other regulations of the Internal Revenue Service relating to the qualification for reimbursement of Project costs.

SECTION 7. All the recitals in this Resolution are true and correct and this Agency so finds, determines and represents.

AYES:

NOES:

ABSENT:

PARADISE IRRIGATION DISTRICT

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

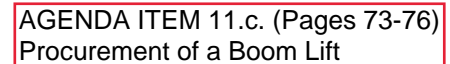
CERTIFICATION:

I do hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Board of Directors of the Paradise Irrigation District held on March 21, 2018.

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

District Seal





*"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."*

**Agenda Page 73**



EQUIPMENT SALE QUOTE  
RDDG

PAGE: 1  
OUT: RDDG

318 Stealth Court Livermore, California 94551-1616  
Billing Inquiries: (925) 961-0130 FAX (925) 456-9827  
Customer Service: 1 (800) 649-6629

CUSTOMER: CRESCO REDDING - TEMP RESO  
1453 GEORGE DRIVE  
REDDING, CA 96003

P.O. #: QUOTE Z45  
ORDERED BY: CLINT  
JOB LOCATION: CLINT PARADISE IRRIGATION  
JOB #:

Invoice#	Date
4593718-0000	3/07/18
Date and Time Out	By
3/07/18 11:43 AM	DENNISW
Date and Time In	By
Phone#	Alt Phone/Cell
530-351-7360	
Account #	Fax#
CASH	000-
Drivers Lic	Payment Method
CA CRESCO REDDING	

SALES ITEMS		DESCRIPTION	UNIT	PRICE	DISC. %	DISC. \$	AMOUNT CHARGED
QTY	ITEM NUMBER						
1	R125066012	CC: 012-5840 45'R/T DIESEL ART. BOOM LIFT Make: GENIE 4WD Model: Z45/25 PUR/FOAM Serial #: Z452506-29565 Sold as is and no warranty !!!!		30000.00			30000.00

*Year 2008*  
*665 Hrs*

TOTAL RENTAL AMOUNT	DELIVERY	PICK-UP	FUEL	TOTAL SALES ITEMS	SUB TOTAL	TAX	EQUIPMENT PROTECT /PLAN	MISC	LABOR/WEAR	
	500.0			30000.0	30500.00	7.250 2211.25				
					INITIALS				TOTAL CHARGES	32711.25

SIGNING PERSONALLY AND FOR THE CUSTOMER: CASH

X \_\_\_\_\_

SALES AGREEMENT


Cresco Equipment Rentals agrees to be bound by the terms and conditions of the Agreement.

CRESCO EQUIPMENT RENTALS:

BY: \_\_\_\_\_

INV\_EQSQ



"Serving Northern California Since 1972" 

Susanville (530) 251-4033 Red Bluff (530) 527-4700  
Paradise (530) 876-0206 Eureka (707) 798-6096  
Chico (530) 343-0219  
Redding (530) 222-5000

RENTALS ▾ SALES LANDSCAPE SUPPLIES STORAGE CONCRETE SERVICES RESOURCES

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2007

#### LIFT, 45' BOOM JLG 450AJ KNUKL (LIFT45KDC)



Image for reference only  
Actual item may look  
different

Model: 450AJ SII

Part Number: 9528002

Sale Price: \$19,500.00

Comments:

- Key Specs
- Platform Height: 45 ft / 13.72 m
- Platform Capacity - Unrestricted: 550 lb / 249.48 kg
- Horizontal Outreach: 25 ft / 7.62 m
- Key Features
- Improved multifunction capability increases productivity
- More durability and serviceability thanks to the new DuraTough hood design
- Larger capacity at 550 lb

Add 1 of the above items to my quote request

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*yes 2008*

#### LIFT, 45' BOOM GENIE Z-45/25 4X4 DSL (LIFT45KDG)

Model: Z-45/25

Sale Price: \$21,500.00

Comments:



