

**STAFF REPORT
FIELD OPERATIONS
AUGUST 2018**

TRANSMISSION & DISTRIBUTION

MAINTENANCE WORK.

- Crews have been taking care of leaks/maintenance issues.
- 7 Mainline leaks were repaired this month. 2 were leak detection leaks.
- 292 Firefly's were replaced this month.
- 4 service lines were repaired/replaced this month.
- 1 hydrant was repaired this month.
- 1 hydrant was installed this month.

PFD/PID JOINT PIPELINE PROJECTS

- Use hydrant surcharge funds to upgrade substandard mains.
- Crestview/Crestwood project is in progress.

DEVELOPMENT PROJECTS

- None at this time.

CUSTOMER REIMBURSEMENT JOBS (by work order)

- Downsize from 1.5" to 1" @ 1146 Elliott Rd.
- Downsize from 1.5" to 1" @ 546 Oakwood Dr.

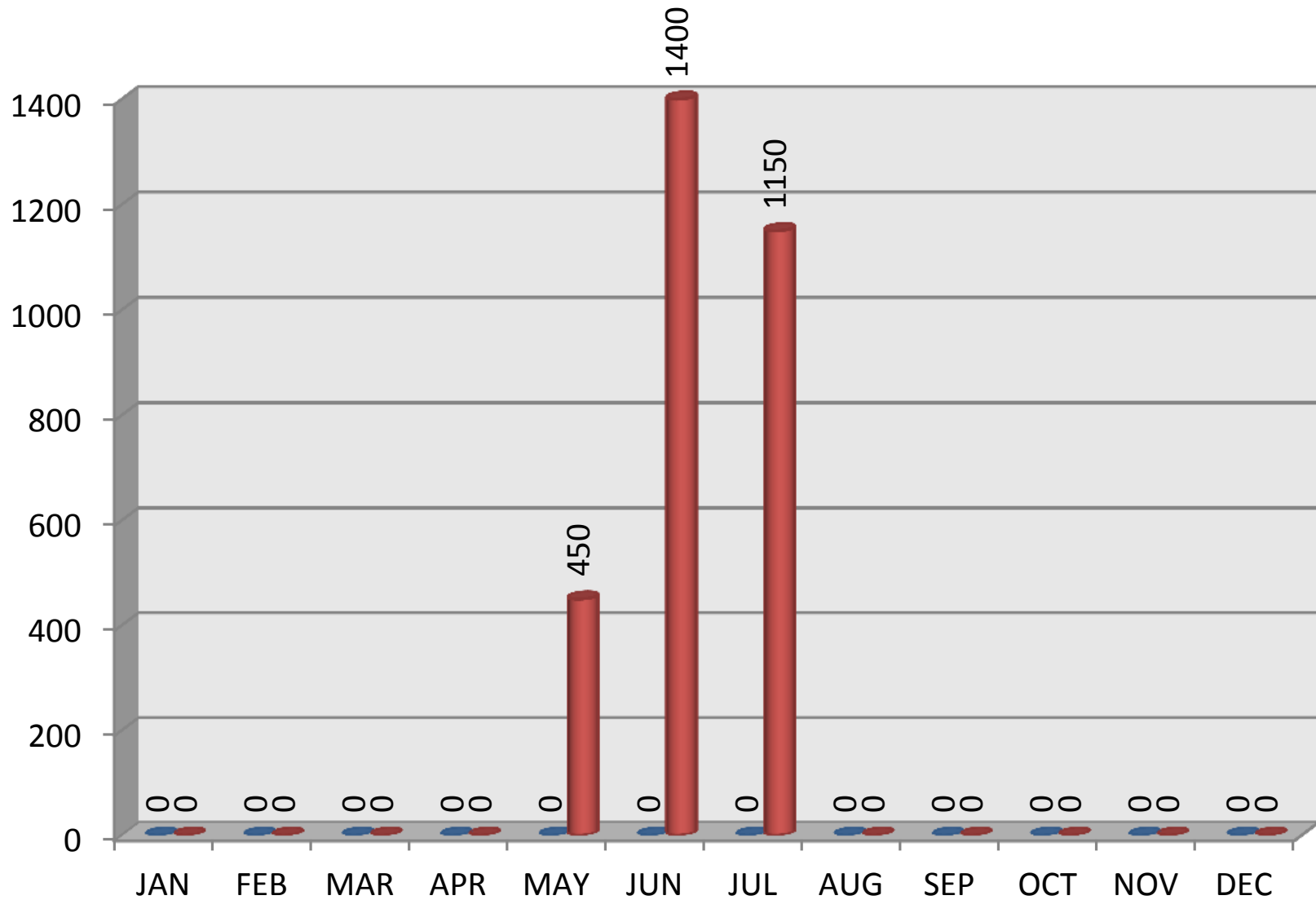
CRESTVIEW/CRESTWOOD PIPELINE PROJECT

- Project is in underway and going well.

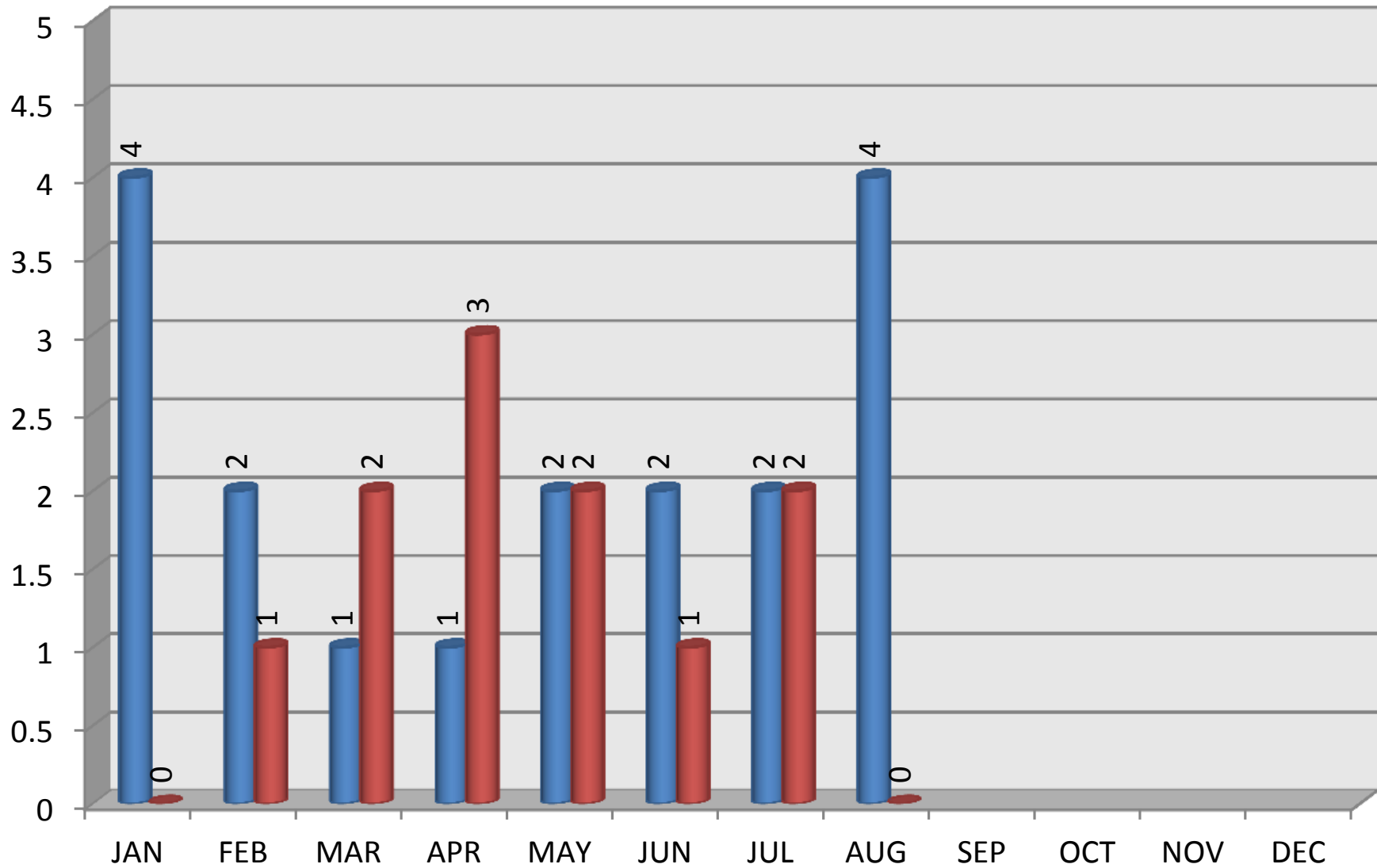
SUMMARY

- The pipeline crew completed the installation of 3,000' of 8" pipe, services, and hydrants by the end of August, minus 4 services that will need to be done last, at the same time we shut down and abandon the old 4" main. Currently, the crews are working on the asphalt restoration process. Most of our employees are concentrating their efforts on this project and will continue to do so until the project is complete. They have done an excellent job, especially, with the extreme weather conditions/smoke.
- Leak Detection efforts continue as time allows for both finding leaks and going back out and making repairs. We have made it through the entire system and have repaired 32 leaks to date. We have tried to "listen" 2 days a week in the past couple of months. However, this depends on work load and unforeseen issues/leaks that come up. We will start at the top of the District again this late fall/winter and start the process again. This equipment is working very nicely and well worth the investment.
- Crew members are assisting the meter shop with the firefly replacements. Two of our utility workers are focusing on the change outs to insure our system is operating properly on a daily basis.
- Staff has been looking into near future pipeline projects, prioritizing by past leak history, and under sized areas, especially, where fire flows are critical and in areas that are otherwise weak.
- Crews continue to take care of the daily needs of the District and maintenance issues providing excellent customer service.

