



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

MEETING LOCATION:
PID BOARD ROOM
6332 CLARK ROAD, PARADISE, CA 95969

WEDNESDAY, AUGUST 21, 2019 – 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 July 17, 2019
- 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. **RECOVERY PROCESS STATUS UPDATE:** Informational update provided by Sami Kader, P.E., Water Works Engineers. *Information item only.*
- 5. **PID STAFF AND FACILITY REPORT UPDATES FOR JULY 2019:** *Information item only.*
- 6. **TREASURER'S REPORT:** Review and acceptance of the Treasurer's Report for the period ending July 31, 2019. *Action may be taken.*
- 7. **EXPENSE APPROVAL REPORT:** Approval of General Fund Check Numbers 53553 through 53641 for the month of July 2019 totaling \$721,641.17, exclusive of voided check numbers 53553, 53579, 53580, 53588, and 53615, and authorization of a similar amount allowing or adjusting for extraordinary budget or Board approved items during the month of August. *Action may be taken.*
- 8. **LEGAL REPORT:** A verbal update from Legal Counsel. *Information item only.*

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

10. **NEW BUSINESS:**

- a. Service Lateral Replacement Project (Manager Phillips / Sami Kader – Water Works Engineers): Review and provide authorization to issue a Request for Proposal to perform replacement of service laterals throughout the PID service area. *Action may be taken.*
- b. Disaster Recovery Management Services – Contract Amendment 1 (Manager Phillips): Authorize approval to increase Water Works Engineers contract not-to-exceed amount to two million dollars for disaster recovery engineering services provided under Agreement dated March 14, 2019. *Action may be taken.*
- c. PID Fiscal Year 2019/20 Draft Budget (Ross Gilb): Review and consider adopting the Paradise Irrigation District Financial Plan for Fiscal Year 2019-2020. *Action may be taken.*
- d. Paradise Lake Residence (Manager Phillips): Review and consider information and options to provide direction to staff relating to the Paradise Lake residential home located at 6853 Lucretia Road, Magalia. *Action may be taken.*
- e. Director Vacancy, Division 5 – Letter of resignation from Bob Prevot effective August 15, 2019. Discussion of procedure to fill vacancy and provide direction to staff for filling the Division 5 Director vacancy. *(Action may be taken)*
- f. Resolution of Appreciation (Manager Phillips): Adopt Resolution No. 2019-08 in appreciation of mutual aid support provided by water agencies and volunteer organizations that have assisted the District with recovery efforts following the November 8, 2018 Camp Fire. *Action may be taken. (Roll Call Vote)*

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

12. **CLOSED SESSION:**

- a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION: Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: One potential case.

13. **ANNOUNCEMENT FROM CLOSED SESSION**

14. **ADJOURNMENT**

CONSENT CALENDAR
REGULAR MEETING
PARADISE IRRIGATION DISTRICT
BOARD OF DIRECTORS

WEDNESDAY, AUGUST 21, 2019

A. APPROVAL OF MEETING AGENDA ORDER

B. APPROVAL OF MINUTES: July 17, 2019 Regular Meeting

MINUTES

REGULAR MEETING
BOARD OF DIRECTORS
PARADISE IRRIGATION DISTRICT
JULY 17, 2019

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

OPENING

BOARD MEMBERS PRESENT: Directors Dan Hansen, Shelby Boston, President Marc Sulik, Vice-President Bob Prevot, and Bill Kellogg

ROLL CALL

BOARD MEMBERS ABSENT: None

STAFF PRESENT: District Manager Kevin Phillips, Finance & Accounting Manager Ross Gilb, and Secretary Georgeanna Borrayo

ALSO PRESENT: Attorney Emily LaMoe and member of the public

Board members reviewed consent calendar items as follows:

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

- 2.a. Approval of Meeting Agenda Order
- 2.b. Approval of Minutes: Regular Meeting of June 19, 2019

It was moved by Director Kellogg and seconded by Director Boston to approve the Consent Calendar as presented.

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik
NOES: None
ABSENT: None

Motion passes 5-0

Ward Habriel commented on the following: 1) The absence of an audience this evening is likely due to the effectiveness of the recent PID Community Meeting at the Paradise Alliance Church; 2) Ongoing opportunities for public communications and meetings; 3) Acknowledged PID Consultant Sami Kader for his work and ability to speak to the public and present information on the recovery plan process; and 4) Partnering with the Paradise Ridge Fire Safe Council to include further emphasis on fire resistant landscaping areas in the PID Demonstration Garden.