Image for reference only  
Actual item may look  
different

- 45' LIFT HEIGHT
- FOUR WHEEL DRIVE
- ZERO TAIL SWING
- HORIZONTAL OUT REACH 24'6"
- SWING 360 DEGREES NON CONTINUOUS
- PLATFORM SIZE 30"X72"
- PLATFORM CAPACITY 500#
- OVERALL WIDTH 7' 4"
- GROUND CLEARANCE 14"
- WEIGHT 16,500#
- GRADEABILITY 4WD 45 DEGREES
- 8" AXLE OSCILLATION
- 16.5 GALLON FUEL TANK
- STOWED HEIGHT 7'5"
- STOWED LENGTH 21'5"

Add 1 of the above items to my quote request

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<https://www.rentalguys.com/forsale.asp?action=category&category=106&key=LIFT45KDG>

1/2



## 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."

**TO: PID Board of Directors**  
**FROM: Mickey Rich, Information Systems Manager**  
**DATE: March 21, 2018**  
**RE: Approval of software subscriptions for Microsoft & Adobe Products**

As needed, I have procured month-to-month software subscriptions for Microsoft & Adobe products. Subscription-based software is updated regularly with new features and includes updates to the newest versions without requiring us to make additional purchases. The software management tools automatically track licensing and software usage.

Product	Number of devices	Annual cost per user	Current number of subscriptions	Current Annual Cost
Microsoft Office 365 ProPlus	5	\$108.00	12	\$1,296.00
Adobe Acrobat DC	2	\$155.88	1	\$155.88
Adobe Acrobat Pro	2	\$179.88	1	\$179.88
Adobe Photoshop	2	\$239.88	1	\$239.88
<b>Total</b>				<b>\$1,871.64</b>

Microsoft offers a reduced-feature, one-time purchase option of Office 2016 Pro. The software cost is \$399.99 and can only be installed on one device. To date the District has more devices than employees (approx. 45). The software is not automatically updated to current versions. Adobe does not sell one-time versions of the referenced software.

We currently have 12 subscriptions for Microsoft Office and based on the number of employees who use Microsoft office, this amount could eventually increase to 31 subscriptions. The Adobe subscriptions may also increase over time to include a total of 15 subscriptions.

The following motion is recommended:

*"I move approval to authorize the Interim District Manager to procure annual software subscriptions according to District need."*





## 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: 3/15/2018**

**RE: 2018 Water Bond Measures  
03/21/2018 Board of Directors Meeting**

Two water bond measures will go before voters in 2018. 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 with the enactment of SB 5 (de León). The full text of Senate Bill No. 5 may be viewed by clicking on the following link, or you may contact the office to request a printed copy.  
[http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill\\_id=201720180SB5](http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB5)

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.

The Association of California Water Agencies (ACWA) has announced support of the 2018 water bond measures. The attached publication is presented by ACWA to provide general information about how Proposition 68 and the proposed November water bond would affect ACWA member agencies. Should the PID Board wish to support the 2018 water bond measures, a resolution is provided for consideration.

The recommended form of motion is:

"I move to adopt Resolution No. 2018-02 in support of the 2018 Water Bonds: Proposition 68 and the State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018."



## ***PARADISE IRRIGATION DISTRICT***

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### **RESOLUTION NO. 2018-02**

#### **RESOLUTION BY THE BOARD OF DIRECTORS OF THE PARADISE IRRIGATION DISTRICT IN SUPPORT OF THE 2018 WATER BONDS:**

#### **Proposition 68 and the State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018**

WHEREAS, California faces a new climate reality and a growing list of challenges associated with aging infrastructure, natural disasters, climate change, population growth and other factors; and

WHEREAS, the water community agrees that funding is needed to improve water supply reliability and ecosystem health in California; and

WHEREAS, the Legislature passed SB 5 (de León) which will be on the June 2018 ballot as Proposition 68 and which would set forth The California Drought, Water, Parks, Coastal Protection, and Outdoor Access for All Act of 2018; and

WHEREAS, a diverse group of stakeholders including water managers has developed The State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018 which will likely appear on the November 2018 ballot; and

WHEREAS, if approved by voters, these complementary measures would provide more than \$10 billion in General Obligation bond funding for drought preparedness projects, flood protection, safe drinking water, implementation of the Sustainable Groundwater Management Act, and other projects that will improve water supply reliability and ecosystem health; and

WHEREAS, projects funded through these bonds would provide substantial benefits for California communities and help ensure safe and reliable water for California's future; and

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the Paradise Irrigation District formally supports Proposition 68 (June ballot) and the State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration, and Drinking Water Protection Act of 2018 (November ballot).