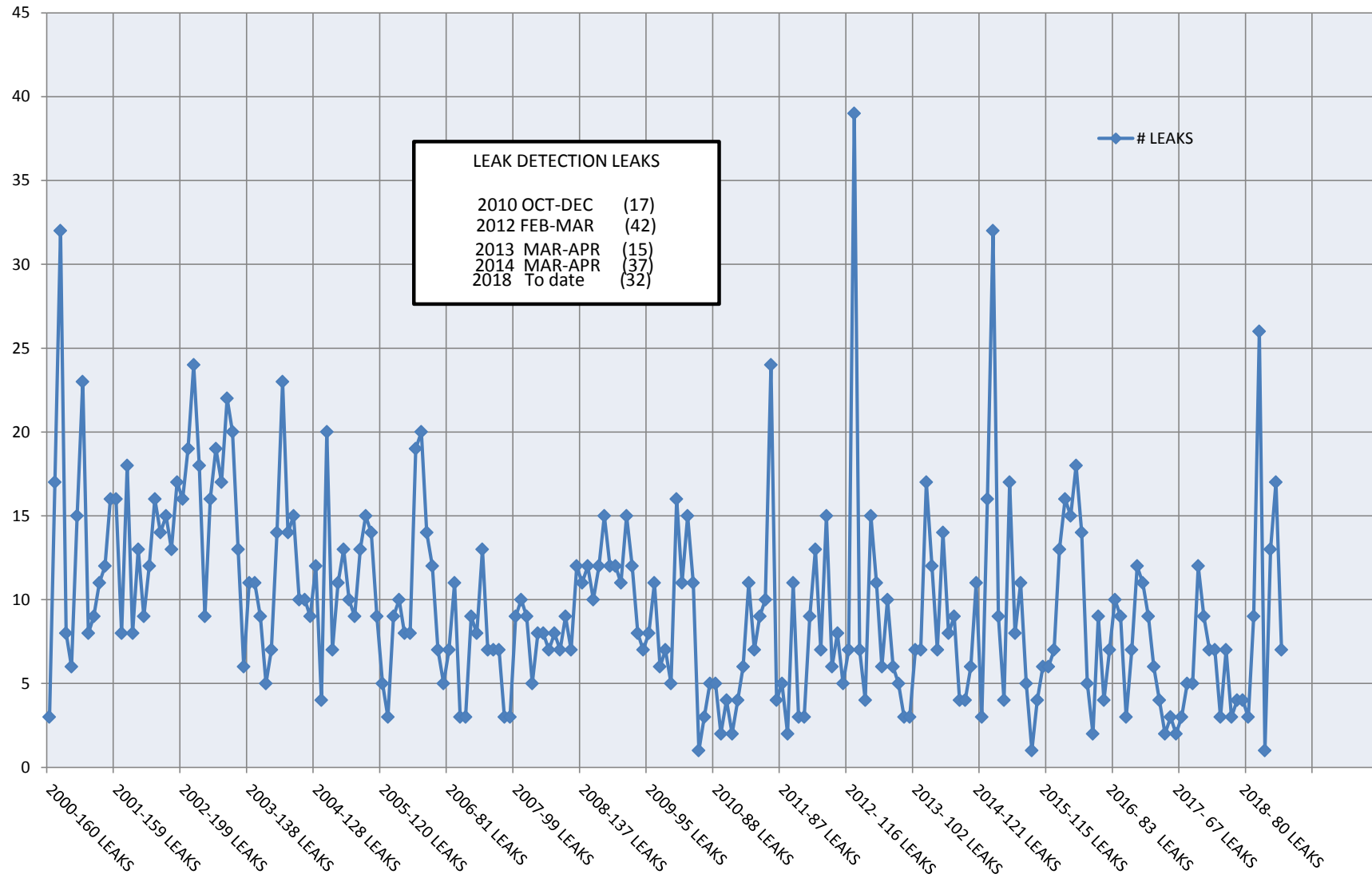
MONTHLY PIPE INSTALLATION 2018, TOTAL INSTALLED FT.