PUBLIC
PARTICIPATION
(Item 3)

Manager Phillips highlighted information outlined in a written District Manager's Report. Additional comments included information regarding the following:

PID STAFF &
FACILITY REPORT
UPDATE FOR
JUNE 2019
(Item 4)

Spillway Investigation: Staff participated in a presentation to the Division of Dam Safety (DSOD) through a web conference regarding short-term and long-term options for District consideration for the Magalia Dam and Spillway. Implementation of interim risk-reduction measures included installation of a Gabion Wall in front of the right-side spillway wall, which is DSOD's preferred option as the best cost alternative. Realizing this would be difficult for the District to complete by this winter due to manpower and cost, DSOD was open to performing downstream clearing and increasing monitoring.

CONTINUED –
PID STAFF &
FACILITY REPORT
UPDATE FOR JUNE
2019

Legislative Budget Request: The District has been in contact with Assemblyman Gallagher's office to follow up on the status of the District's revenue backfill request. An update is not yet available.

FEMA/Cal OES: Staff has held meetings with FEMA and Cal OES to present a progress update. The Agreement with APTIM to provide Post Fire Disaster Public Assistance and Disaster Recovery Management Services has been finalized through legal review and will be prepared for signatures.

PID Water System Recovery: Board members and staff discussed the town and county ordinance that allows property owners to camp on their property until December 2020. Many people living in trailers on their property intend to rebuild and it would be helpful to have the ability to bring water into their trailer without having to set up a water tank or transport water from fill stations, etc. Staff will discuss potential options with PID's water system recovery team.

TREASURER'S
REPORT ACCEPTED
FOR PERIOD
ENDING 06/30/2019
(Item 5)

Finance & Accounting Manager Ross Gilb provided an overview of information highlighted in a written Treasurer's Report for the period ending June 30, 2019. It was moved by Director Boston and seconded by Director Hansen to accept the Treasurer's Report as presented for the period ending June 30, 2019.

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik

NOES: None

ABSENT: None

Motion passes 5-0

APPROVAL OF
CHECKS FOR THE
MONTH OF JUNE
2019 (Item 6)

Board members reviewed accounts payable expense reports for the month of June 2019. It was moved by Director Hansen and seconded by Director Boston to approve General Fund Check numbers 53424 through 53552 for the month of June 2019 totaling \$388,011.04, exclusive of voided check numbers 53449, 53510, and 53511, and authorization of a similar amount allowing or adjusting for extraordinary budget or Board approved items during the month of July.

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik

NOES: None

ABSENT: None

Motion passes 5-0

LEGAL REPORT

Attorney Emily LaMoe announced there is no open session legal report this evening.

UNFINISHED
BUSINESS:

None to Report.

NEW BUSINESS:

RESOLUTION NO.
2019-05 ADOPTED
FOR REFINANCING
OF THE 2007
INSTALLMENT SALE
AGREEMENT WITH
IBANK
(Item 9.a.)

Finance & Accounting Manager Ross Gilb reported on September 1, 2007 the District entered into an enterprise fund installment sales agreement with the California Infrastructure and Economic Development Bank (CIEDB) who issued tax-exempt bonds to fund the Magalia Reservoir Bypass capital project. Following the Camp Fire, the District has worked with the CIEDB to refinance the remaining loan balance on a 15-year term, with a zero percent interest rate and no principal payments due for the first 5 years of the loan, and a 1.00% interest rate through the remaining term. The refinance is projected to save the District approximately \$90,700 in interest expense.

It was moved by Director Kellogg and seconded by Director Hansen to adopt resolution number 2019-05 to enter into a new financing agreement with the California Infrastructure and Economic Development Bank upon legal review.

Directors' votes were polled as follows by roll call:

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik
NOES: None
ABSENT: None

Motion passes 5-0

Staff reported as part of the 2018 Annual Surveillance Report for the Magalia Dam, the District's engineering consultant recommended PID consider conducting a video inspection and cleaning of Piezometers 73-2 and 2F to confirm that reliable data is being collected from these piezometers. The District anticipates there is damage to the piezometers due to the Camp Fire. If this is confirmed during inspection, staff will work with FEMA to submit claim information.

It was moved by Director Hansen and seconded by Director Prevot to approve and authorize the District Manager, with review of Legal Counsel, to execute an agreement with Genterra Consultants to perform maintenance cleaning of Piezometers 73-2 and 2F at Magalia Dam as described under Tasks 1 through 4 of the proposal at a cost not to exceed the estimated amount of \$12,349 without written authorization from the District.