PASSED AND ADOPTED this 21st day of March, 2018 by the following vote at a regular meeting of the Board of Directors.

AYES:

NOES:

ABSENT:

PARADISE IRRIGATION DISTRICT

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

ATTEST:

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



## TWO COMPLEMENTARY WATER BONDS WILL GO BEFORE VOTERS IN 2018

As securing California's water future becomes increasingly challenging, ensuring funding to mitigate the results of climate change, aging infrastructure, natural disasters and population growth are more important than ever. In response to those challenges, voters will have the opportunity to approve two general obligation bonds in 2018. One measure will appear on the June 2018 ballot, and the other measure will likely appear on the November 2018 ballot.

The two measures are complementary and, if approved, would work together to fund water-related projects intended to provide safe drinking water to disadvantaged communities, improve water supply reliability, help implement the Sustainable Groundwater Management Act (SGMA) and restore watersheds.

In recognition of the need for this funding, the Association of California Water Agencies (ACWA) Board of Directors voted unanimously to support both bonds.

The California Drought, Water, Parks, Coastal Protection, and Outdoor Access for All Act of 2018, will be placed on the June 2018 ballot as Proposition 68. This legislative bond measure resulted from the passage with bipartisan support of SB 5 (de León, 2017). This measure would authorize \$4.1 billion in general obligation bonds to finance water and park projects, climate change preparedness, coastal protection, and outdoor access.

Examples of its water project funding include money for safe drinking water for disadvantaged communities and funding for SGMA implementation.

The State Water Supply Infrastructure, Water Conveyance, Ecosystem and Watershed Protection and Restoration and Drinking Water Protection Act of 2018 (the November bond) is an \$8.9 billion water bond initiative measure. Initiative backers are currently completing the signature collection process to qualify the measure for placement on the November 2018 ballot. This bond would fund a wide range of water projects from safe drinking water projects to SGMA implementation and watershed improvements.

Though two separate measures, both would work together as a complementary pair to appropriate funding to a variety of needed projects. Together, they would provide more than \$10 billion for drought preparedness projects, flood protection, safe drinking water, implementation of the Sustainable Groundwater Management Act, and other projects that will improve water supply reliability and ecosystem health.

**The Association of California Water Agencies Board of Directors voted unanimously to support both bonds.**



# INVESTMENT IN THE CALIFORNIA WATER ACTION PLAN

The California Water Action Plan of 2014, was a major step in the right direction during California's most severe drought in recent history. The multi-prong plan, whose roots stem from ACWA's Statewide Water Action Plan (SWAP), outlines priority actions addressing water conservation, groundwater management, ecological restoration, Delta conveyance solutions, water storage, safe drinking water and more.

Since 2014, the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (also known as Proposition 1) has provided much needed investment in water supply reliability and ecosystem health projects and has also leveraged local and federal cost share funds.

Much like Proposition 1, both 2018 bonds, if approved, would result in an influx of local investment. Except for the storage component, pending qualification for bond funds, it's expected most of the money from Proposition 1 will be committed by 2019. As such, Proposition 68 and the November bond will help replenish the soon-to-be depleted funding source.

ACWA believes the two bonds are complementary initiatives that would serve California tremendously and help build upon the successes of Proposition 1. Enactment of the measures would secure further investment in the California Water Action Plan.







## FUNDING THE FUTURE OF SUSTAINABLE GROUNDWATER MANAGEMENT

The Sustainable Groundwater Management Act of 2014 (SGMA) established a new program for management of California's groundwater. SGMA required the formation of local Groundwater Sustainability Agencies (GSAs). It requires GSAs to develop and implement Groundwater Sustainability Plans (GSPs) that are consistent with Department of Water Resources' GSP regulations. This is a complex program that is very challenging and costly to implement.