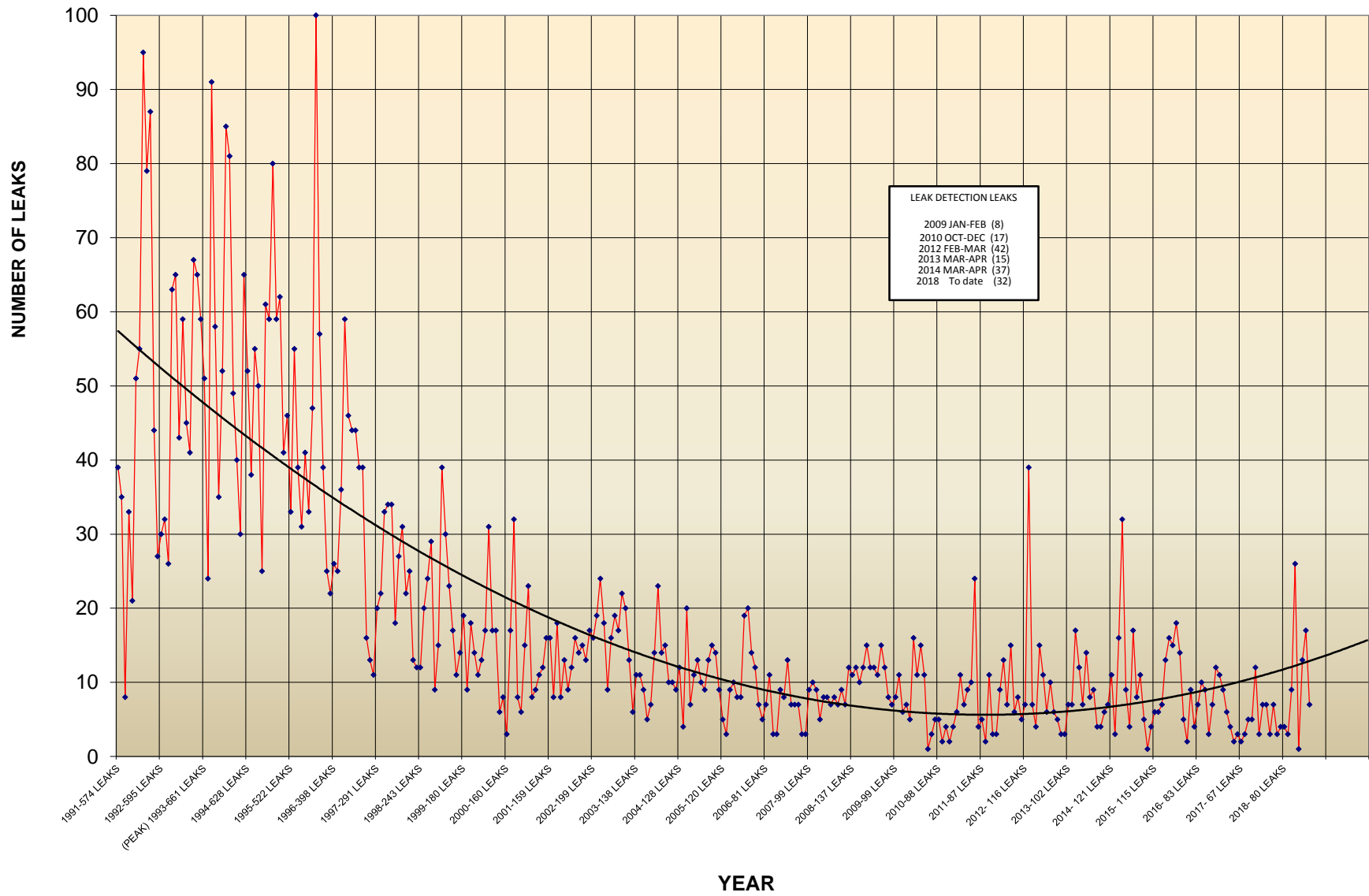
2018 METER WORK: 18 REPLACED, 11 NEW



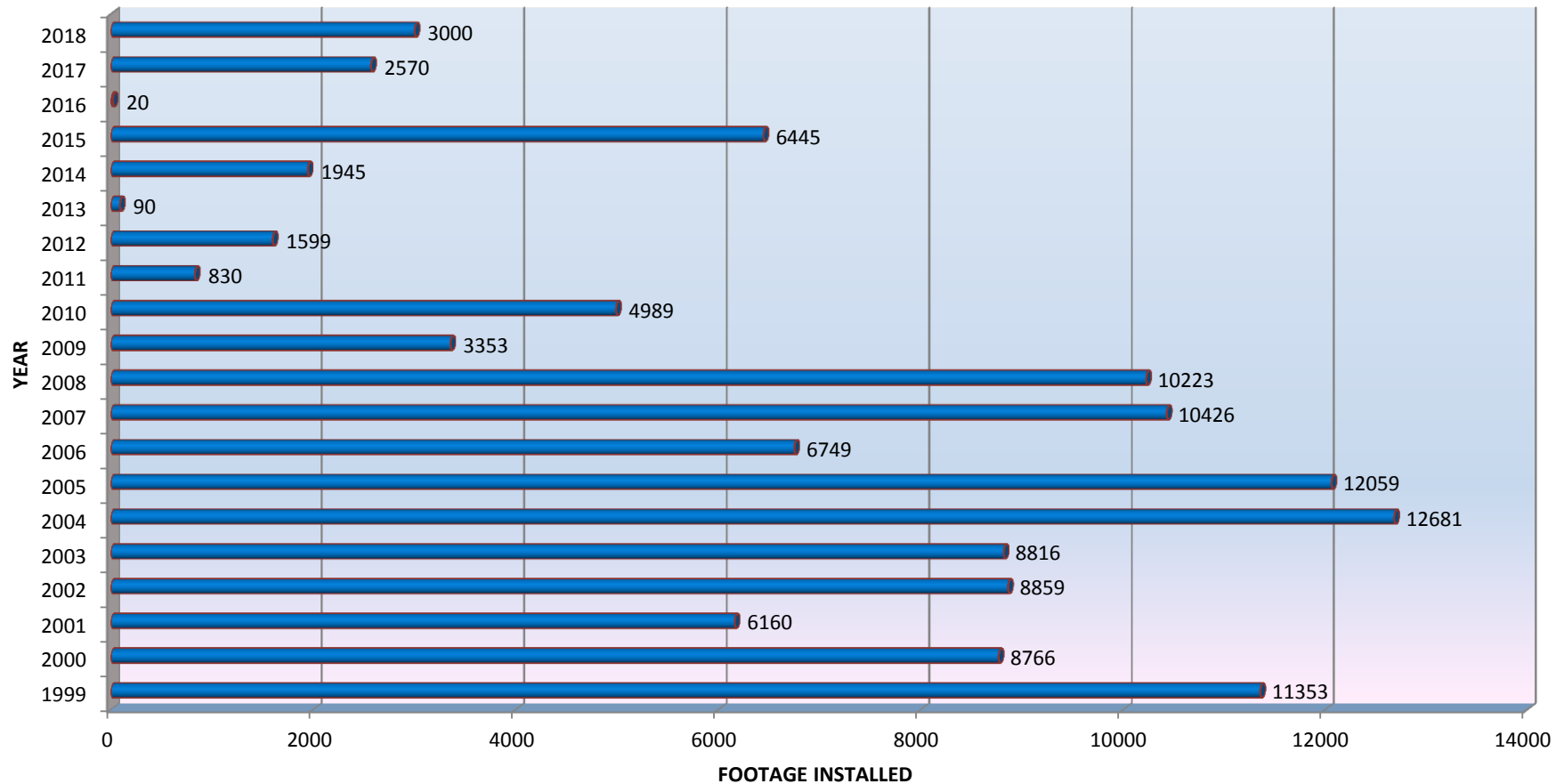
MAINLINE LEAKS



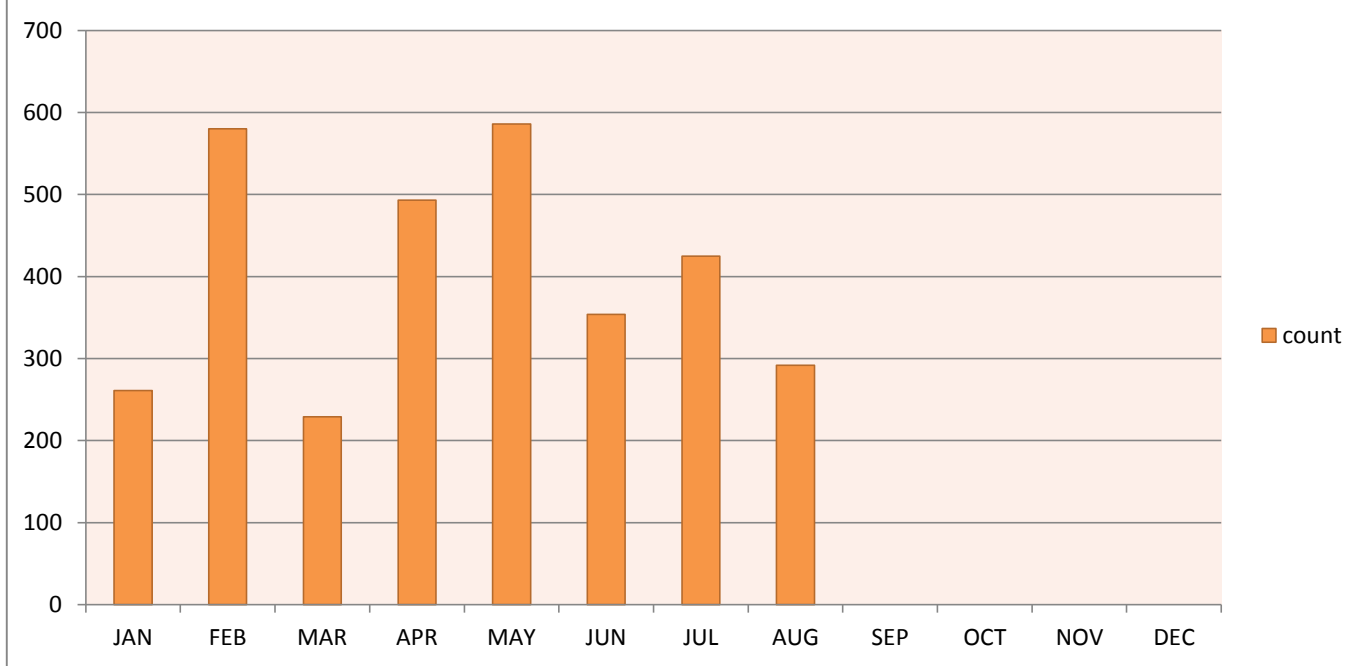
MONTHLY LEAK HISTORY 1991 TO PRESENT



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
August 2018

SUPPLY & QUALITY:

(See Attached Graphs)	Aug. 2018	Aug. 2017	Aug. 6 yr. Avg.
Monthly Production (Million Gallons - MG)	234.5	240.9	233.5
	Range	Average	
Plant Production (MGD)	6.2 – 8.2	7.6	
Raw Water Turbidity (NTU)	0.82 – 0.42	0.58	
Treated Water Turbidity (NTU)	0.04 – 0.05	0.04	
Treated Water Chlorine (ppm)	0.72 – 1.28	0.93	

WATER TREATMENT:

- **Plant Production and Water Quality:** 1. Average production decreased to **7.6 MGD** from **7.9 MGD** compared to last month; 2. Paradise Lake was primary source of raw water for treatment; 3. Plant operating with three of three clarifiers, and four of six filters; 4. Investigated water quality service orders regarding calcium, and taste and odor.
- **Monthly Residential Water Conservation:** **24%** reduction comparing production in August 2018 – **234.5 MG** to August 2013 (base year) – **309.9 MG**. 244 gallons per day per capita (GPCD).
- **Emergency Response Planning (ERP):** 1. Facilitated a Wildfire Urban Interface Table Top Exercise on August 30 with PID management and outside agencies (see roster of attendees); prepared a summary of the major items discussed, including after-action follow up items (see attachment); 2. A summary of after-action items for the District's last three exercises (seismic, dam failure and fire) is presented with this report (see attachment); and 4. Submitted updated site map and bleach storage revisions for the County's Hazardous Materials Business Plan.
- **Plant & Distribution Operations:** 1. Staff replaced 24 volt power supply in main control panel (see photos); 2. Met with XIO SCADA consulting firm to discuss future improvement project; 3. Researched DDW records retention requirements and prepared a summary memo; 4. Met with Corpro to discuss future cathodic protection system rehabilitation project; and 5. Replaced sample pump for the Filtered Water No.2.
- **Reservoir "B" Replacement; A Zone Pipeline & Pump Station:** 1. August 22 to Sept. 20; the 30-day Public Scoping period to solicit comments regarding the CEQA Initial Study Mitigated Negative Declaration (IS MND) Notice of Intent (NOI). Posted NOI at the County Clerk's Office, Town of Paradise and Paradise Library. NOI Publication (1 day) in the Paradise Post. (see attachment). If there are no substantive comments, the final IS/MND may be available to adopt the Notice of Determination (NOD) at the October 17th regular board meeting; 2. Addressed SDWSRF loan issues as they came up; and 3. Blackwater Consulting Engineers is researching right-of-way for the construction of the Zone A transmission pipeline in new Skyway.
- **Rehabilitation of C Tank and Cathodic Protection Improvements:** Harper, staff, and legal counsel are working on finalizing the Bid documents with the District's new General and Supplementary Conditions. Project bidding is now planned for September or October, for winter construction.
- **NPDES Permit Compliance and Renewal Update:** Postponement of the mixing zone verification monitoring until fall when the water temperature cools in order to identify the discharge plume. Results of the Priority Pollutants testing requested by the Regional Board (RB) is expected mid Sept. The last DCBM violation was October 6, 2016.
- **Process Water Recycle Project (PWRP):**
RFP Pond Alternative Design: Consideration of a project is dependent on outcome of NPDES permit renewal.
Deferred WTP Improvements: Internal review of draft list of prioritized WTP projects with justification, description and cost estimates.
CWSRF Construction Loan Application: Pending completion of design and CEQA, cost recovery of the project's expenses is contingent on the construction of some type of a project.
- **CalOES/FEMA Mitigation Grant:** August 3, 2018 letter (see attachment) from CalOES indicating the District's application is on the waiting list if funding becomes available. Grant is for plant generator replacement; Zone A pipeline and pump station design and construction, and creek crossing design and relocation.

- **Drinking Water and NPDES Reports and Maintenance:** 1. Completed monthly sampling and reports; and 2. Miscellaneous repairs to aging equipment and routine instrument calibrations.

RECREATION:

- **Lake Activities:** 1. See attached Parking & Boating Permit Sales Chart & Table; 2. Staff discussed ADA picnic table location options along the walkway between the ADA parking and ADA restrooms for review at the next Lake Committee meeting on 9-12-18; and 3. Preparation of wildlife graphics for the display board is in process.
- **Boat Launch Ramp No. 1 Parking Improvements:** No progress during the month. Lake Committee will discuss the concept plan at a future meeting, and make a recommendation to the Board for consideration.

WATERSHED - SOURCE of SUPPLY: Monthly Rainfall = 0.0" during 0 days; Greatest Rain Day = 0.0"

Paradise Lake Levels (feet)	2018 Aug. 31 @ - 11.2'	2018 July 31 @ - 6.6'	2017 Aug 31 @ - 8.0'
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- **Graph of Paradise Lake Water Levels – Calendar Years 2013 – 2018:** See Attachment
- **CalFire Service Crews:** No work this month; crews are tied up with CalFire priorities.
- **Paradise Ridge Fire Safe Council:** Assisted with the Council's educational booth at the Party-in-the-Park (8-16-18); 2. Updated the Council on progress with shaded fuel removal at the homeless camp areas.
- **Prescribed Burning and/or Thinning for Shaded Fuel Maintenance:** No progress yet to arrange a presentation to the Board this summer regarding prescribed "control" burn technology.

Paradise Irrigation District (PID)

Participant & Observer Roster - Wildland Urban Interface Table Top Exercise - August 30, 2018

First Name	Last Name	Title	Organization	Participant	Observer	Phone	E-mail
Jim	Passanisi	Treatment Superintendent	PID	X		530-876-2067	✓ jpassanisi@paradiseirrigation.com
Mickey	Rich	Information Systems Manager	PID	X		530-876-2040	✓ mrich@paradiseirrigation.com
Bill	Taylor	Treatment Supervisor	PID	X		530-876-2060	✓ btaylor@paradiseirrigation.com
Neil	Essila	Assistant Engineer	PID	X		530-876-2037	✓ nessila@paradiseirrigation.com
Kevin	Phillips	CFO	PID	X		530-876-2034	✓ kphillips@paradiseirrigation.com
Ed	Fortner	District Manager	PID	X		530-876-2032	✓ efortner@paradiseirrigation.com
Jim	Ladrini	Assistant Distribution Superintendent	PID	X		530-876-2042	✓ jladrini@paradiseirrigation.com
Ward	Habriel	BCFSC Board Member	BCFSC	X		817 3435	thhabbs@bcglb.net
Gus	Boston	Cal Fire Wild Emergency Sics Officer	Cal Fire BC OEM	X		780 4785	gus.boston@fire.ca.gov
Lina	Dunsmore	Unit Forester	Cal Fire	X		572-3333	cdunsmore@buttecounty.net
Dave	Derby	Water Dept. Superintendent	City of Shasta Lake		X	872-6334	dave.derby@fire.ca.gov
Tony	Thomas	Chairman BCFSC	BCFSC			275-7488	thomas@cityofshastalake.org
Darrel	Wilson	Town & County Coordinator	Town of Paradise	X		873 6456	banditspoke@aol.com
Jim	Broshears	Exec. Assistant. Sup Teeter-Butte	Butte County BOS-Dist. 5		X	680-8841	pfafirejb@carcast.net
Robin	Bennett					530-872-6304	rbennett@buttecounty.net



PARADISE IRRIGATION DISTRICT

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

TO: Exercise Attendees

FROM: Jim Passanisi, Treatment Superintendent

DATE: September 4, 2018

**RE: PID Table Top Exercise (8-30-18)
Multiagency Wildland Urban Interface Fire
Summary of Primary Items Discussed and After-Action Items for
Consideration**

Scenario 1: Initial Response to Smoke in the Feather River Canyon

Evacuation advisories: Coordination between County Sheriff's Dept. and CalFire to determine the type of advisory - Butte County has two orders, 1. Precautionary Warning and 2. Immediate Threat Evacuation. Orders are not mandatory. Orders are issued by the Sherriff's Department.