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik
NOES: None
ABSENT: None

Motion passes 5-0

Manager Phillips reported this agenda item is an action the Board takes annually to allocate and establish, by board resolution, the District's appropriation limit for the property taxes that are received each fiscal year. The fiscal year 2019/20 budgeted revenue from property taxes is \$240,000.

It was moved by Director Hansen and seconded by Director Boston to adopt Resolution No. 2019-04 establishing the appropriation limit of the District at \$1,649,619.00 for Fiscal year 2019/20 pursuant to Article XIII B of the California Constitution. Directors' votes were polled as follows by roll call:

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik
NOES: None
ABSENT: None

Motion passes 5-0

Manager Phillips indicated Sections 25806 and 25807 of the California Water Code provide the authority to add certain unpaid charges to the District's assessment roll and to become part of the annual secured property tax roll levied upon the land in which the charges are unpaid.

In consideration for the number of customers now residing in different locations following the fire, Director Boston suggested putting this information out through social media and other resources; i.e., Facebook, Camp Fire Zone Captains, and Town of Paradise weekly updates, etc.

It was moved by Director Boston and seconded by Director Hansen to adopt Resolution No. 2019/06 transmitting delinquent water charges to the County of Butte to place on the secured tax roll.

CONTINUED –
RESOLUTION NO.
2019-05 ADOPTED
FOR REFINANCING
OF 2007
INSTALLMENT SALE
AGREEMENT-IBANK

CONTRACT TO
PERFORM
CLEANING OF
PIEZOMETERS AT
MAGALIA DAM
AWARDED TO
GENTERRA
CONSULTANTS
(Item 9.b.)

RESOLUTION NO.
2019-04 ADOPTED
ESTABLISHING
APPROPRIATION
LIMIT OF THE
DISTRICT FOR
FISCAL YEAR
2019/20
(Item 9.c.)

RESOLUTION NO.
2019-06 ADOPTED
TRANSMITTING
DELINQUENT
WATER CHARGES
TO BUTTE COUNTY
AUDITOR-
CONTROLLER FOR
2019/20 SECURED
PROPERTY TAX
ROLL (Item 9.d.)

Directors' votes were polled as follows:

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik

NOES: None

ABSENT: None

Motion passes 5-0

RESOLUTION NO.
2019-07 ADOPTED
AUTHORIZING
ONLINE BANKING
ACCESS
(Item 9.e.)

Manager Phillips reported the purpose of Resolution No. 2019-07 is to update and provide authorization to Ross Gilb as the Finance & Accounting Manager and to him as the District Manager, to be the administrator to the District's online banking with Tri-Counties Bank.

It was moved by Director Hansen and seconded by Director Boston to adopt Resolution No. 2019-07 authorizing acceptance of the Tri Counties Bank Treasury Management Services designating authorized administrators for online banking access on behalf of the District. Directors' votes were polled as follows:

AYES: Directors Hansen, Boston, Prevot, Kellogg, and Sulik

NOES: None

ABSENT: None

Motion passes 5-0

COMMITTEE
REPORTS
(Item 10.)

Community Relations Committee: Directors Sulik and Boston announced business discussed at the July 16 Community Relations Committee meeting included: 1) Overview of the community meeting on PID's Water System Recovery Plan held at the Paradise Alliance Church on July 15 and the positive interaction with the public; 2) Winterizing the backflow assemblies; 3) PID Demonstration Garden - Repair and replacement of damaged irrigation line and highlighting drought and fire-resistant plants; and 4) PID hats and shirts for staff and mutual aid partners.

DIRECTORS'
COMMENTS
(Item 11.)

Director Prevot: Stated many Paradise residents that were adequately insured will likely plan to rebuild; however, he is concerned about anyone that may have been uninsured and whether it is possible to incorporate a payment plan or subsidize a portion of the interim water supply fee for customers experiencing a hardship.

Director Boston: Commented on support and assistance services to Camp Fire survivors via an unmet needs group that meets through the Long-Term Recovery Group in Chico. Assistance with disaster-related unmet needs is available through a grant received by the North Valley Community Foundation to help people impacted by the fire.

President Sulik: Expressed appreciation for the work and support from agencies providing mutual aid to the District.

Director Kellogg: Commented on developing a label and bottling PID's water for distribution through a distributing company.

CLOSED SESSION
(Item 12.a.)

President Sulik announced closed session item 12.a. As there were no public comments, the Board adjourned to closed session at 8:58 p.m. regarding the following:

12.a. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION: Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: One potential case.