The Legislature passed SGMA and the bill (AB 1471, Rendon, 2014) that became Proposition 1 (the 2014 Water Bond) in the same year. Because the bills that comprised SGMA and AB 1471 were being written and

moved through the Legislature at the same time, the funding for SGMA implementation was added late in the bond negotiation process. As a result, Proposition 1 included only \$100 million for SGMA implementation. The Legislature recognized then that more funding was needed. Essentially all of the remaining Proposition 1 SGMA funding is being committed in 2018.

The writers of Proposition 68 and the November bond recognized that additional bond funding was needed for SGMA implementation. Proposition 68 and the November bond would provide \$50 million and \$640 million, respectively, for SGMA implementation.

Essentially all of the remaining Proposition 1 SGMA funding is being committed in 2018.

# WATER BONDS FUNDING COMPARISON

Funding Category	Proposition 68 \$4.1 B (June Ballot)	November Bond \$8.9 B
	Funding in Millions	Funding in Millions
Forest Protection	\$110	\$120
Recycled Water and Desalination	\$80	\$800
Safe Drinking Water (and Wastewater)	\$330	\$750
SGMA Implementation	\$50	\$640
Conservation	\$20	\$365
Flood Management	\$550	\$500
Stormwater	\$100	\$400
Oroville Dam Safety	\$0	\$222
Madera & Friant-Kern Canals Improvements	\$0	\$750

*This is a highlight comparison of the funding categories in the two water bonds. This is not a complete list of the funding categories.*

*This publication is intended to provide general information about how Proposition 68 and the proposed November water bond would affect ACWA member agencies. Readers are encouraged to research the opponents' and proponents' views on both bonds.*

## FOR MORE INFORMATION

Questions about the two water bonds may be directed to ACWA Deputy Executive Director for Government Relations **Cindy Tuck** at [cindy@acwa.com](mailto:cindy@acwa.com).



## 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**

**DATE: 3/15/2018**

**RE: Cal Trust Account**  
**03/21/2018 Board of Directors Meeting**

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 is governed by a Board of Trustees made up of experienced local agency treasurers and investment officers. The Board sets overall policies for the program and selects and supervises the activities of the investment manager and other agents.

Cal Trust offers four account options – Government Fund, Money Market Fund, Short-Term Fund and Medium-Term Fund. Participants can select account options that match their investment time horizon and cash flow needs; and easily reallocate among accounts as circumstances warrant. All Cal Trust accounts comply with the limits and restrictions placed on agency investments by the California Government Code; no leverage is permitted in any of the Cal Trust accounts.

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. There is no cost to participate in Cal Trust.

The recommended form of motion is:

"I move to authorize the Interim District Manager to execute an agreement with Cal Trust to open an investment account."



	CalTRUST Short Term	LAIF		CalTRUST Short Term Total Return	CalTRUST Short Term Yield	LAIF Yield
Market Value	\$1,584,162,017.00	N/A	One Month	0.12%	0.12%	0.11%
NAV per Share	\$10.01	N/A	Three Month	0.24%	0.34%	0.32%
Yield	1.51%	1.37%	Six Month	0.55%	0.65%	0.60%
Period Total Return	0.12%	0.11%	One Year*	1.04%	1.18%	1.04%
Effective Duration	0.36 yrs.	N/A	Two Year*	0.94%	0.98%	0.83%
Average Maturity	0.78 yrs.	0.51 yrs	Three Year*	0.76%	0.82%	0.66%
			Five Year*	0.62%	0.64%	0.50%
			Ten Year*	0.86%	0.82%	0.78%
			Since Inception*	1.70%	1.68%	1.61%
			*Annualized			

Portfolio Sector Breakdown

- AGENCY BONDS - 8.0%
- ASSET BACKED SECURITIES - 12.6%
- BOND - 37.1%
- CERTIFICATE OF DEPOSIT - 15.8%
- COMMERCIAL MORTGAGE OBLIGATIONS - 0.0%
- COMMERCIAL PAPER - 2.9%
- MONEY MARKET FUNDS - 7.4%
- MUNCIPAL BOND - 5.7%
- U.S. GOVERNMENT - 10.4%