CalFire Dispatch Levels – The amount of fire resources initially dispatched to a fire are assigned based on a high, medium or low threat. Weather conditions, size of fire, geographic position, and slope are some factors to consider.

CalFire Watch & Emergency Communications Center (ECC) evaluates the threat to the community.

Interactive maps are posted with Code Red updates. Agencies should arrange for the receipt of Code Red alerts.

Emergency Declaration depends on need for additional resources in the operational area once agencies have expended all their resources. Once the County declares, the PID is covered, but a separate District declaration may be prudent.

Pre-plan mutual aid agreements relative to free resources from other agencies. Avoid reimbursement pre-arrangements. Use the FEMA guidance.

Levels of Emergency procedures should be determined from low, medium to high. Other numbering or color systems have drawbacks.

Public Information: Utilize press release to provide concise information, however social media options may have some advantages (i.e. Twitter, Facebook, etc.).

Discourage use of roof sprinklers by residents. Fire engines rely on the availability of water from garden hoses at homes to keep a fire trucks water storage replenished.

Annual update of Emergency Response Plan contacts, equipment and resources.

Elected officials should support staff, and assist with emergency declaration.

Scenario 2: Extended response to the fire growth

PID employee identification and Town of Paradise Disaster Service Worker identification cards are used for access to hazard areas under evacuation orders.

Old Magalia has significant fire hazards due to the steep slopes, amount of trees and dense shaded fuel, and needs fire breaks installed.

County Sheriff's Department in conjunction with CalFire will make the determination of the extent of community evacuations.

Evacuation orders are not mandatory; consequently, you cannot make a person leave their home. Once a person evacuates, law enforcement can prevent people from returning to the evacuated area until the order is lifted.

Bypassing the treatment plant raw water is a last resort when the plant is in jeopardy and if operators need to evacuate. A Boil Water Order (BWO) would be necessary if a bypass was initiated. Only the state can lift the Boil Water Order once PID demonstrates the water quality is potable. Coordinate BWO with County Environmental and Public Health.

The PID water system is primarily gravity fed from storage tanks, except Zone A at the highest elevation in the Town of Paradise that receives water from Pump Station No. 2. Pressure regulating valves between pressure zones help to support supply to lower elevation zones.

PID does not have any significant emergency interties for supplemental water.

Special needs people need help evacuating to assembly points for care.

Water is a critical infrastructure needing reliable and redundant facilities. Gas chlorination was replaced with liquid beach several years ago.

PID administrative managers need to have a physical presence at the Town's EOC.

Pre-arrange for electrical and other service contracts with vendors.

Document the event early and throughout to its end. Check FEMA forms in the District's ERP.

Press Releases or status reports should include the 5 W's: who, what, why, when and where.

Consider early staffing needs for EOC shifts and other employees.

District manager will evaluate available District resources as part of the EOC activities, so that PID may help with debris removal, in call centers, etc..

Feather River Hospital will strive to maintain some level of community support during an event, and avoid full evacuation if possible. Enloe Hospital is the regional trauma center.

Shutting off water meters may impact a fire crew's ability to refill a fire truck's storage.

Scenario 3: Recovery from the fire damage

Debris removal may be a multiagency response.

Pre-arrange for additional support resources, such as staffing that may need replenishment.

Police Department oversees Neighborhood Watch.

Media can enter hazard areas at will with their press identification.

PIO training and multiagency coordination is needed to draft public information in a clear and concise manner. EOC director approves public info before distribution.

Team up or coordinate with social services such as Red Cross, CHP, animal care, National Guard, etc.

Arrange for detailed documentation and tracking costs on FEMA or CalOES forms.

Call centers may need shift staffing. Ed Fortner, District Manager will consider the availability of District staff if requested.

Properties should be habitable and not red tagged if residents are to return home.

County radio or HAM may be the last communications mode available.

PID After-Action Items to Consider for Improvement

Agencies should arrange for the receipt of Code Red alerts.

Pre-arrange contracts with vendors or for mutual aid.

Discuss and determine levels of a PID emergency.

Arrange for Multiagency PIO coordination and training.

Participate in upcoming ICS 300 training, "Cooperators" meeting, and future Town Table Top exercise.

Winter storm, fire and heavy snow are the primary hazards to plan for, followed by earthquake.

Consider Low, Medium & High as the simplest alert levels to understand.

Update the Town of Paradise Disaster Service Worker identification cards for PID employees.

Pre-arrange FEMA and CalOES documentation procedures.

Evaluate and establish procedures for raw water bypass of the treatment plant.

Discourage residents from turning sprinklers on their roofs.

Encourage defensible, cleared spaces near homes, and an attic vent screen upgrade.

Avoid shutting off meters if possible to assist with the firefighting truck water storage response.

Update Emergency Response Plan contacts, resources and equipment lists. Check and update FEMA forms in the District's ERP.

Elected officials should understand their roll to support staff, and assist with emergency declaration.

Pursue the installation of fire breaks in Old Magalia and adjacent to the treatment plant.



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: September 11, 2018

RE: Emergency Preparedness Table Top Exercise - After-Action Reports

- 1. Multiagency Wildland Urban Interface Fire - August 30, 2018**
- 2. FEMA EMI PID Dam Failure due to Flooding - July 18, 2018**
- 3. SEMS/ICS PID Orientation and Seismic Event - February 28, 2018**

1. Multiagency Wildland Urban Interface Fire

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

- a) Agencies should arrange for the receipt of Code Red alerts.
- b) Pre-arrange contracts with vendors for mutual aid.
- c) Discuss and determine levels of a PID emergency.
- d) Multiagency PIO coordination and training.
- e) ICS 300 training, "Cooperators" meeting, and Town Table Top exercise.
- f) Winter storm, fire and snow are the primary hazards, followed by earthquake to consider with emergency planning.
- g) Consider Low, Medium & High as the simplest alert levels to understand.
- h) Update the Town of Paradise Disaster Service Worker identification cards for PID employees.
- i) Pre-arrange FEMA and CalOES documentation procedures.
- j) Evaluate and establish procedures for raw water bypass of the treatment plant.
- k) Discourage public from turning sprinklers on their roofs.

- l) Encourage defensible spaces near homes and an evaluation of attic vents.
- m) Avoid shutting off meters if possible to assist with truck water storage firefighting response.
- n) Update Emergency Response Plan contacts, resources and equipment lists. Check and update FEMA forms in the District's ERP.
- o) Elected officials should understand their roll to support staff, and assist with emergency declaration.
- p) Pursue the installation of fire breaks in Old Magalia and near the treatment plant.

2. FEMA EMI PID Dam Failure due to Flooding

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

- a) Track potential changes in the CalOES EAP template regarding consistency of Action Levels 1 through 3 with the National Incident Management System (NIMS) and FEMA.
- b) Improve readability of the CalOES EAP flowcharts and PID EAP customization.
- c) Determine communications improvements such as radio and satellite phone.
- d) Genterra assists with developing potential dam failure scenarios.
- e) Create pubic outreach press release templates based on dam failure scenarios.
- f) Treatment operator uniformity training regarding inspection and standard operating procedures.
- g) Plan, organize and conduct a multi-agency field level exercise – County Public Works, County Emergency Management, and Town of Paradise Public Works.
- h) Complete CalOES Emergency Action Plan for Magalia Dam per state schedule with Inundation Maps.
- i) Update the CalOES Emergency Action Plan for Paradise Dam with Inundation Maps

3. SEMS/ICS Orientation and Water System Seismic Event

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

- a) 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.

- b) Prepare a diagram of the EOC setup: tables, phone system, computers, whiteboards, ICS section locations, etc.
- c) EOC Telephone System (Ladrini & Rich): Establish procedures for Office phone relocation from desks to the EOC.
- d) EOC Television or Monitors: Establish procedure for Computer monitors to be relocated from desks and connected to cable TV
- e) EOC White Boards: Purchase two (2)
- f) Emergency Response Plan (ERP) – Create Searchable Word Files (West & Rice) and print more ERP binders
- g) ERP Update - Contact Info (everyone)
- h) Radio System Optimization & Specifications: Truck and Treatment Plant Base Station (Ladrini)
- i) Availability of County Office of Emergency Management Cal OES Grants for Equipment (Passanisi & Ladrini)
- j) Beverage Company Contact Info for mass quantities of bottled water (Passanisi)
- k) Upload Code Red app. to smart phones (everyone)
- l) Next Meeting Content: Progress regarding the After-Action list; invite additional office key staff to the next meeting.
- m) 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

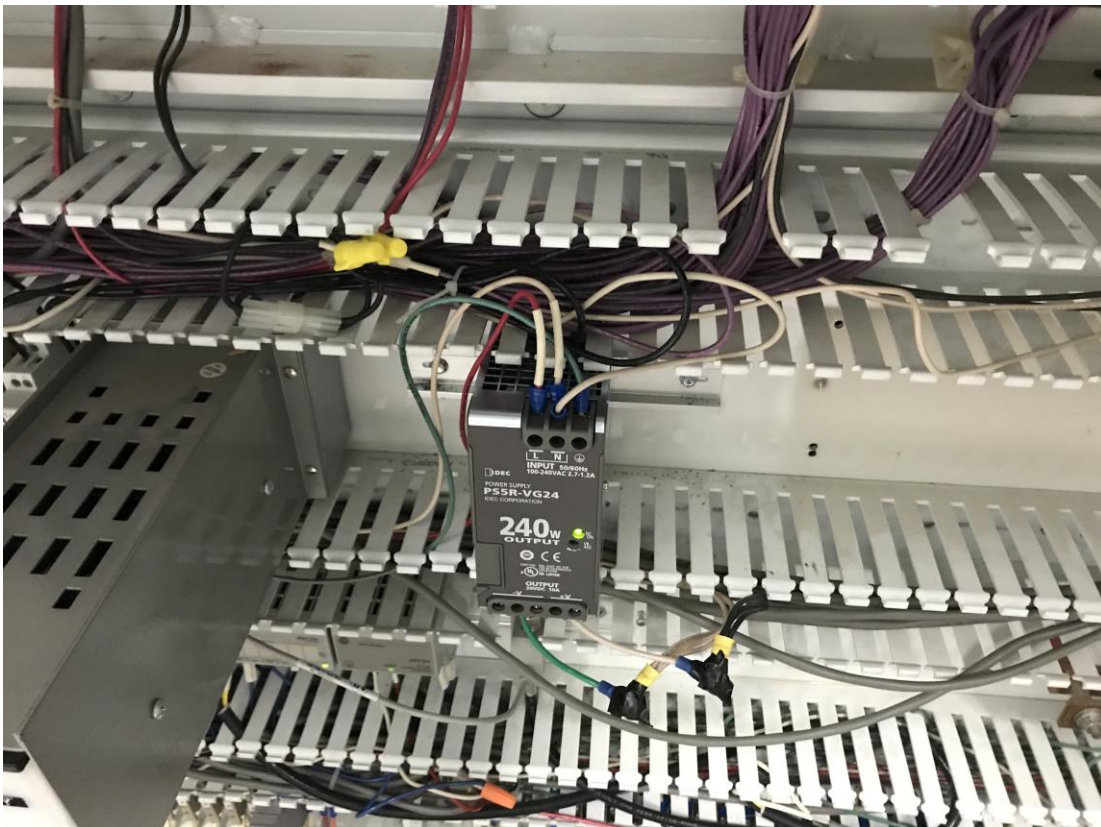
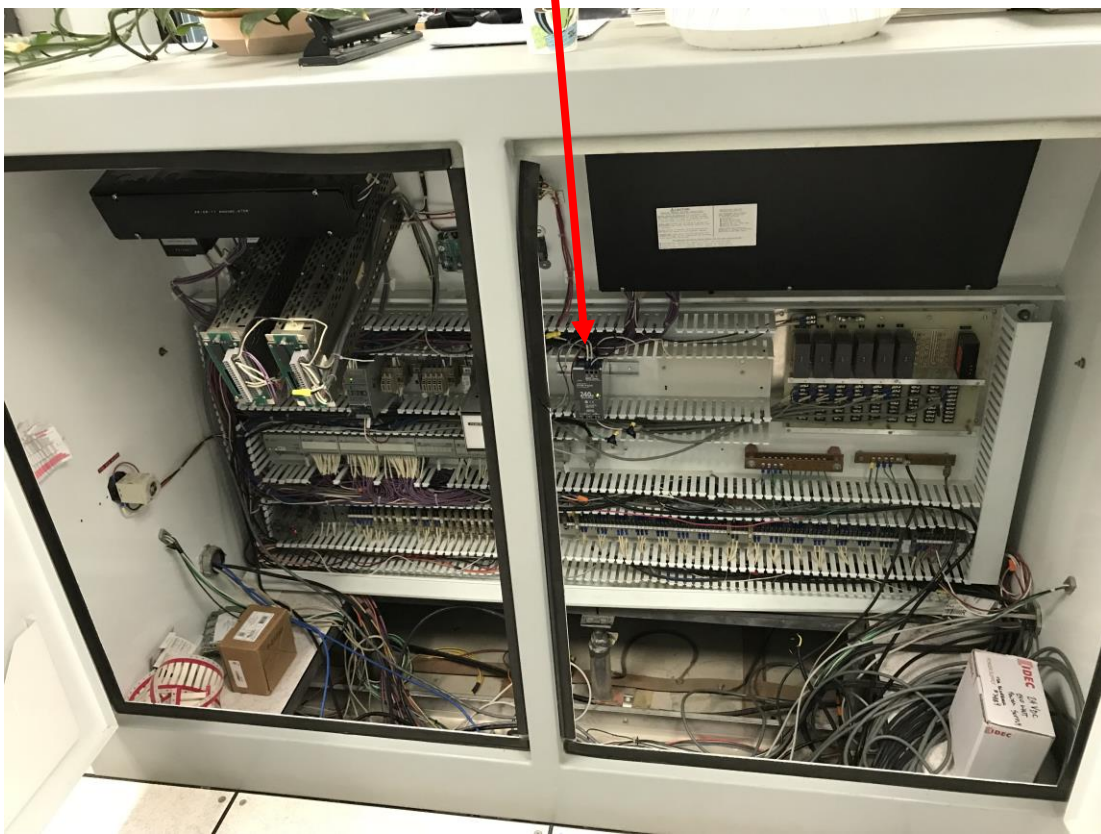
Number of required courses increases with level of position responsibility	PERSONNEL Includes Federal/State/Local/Private Sector and non-Governmental Personnel	REQUIRED TRAINING Courses listed below in BOLD ITALICS currently required for NIMS Compliance
ICS 400 (Command) Six Months after ICS 300 Completion	COMMAND AND GENERAL STAFF 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"> • <i>FEMA IS 700a: NIMS, An Introduction</i> • <i>FEMA IS 800b: National Response Framework (NRF)</i> • <i>ICS 100: Introduction to ICS or equivalent</i> • <i>ICS 200: Basic ICS or Equivalent</i> • <i>ICS 300: Intermediate ICS or equivalent</i> • <i>ICS 400: Advanced ICS or equivalent</i> • <i>SEMS EOC/ Introduction to SEMS</i>
ICS 300 / IS 800 SEMS EOC (Managers)	MIDDLE MANAGEMENT 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"> • <i>FEMA IS 700a: NIMS, An Introduction</i> • <i>FEMA IS 800 b: National Response Framework (NRF)</i> • <i>ICS 100: Introduction to ICS or equivalent</i> • <i>ICS 200: Basic ICS or Equivalent</i> • <i>ICS 300: Intermediate ICS or equivalent</i> • <i>SEMS EOC/ Introduction to SEMS</i>
ICS 200 SEMS EOC (Supervisors)	FIRST LINE SUPERVISORS 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"> • <i>FEMA IS 700.a: NIMS, An Introduction</i> • <i>ICS-100: Introduction to ICS or equivalent</i> • <i>ICS-200: Basic ICS or equivalent</i> • <i>SEMS EOC/ Introduction to SEMS</i>
ICS 100 / IS 700 SEMS (Responders)	ENTRY LEVEL RESPONDERS & DISASTER WORKERS 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"> • <i>FEMA IS 700.a: NIMS, An Introduction</i> • <i>ICS-100: Introduction to ICS or equivalent</i> • <i>Introduction to SEMS</i>

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>

Replacement of 24 Volt DC Power Supply for Main Control Panel



PARADISE POST

PO Drawer 70
Paradise, CA 95967
530-877-4413
legals@paradisepost.com
2122951

PARADISE IRRIGATION DISTRICT / LEGALS
6332 CLARK ROAD
PARADISE, CA 95969-4146

Declaration of Publication

State of California
County of Butte

That at all times herein mentioned Declarant is and was a resident of said county of Butte over the age of twenty-one years; not a party to nor interested in the within matter; that Declarant is now and was at all times herein mentioned the Legal Clerk of the Paradise Post, a newspaper published twice a week, which said newspaper was adjudged a newspaper of general circulation on November 12, 1946, by Superior Court Order No. 22262 as entered in Book 30 Page 223 of said Court; and that said newspaper is printed and published every Wednesday and Saturday.

GENERAL LEGAL

08/25/2018

and such publications was made in the regular issues of said paper (and not in any supplemental edition or extra thereof).

08/27/2018

Signature



Legal No. 0006208927

NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION FOR THE PROPOSED PARADISE IRRIGATION DISTRICT ZONE A PUMP STATION, TRANSMISSION MAIN, AND RESERVOIR B REPLACEMENT PROJECT

Paradise Irrigation District
6332 Clark Road, Paradise, CA 9596

Introduction

This Notice of Intent serves as public notice that Paradise Irrigation District (PID) has prepared an Initial Study and proposes to adopt a Mitigated Negative Declaration for the Paradise Irrigation District Zone A Pump Station, Transmission Main, and Reservoir B Replacement Project (proposed project). A Mitigated Negative Declaration has been prepared because no substantial evidence exists that the proposed project may have a significant environmental effect that cannot be fully mitigated to a less-than-significant level. The proposed Mitigated Negative Declaration does not signify approval or disapproval of this project by PID's decision-making body. The PID will consider the proposed Mitigated Negative Declaration together with any comments received during the public review process to determine whether the proposed project would have a heretofore unidentified significant impact on the environment.

Project Location

The project is largely linear, extending from the community of Magalia, south to the town of Paradise, Butte County, California. Paradise is located approximately 12 road miles northeast of Highway 99 and the city of Chico in Butte County, California. The project is shown on the Paradise East, California 7.5 minute U.S. Geological Survey quadrangle, Township 22N, Range 3E, Sections 1 and 12, Township 23N, Range 3E, Sections 25 and 36, and Township 23N, Range 4E, Section 31 (Figure 1). The proposed project occurs on private properties and PID owned parcels, and within the Caltrans right of way (ROW). Figure 2 (maps 1-5) illustrates the proposed project layout.

The 15.4-acre project area is composed of a linear alignment along paved roads and areas containing existing water treatment, storage, and distribution infrastructure including a WTP and a covered reservoir (Reservoir B). The land in the project area is largely disturbed with small areas of semi-natural habitat located near the existing WTP and adjacent to existing road corridors.

Project Description

Paradise Irrigation District (PID) operates a water treatment plant (WTP) and the accompanying distribution system for Paradise, CA. The distribution system supplies potable water to 10,507 connections, serving a population of approximately 26,000. This includes 7 distribution zones (Zones A through G) and 5 storage reservoirs (Reservoirs A through E) within PID, as well as wheeling water to Del Oro Water Company. The distribution system is supplied by one gravity transmission line via Reservoir B. Zone A and Reservoir A are supplied by Reservoir B via Pump Station #2. The remaining zones and reservoirs are gravity fed from Reservoir B. Challenges to the existing system include:

1. WTP finished water hydraulics—the existing hydraulics at the WTP do not allow full use of Reservoir B, thus reducing the available storage volume from 3 million gallons (MG) to 2 MG.
2. The existing 42-inch transmission main alignment has no redundancy and is a vulnerability in the ability for PID to deliver water from the WTP to the distribution system.
3. Reservoir B operability and dependability are lacking efficiency due to the nature of the earthen reservoir design.
4. Reservoir A feed reliability—the system relies on a single pump station to feed Zone A via Zone B and Reservoir B.
5. Fire flow storage—Paradise is a wildland interface and therefore requires supplementary fire flow storage in addition to 4 hours of Peak Hourly Flow/Max Day Demand storage as required by the California Code of Regulations (Title 22) storage regulations.