Portfolio Quality Break Down

- A 7.3%
- A+ 6.0%
- A-1+ 0.6%
- AA- 5.3%
- AA1 0.1%
- AAAm 7.4%
- NR 17.5%
- A- 5.3%
- A-1 8.9%
- AA 2.0%
- AA+ 20.4%
- AAA 15.8%
- BBB+ 3.4%



	CalTRUST Medium Term	Merrill Lynch 1-3 Corp & Gov't, A Rated and Above		CalTRUST Medium Term Total Return	CalTRUST Medium Term Yield	Merrill Lynch 1-3 Corp & Gov't, A Rated and Above
Market Value	\$1,159,842,225.00	N/A	One Month	-0.27%	0.14%	-0.24%
NAV per Share	\$9.94	N/A	Three Month	-0.31%	0.40%	-0.41%
Yield	1.97%	N/A	Six Month	-0.33%	0.78%	-0.35%
Period Return	-0.27%	-0.24%	One Year*	0.40%	1.41%	0.43%
Effective Duration	1.62 yrs.	1.86 yrs.	Two Year*	0.57%	1.22%	0.68%
Average Maturity	1.91 yrs.	1.93 yrs.	Three Year*	0.61%	1.10%	0.68%
			Five Year*	0.63%	0.94%	0.80%
			Ten Year*	1.29%	1.32%	1.66%
			Since Inception*	2.01%	2.03%	2.40%
*Annualized						

Portfolio Sector Breakdown

- AGENCY BONDS - 6.9%
- ASSET BACKED SECURITIES - 19.0%
- BOND - 36.8%
- MONEY MARKET FUNDS - 5.4%
- MUNICIPAL BOND - 20.7%
- U.S. GOVERNMENT - 11.2%

Portfolio Quality Break Down

- A 9.2%
- A+ 2.7%
- AA 9.6%
- AAA 29.9%
- BBB 0.7%
- NR 9.5%
- A- 4.5%
- AA 4.2%
- AA+ 20.6%
- AAAm 5.4%
- BBB+ 3.6%



## **PARADISE IRRIGATION DISTRICT**

Minutes of the Ad Hoc Demonstration Garden Committee Meeting

Held: February 23, 2018 - 9:00 AM

**DIRECTORS PRESENT:** Anne Rice, Bill Kellogg - Chairperson

**STAFF PRESENT:** Kevin Phillips

**COMMITTEE MEMBERS:** Chuck Bell, Ward Habriel, Mike Spiess

**PUBLIC MEMBERS PRESENT:** Fred Hofer

2. Ward shared information regarding Brochar & AgraPeet from AgraMarketing that help hold moisture in the soil. Fred Hofer shared his background and expressed interest in helping the committee. He was invited to join as a member.
3. Minutes were approved from last meeting.
4. PID Demonstration Garden Landscape Project Update:
  - a. Mike is about halfway done with the construction of the irrigation manifold. He noted that the water was turned off but the gauge on the high pressure side still read 40 psi and needs to be replaced. We need a key for the spigot.
  - b. Anne visited Paradise Garden Center & Northstate gravel. They both agreed to donate bark, rock, gravel, etc. for the hardscape display. Mike will build the frame after Kevin okays the purchase of materials. We would like to use pavers under the bench. Ward will donate some plus some stepping stones.
  - c. Kendel was absent but informed us by phone that most of the plants are here and that she has ordered the gopher cages.
  - d. Anne got a preliminary quote of \$1400 for the signs. It was decided to ask Kendel to pair down the number and not order them until after planting. Anne will order the 5" x 7" signs denoting the theme of each bed.
  - e. Anne met with Greg Dobbs regarding the 3' x5' sign with holders for brochures and donation envelopes. She also showed Keith O'Brien a picture of our design. They will begin work.
  - f. Kyle Lovelady from Butte College sent a design for the archway which was approved by the committee. Chuck & Mike supplied drawings for the "footer". We will arrange for transport when it is completed. Let Kevin know. Anne will email these to Kyle along with Mike's contact information.
  - g. PID has received \$1250 in cash donations, \$390 in materials and 167 hours of labor to date. Georgeanna provided a list of volunteers.
  - h. Anne submitted text for the plaque for approval. It will go to the Community Relations Committee for their input and approval.
  - i. Mike will contact the woodshop teacher at Paradise High regarding the bench
5. Next meeting Friday, March 16, 2018 at 9:00 AM
6. Meeting adjourned at 10:35 AM.