The following features would be included in the project to address the challenges in the existing system:

1. Install new Zone A pumps at the WTP (Zone A Pump Station) adjacent to the treated water storage tank (TWST).
 - a. The new pump station would supply Zone A and the WTP water pumps, removing the restriction on the minimum water surface elevation at Reservoir B.
2. Install a new 16-inch transmission main from the WTP directly to Zone A along New Skyway (Zone A Transmission Main).
 - a. The Zone A Transmission Main (ZATM) would provide potable water supply redundancy to the existing 42-inch transmission main. The 16-inch ZATM would allow Zone A to be fed independently of Reservoir B.
3. Modify Pump Station #2 with a pressure regulating valve station to allow Zone A to feed Zone B.
 - a. Connecting Reservoir A to the rest of the distribution system would have a beneficial impact on overall fire storage capacity, increasing all other zone fire storage capacities by 1 MG.
4. Replace the existing Reservoir B with two 2.3 MG (each, minimum) tank reservoirs.
 - a. Fire storage and predicted growth storage capacity deficiencies would be solved by upsizing Reservoir B from 3 MG to at least 4.6 MG.
 - b. The operability, dependability, and sanitary issues would be solved by replacing the earthen reservoir with two tank reservoirs.

Construction of the proposed project would begin upon receipt of all necessary preconstruction authorizations, including completion of CEQA documentation and receipt of any regulatory permits determined to be required. In addition, funding source requirements will need to be met before and during project construction, as applicable. Construction is anticipated to begin in January of 2019 with completion in October of 2020.

Review Period

As mandated by Public Resources Code § 21091, the minimum public review period for this Initial Study and proposed Mitigated Negative Declaration is 30 days. The document has been sent to the State Clearinghouse. This document is open to public review and comment from Wednesday, August 22, 2018 through Thursday, September 20, 2018. **Comments must be received by 5 p.m. on the last day of the comment period, Thursday, September 20, 2018.** Any comments on the document may be presented in writing to:

Paradise Irrigation District
Attn: Jim Passanisi
6332 Clark Road
Paradise, CA 95969
Phone: (530) 876-2067

Document Availability

Copies of the Public Draft Initial Study and Proposed Mitigated Negative Declaration and supporting technical studies are available for review at the following locations:

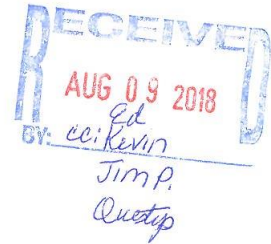
Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

State Water Resources Control Board
Division of Financial Assistance
Regional Programs Unit
1001 I Street, 16th Floor
Sacramento, California 95814

Published August 25, 2018

EDMUND G. BROWN JR.
GOVERNOR

MARK S. GHILARDUCCI
DIRECTOR



August 3, 2018

Mr. Kevin Phillips
Chief Financial Officer
Paradise Irrigation District
6332 Clark Road
Paradise, CA 95969

Subject: Project Subapplication Waiting List
Hazard Mitigation Grant Program
FEMA-4308-DR-CA, February 2017 Storms
Cal OES PJ0232, Paradise Water Supply Hazard Mitigation Project
Subrecipient: Paradise Irrigation District, FIPS# 007-91022

Dear Mr. Phillips:

The California Governor's Office of Emergency Services (Cal OES) received and reviewed your subapplication requesting funds from the Hazard Mitigation Grant Program (HMGP). Cal OES has placed your grant subapplication on a waiting list to be submitted to the Federal Emergency Management Agency (FEMA) if funding becomes available.

Cal OES is authorized to discuss your subapplication only with the Authorized Agent, Primary Contact or Alternate Contact. If the subapplicant wants Cal OES to communicate with anyone other than the listed contacts, such as a consultant, we need written authorization on official letter head or by email.

We appreciate the time and effort you expended applying for this grant and we encourage you to continue to apply for future hazard mitigation projects.

Should you have any questions, please contact Shafeel Koya, Hazard Mitigation Grants Specialist, at (916) 926-9861 or shafeel.koya@caloes.ca.gov.

Sincerely,

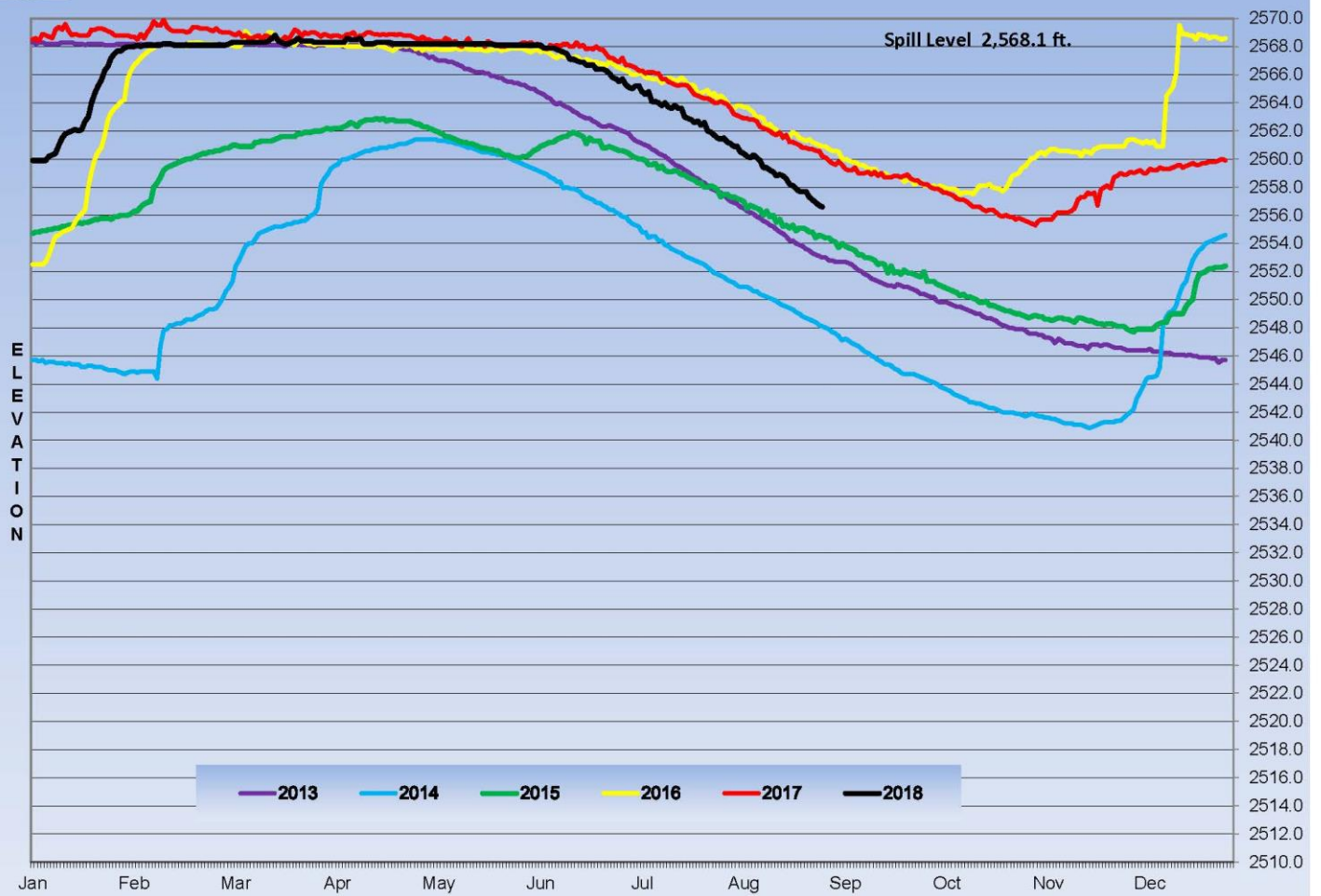
Ron Miller
Hazard Mitigation Grant Program Manager



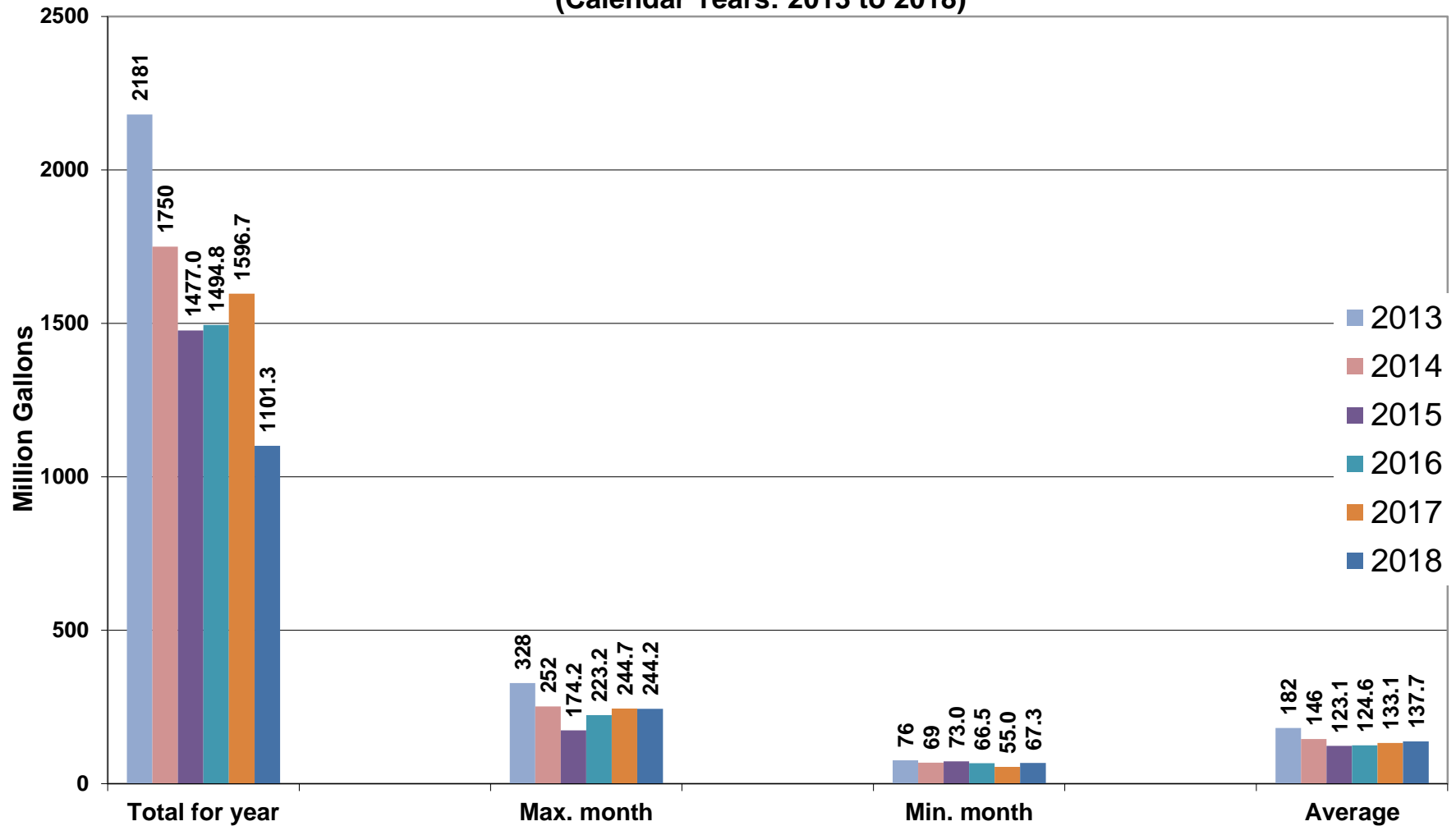
3650 SCHRIEVER AVENUE • MATHER, CA 95655
RECOVERY SECTION • HAZARD MITIGATION GRANT PROGRAM
PHONE: (916) 845-8150 • FAX: (916) 636-3780
www.CalOES.ca.gov



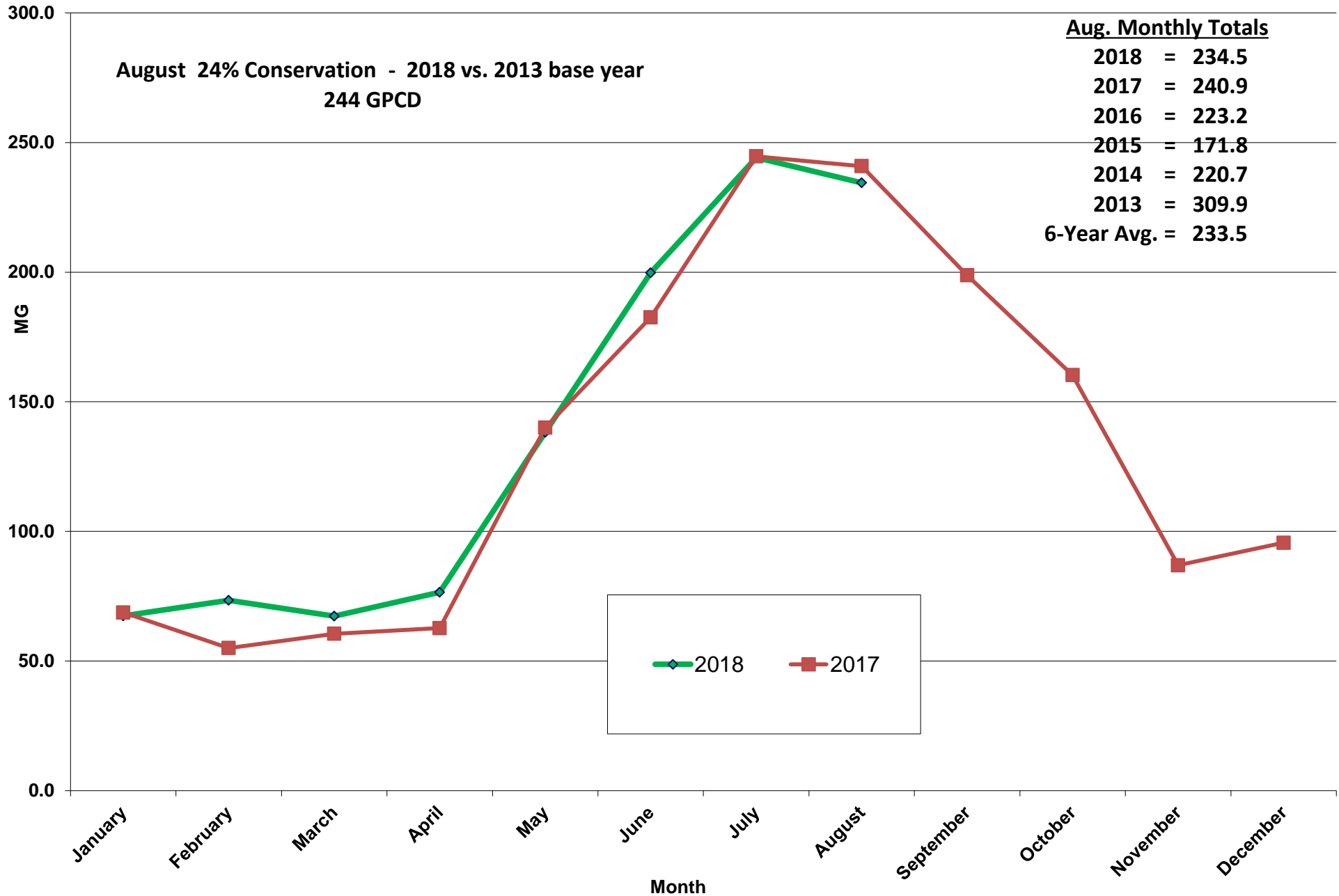
Paradise Lake Water Levels - Calendar Years 2013 - 2018



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



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

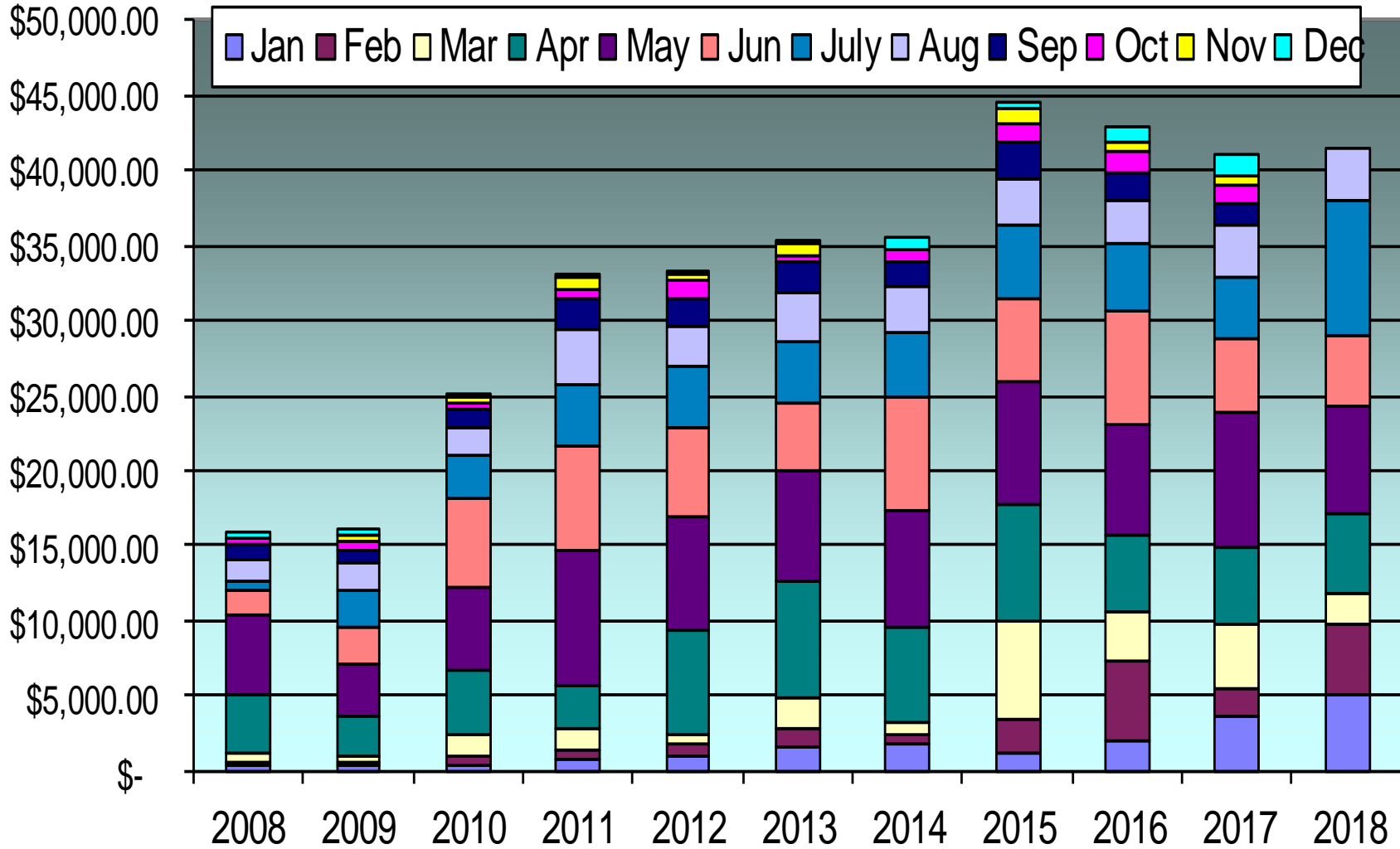


Water Treatment Plant Annual Production Figures and 5 Year Averages (2013 - 2018)
(Million Gallons)