**Paradise Irrigation District – Ad Hoc Demonstration Garden Committee**

**Demonstration Garden Timeline**

**February 23, 2018**

**Week of March 4, 2018**

1. Debris needs to be removed
2. Install more bender board.

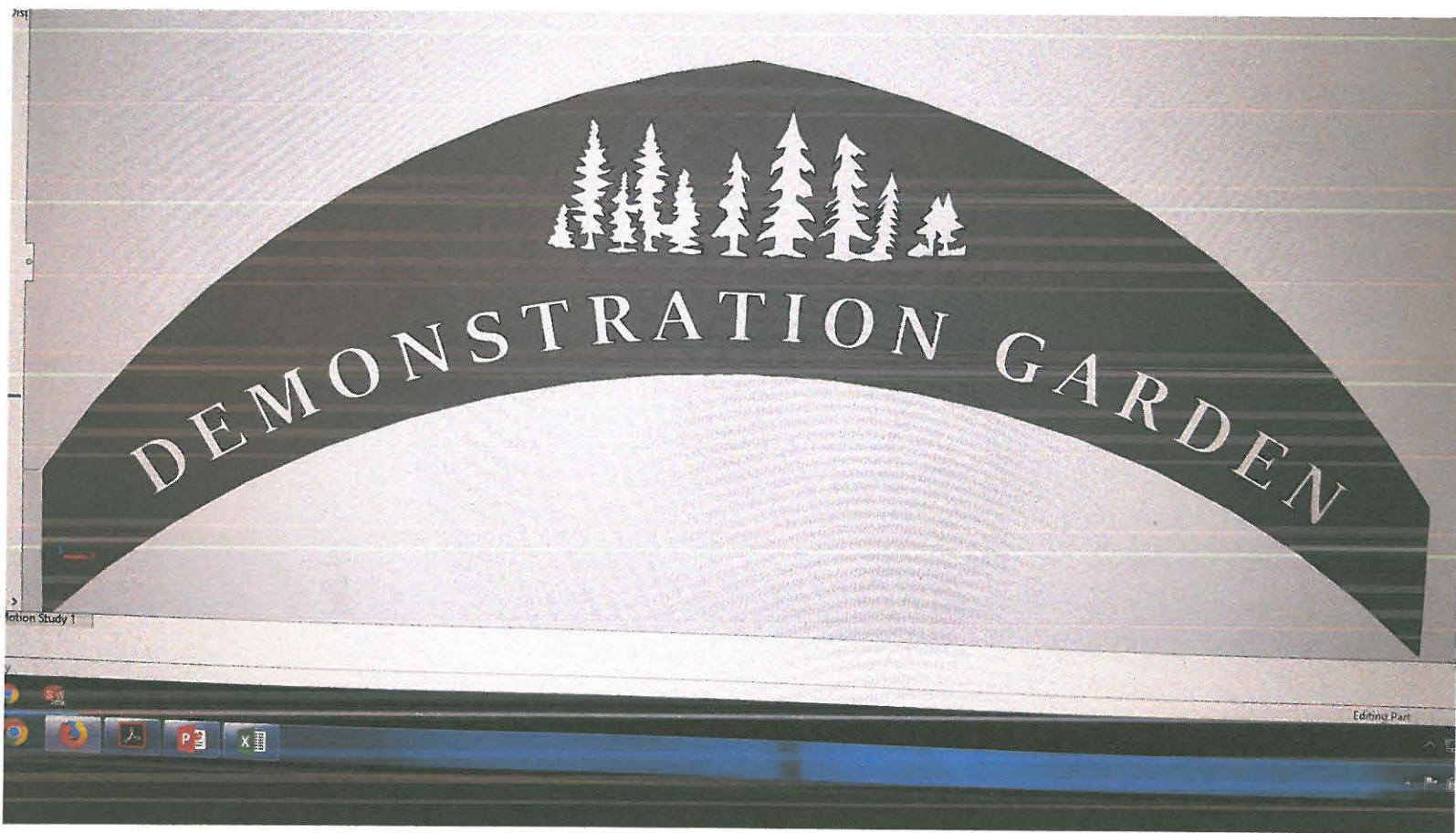
**Before next meeting**

1. Corp yard to Install Controller
2. Spray Round-up, Bill?
3. Finish manifold cover, Mike?

**Remainder of Work**

1. Planting with gopher cages?
2. Irrigation drip tubing and emitters
3. Move dedication rock
4. Arrange for transport of donated hardscape





**Buy a Bloom Donations  
10/1/2017 - 02/21/2018**

Date	Transaction Code	Applied Amount
10/2/2017	BLOOM	\$ 250.00
10/5/2017	BLOOM	\$ 25.00
10/12/2017	BLOOM	\$ 25.00
10/12/2017	BLOOM	\$ 50.00
10/12/2017	BLOOM	\$ 50.00
10/12/2017	BLOOM	\$ 100.00
10/16/2017	BLOOM	\$ 25.00
10/20/2017	BLOOM	\$ 25.00
10/23/2017	BLOOM	\$ 20.00
10/25/2017	BLOOM	\$ 50.00
10/27/2017	BLOOM	\$ 20.00
10/30/2017	BLOOM	\$ 20.00
11/2/2017	BLOOM	\$ 20.00
11/6/2017	BLOOM	\$ 25.00
11/15/2017	BLOOM	\$ 100.00
11/15/2017	BLOOM	\$ 50.00
11/20/2017	BLOOM	\$ 50.00
11/20/2017	BLOOM	\$ 50.00
11/21/2017	BLOOM	\$ 45.00
12/15/2017	BLOOM	\$ 75.00
12/27/2017	BLOOM	\$ 100.00
2/6/2018	BLOOM	\$ 50.00
2/13/2018	BLOOM	\$ 25.00
<b>Total Donations:</b>		<b>\$ 1,250.00</b>

**PID DEMONSTRATION GARDEN  
LIST OF DONATIONS / SERVICES OFFERED**

Volunteer Service/Materials	Name	Company	Telephone	E-mail	Description
Landscaping	Brice Fritts	Fritts Landscaping			Volunteer time to help work on garden
Volunteer Time (Retired Gardener)	Fred Hofer				Volunteer time to help work on garden