Note: 2013 is the conservation comparison/base year

	Years														6-Year Average
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2013-2018
January	113.2	113.7	130.8	116.1	105	91.4	91.6	105.2	82.5	111.2	82.3	71.1	68.7	67.4	80.5
February	101	104.7	106.9	112.3	88.4	79.2	85.2	85.3	76.1	68.8	73.0	66.5	55.0	73.4	68.8
March	129.3	110.7	150.2	147	108.9	100.2	84.6	79.3	101.6	85.8	98.7	67.1	60.5	67.3	80.2
April	132	112.5	172	205.9	170.5	96.9	99.8	94.2	145.1	107.7	106.7	84.5	62.7	76.5	97.2
May	181.5	243.9	259.3	275	221	140.8	146	214.7	241.6	175.6	136.5	119.6	140.0	138.2	158.6
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	199.8	201.1
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	244.2	241.7
August	412.3	391.5	379.6	363.8	338.6	332.4	307.6	331.2	309.9	220.7	171.8	223.2	240.9	234.5	233.5
September	312.1	338.4	295.3	317.5	281.4	271.3	280.3	283.7	230.1	196.3	157.9	191.0	198.8		
October	234.9	253.2	156.9	218.1	178.1	185.1	152.2	198.7	170.7	137.3	138.3	115.2	160.3		
November	117.8	128.7	142	124.7	114.2	95.8	107.3	91.7	117.4	85.4	95.6	90.6	86.9		
December	114.3	112.9	115.5	120.7	101.7	105.3	105.1	81.2	102.3	78.5	93.9	88.7	95.6		
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	5 Year Avg.
Total for year	2492	2668	2630	2683	2315	2083	1926	2153	2181	1750	1477.0	1494.8	1596.7	1101.3	1161.6
Max. month	412	429	385	364	351	344	308	331	328	252	174.2	223.2	244.7	244.2	241.7
Min. month	101	105	107	112	88	79	85	79	76	69	73.0	66.5	55.0	67.3	68.8
Average	208	222	219	224	193	174	161	179	182	146	123.1	124.6	133.1	137.7	145.2

PID Lake Permit Comparison From 2008-2018



Paradise Irrigation District
Lake Permit Sales
January -December 2018

	Recreation				Boating				Total
	Annual		Daily		Season		Daily		
January	62	\$ 935.00	269	\$ 808.30	71	\$ 2,840.00	50	\$ 500.00	\$ 5,083.30
February	69	\$ 1,035.00	206	\$ 619.00	65	\$ 2,580.00	38	\$ 380.00	\$ 4,614.00
March	22	\$ 335.00	198	\$ 594.16	26	\$ 1,020.00	18	\$ 180.00	\$ 2,129.16
April	54	\$ 805.00	152	\$ 456.00	96	\$ 3,820.00	27	\$ 265.01	\$ 5,346.01
May	36	\$ 535.00	571	\$ 1,712.42	106	\$ 4,220.00	63	\$ 625.00	\$ 7,092.42
June	34	\$ 565.00	272	\$ 815.03	64	\$ 3,000.00	38	\$ 345.00	\$ 4,725.03
July	28	\$ 420.00	1485	\$ 4,453.36	69	\$ 2,220.00	201	\$ 1,820.00	\$ 8,913.36
August	10	\$ 170.00	600	\$ 1,799.04	23	\$ 805.00	93	\$ 855.00	\$ 3,629.04
September	0		0		0		0		\$ -
October	0		0		0		0		\$ -
November	0		0		0		0		\$ -
December	0		0		0		0		\$ -
Totals	315	\$ 4,800.00	3,754	\$ 11,257.31	518	\$ 20,505.00	527	\$ 4,970.01	\$ 41,532.32

ENGINEERING REPORT

August 2018

Pipeline Extension Projects

Woodview Retirement Cottages (Special Project): Rancho Engineering has submitted an application for installation of a fire service connection, fire suppression sprinklers, and three private fire hydrants to serve a 56-unit senior apartment facility at 926 Buschmann Road.

Children's Community Charter School: Rancho Engineering has submitted an application for installation of a water main extension and fire hydrant to serve an expansion of the existing Charter School at 6830 Pentz Road.

Activities This Month

This month engineering staff continued working on issues related to water rights measurement and reporting. Staff also continued work on the Reservoir B expansion project, particularly with respect to right of way issues for the proposed new A Zone transmission main.

Engineering staff continued work with the District's consultant on design of the Almond Street water main replacement project. Staff redistributed a Request for Proposals for engineering analysis of the Magalia Dam outlet pipe anchors.

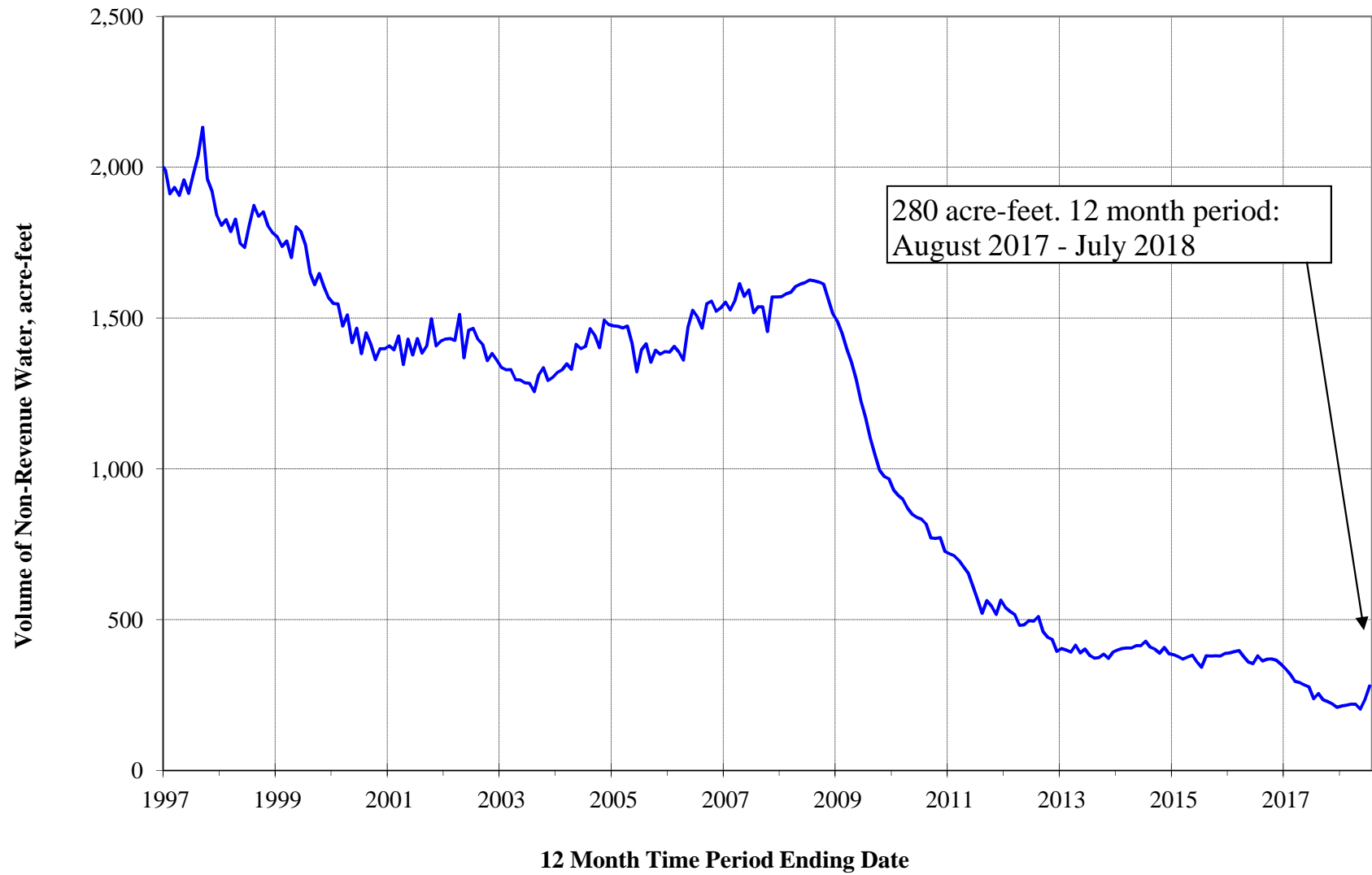
Staff continued work on annexations to the District and on the NPDES permit renewal and water recycling project.

Engineering staff participated in a FEMA table top exercise for a hypothetical wildfire event with other District staff.

Summary of Development Review and Other Activities

Water Service Requirements Review Requests	6
New/revised projects reviewed in Project Evaluation Committee (TOP)	1
Review and direction of miscellaneous ongoing projects	4
Meter Sizing Audits (total to date)	64
Meter Size Reductions (total to date)	40

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



Information Technology Report

PID Website – 4,422 Page Views


Top 10 Pages – August 1 through August 31, 2018

Page Title ?	Pageviews ? ↓
	4,422 % of Total: 100.00% (4,422)
1. Pidwater.com - Paradise Irrigation District - Water Utility for Paradise, California - Paradise Irrigation District	1,896 (42.88%)
2. Payment Options for Paradise Irrigation District - Paradise Irrigation District	567 (12.82%)
3. (not set)	284 (6.42%)
4. Search or browse PID documents - Paradise Irrigation District	197 (4.45%)
5. Careers at PID - Paradise Irrigation District	160 (3.62%)
6. Contact PID - Paradise Irrigation District	114 (2.58%)
7. PID Board of Directors - Paradise Irrigation District	88 (1.99%)
8. PID Reservoir Levels: Paradise Lake and Magalia Reservoir - Paradise Irrigation District	80 (1.81%)
9. <i><i class="fa fa-search"></i></i> search this site - Paradise Irrigation District	79 (1.79%)
10. PID Board and Committee Meetings - Paradise Irrigation District	79 (1.79%)

Policy Updates

Staff is working on revising the records retention policy to reflect the current regulations and best practices for our industry. We will resume once the new office manager is onboard and acquainted with the district. Once finalized, we will create the plan to implement any changes in procedures. After completion, I will resume work on updating the IT security policy.

August Regular Meeting on Facebook Live – Post Performance



Paradise Irrigation District...
Continued - Watch PID's Special Board Meeting from wherever you are on Facebook Livestream. The documents projected on the wall behind the board members may not "show" very well on the stream's imaging so please download the agenda and supportin...

01:17:41 · Uploaded on 08/29/2018 · View Permalink

Performance for Your Post

← Audience and Engagement ▾

People Reached	133	>
Unique Viewers	46	>
Post Engagement	3	>
Video Engagement		>
Top Audience	--	>
Top Location	--	>

August software subscriptions

1 - Adobe Standard DC @ \$12.99	= \$12.99
1 - Adobe Pro DC @ \$14.99	= \$14.99
1 - Creative Cloud Photo Plan @ \$19.99	= \$19.99
13 – Office 365 ProPlus @ \$12.00	= \$156.00
Total August:	=\$203.97

Mickey Rich
Information Systems Manager
September 2018