Plants / Materials	Robert Steinecke				Donation of various Cactus & Hen & Chicks Succulants
	Heather Browlee				Misc. materials for garden
Worm Castings		The Worm Farm			<b>\$240.00</b> contribution for Worm Castings
Fence Materials	Bill Kellogg				<b>\$150.00</b> contribution for fence materials

Time and Material Donations

Worm Castings		\$240.00
Fence Materials		\$150.00
Volunteer Hours	152	
Totals to Date	152	\$390.00

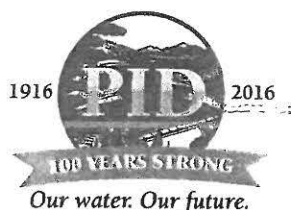
## Demonstration Garden

This demonstration garden is dedicated to Douglas Flesher, PID Division Five Director, a long time Butte College agriculture instructor, active in the Paradise Elks Lodge and youth organizations FFA and 4H. Whether he was teaching a 10-year-old about pigs in 4-H, helping wayward teens learn about welding or instructing agriculture students at Butte College, Doug highlighted education as one of the best ways to connect with people and make the world a better place.

He brought a great amount of enthusiasm and passion to his work as a PID Board member, serving from 2012 until his death in 2016. His last year he was named Vice President. He was a hearty proponent of this garden, enthusing often about the opportunity it would create for kids and adults to learn about the best plants for ridge landscaping, water-wise gardening concepts and different ways to efficiently irrigate a ridge garden.

Doug touched many lives. He will long be remembered for his donation of time and skills and love for his community.

Dedicated April 28, 2018



PARADISE IRRIGATION DISTRICT