CLOSED SESSION
ANNOUNCEMENT

President Sulik reconvened the regular meeting at 9:14 p.m. and announced direction has been given to Legal Counsel regarding closed session item 12.a. listed above.

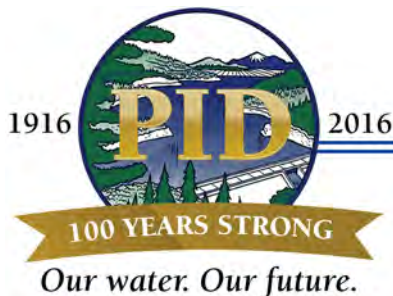
It was moved by President Sulik to adjourn the meeting. The regular meeting was adjourned at 9:15 p.m.

ADJOURNMENT

Georgeanna Borrayo, Secretary

Marc Sulik, President

PENDING BOARD APPROVAL



PARADISE IRRIGATION DISTRICT

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"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, District Manager

DATE: August 16, 2019

RE: District Manager Report

Water Rights

The District is working with our water rights engineer and environmental engineer to restart the EIR process. The District is working with the Water Board staff to have our alternative compliance method approved to meet the State standards.

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, 2017 with Water Works Engineering and Larry Walker Engineering. The Water Board adopted the 2-year extension of the Time Schedule Order on Dec 8, 2017 for the District's NPDES permit. We had a meeting on February 13, 2018 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 a \$773,964 SRF loan to design the B Reservoir. The District awarded the contract to Water Works Engineering during the May 2017 Board Meeting, and approved the change order at the September 2017 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 on right-of-way issues with the County and legal.

Spillway Investigation

The District received a letter on May 17, 2017 ordering the District to conduct an extensive evaluation of both spillways. We requested an extension of the timeline from July 15, 2017 to September 1, 2017 to submit a work plan to the Department of Safety of Dams. We met with the Division of Safety of Dams on July 6, 2017. The District submitted our work plan on both spillways on September 7, 2017. The District hired Genterra Consultants, Inc. to complete the Phase one work plan. They started field work on Nov 6, 2017 and expect the work to continue through February 2018. The District cleared trees and brush below the Magalia Dam before the Nov 1, 2017 deadline. Genterra requested

an extension of time to issue the Phase one condition assessment report. The District granted the extension to March 19th. (see attached PowerPoint presentation)

Recovery Plan Update:

San Francisco Water Department sent 15 water professionals the week of June 3, and 7 water professionals the week of June 10 to assist in the recovery effort.

- Prepare and sample over 295 locations including 235 standing structures (about 15% of standing structures)
- Prepare and sample over 150 fire hydrants (more than 12% of the system's hydrants)
- Flush dead-end water mains
- Sever and separate water services in areas that were not completed earlier in the year (this effort is intended to reduce water leaks during lot clearing operations).

PID staff:

- Oversee and assist San Francisco staff on completion of work
- Assemble and install Interim Water services for customers
- Conduct residential fire flow tests for new construction
- In coordination with the Town of Paradise, oversee commercial fire flow operations
- Repair mains and service laterals as problems arise
- Complete USA requests
- Respond to other customer service requests

Long-term Business Plan:

Intertie with Chico

- Created a one-page analysis of the intertie project for distribution to legislators
- Met with Cal Water, Butte County, Senator Nielsen, Assembly Member Gallagher, Labor Lobbyist on June 6th to discuss the project.
- Butte County has secured \$25,000 to complete a feasibility study

Delivering Water to Kunkle Reservoir

- Met with PG&E, Butte County, Cal Water and Del Oro to discuss options to deliver water to PG&E to keep water in Kunkle Reservoir
- Discussed options to have Miocene water delivered into Paradise Lake
- Discussed Long-Term solutions to the Miocene Canal problems

Staffing updates:

- The District advertised for 5 temporary utility workers about a month ago.
 - We received 3 applications and all 3 individuals were not able to meet the requirements for employment at the District.
- 4 current employees have given notice that they will be leaving in the next 3 weeks.
- We filled the Distribution System Operator and the Assistant Distribution Superintendent positions. (Filled with Current Employees)
- We are going to fly 2 Crew Leader positions, and a Meter Serviceperson position (In House)
- We have advertised for 6 Utility Workers to fill the vacancies created by the individuals leaving the area.
- We have received 6 employees from Butte County Alliance for Workforce Development.

Legislative Budget Request

- The Governor earmarked 10 million for Camp Fire agencies in his May revise. 7 of the 10 million is set aside for PID.
- The Assembly earmarked 35 million for Camp Fire agencies in their May revise.
- The final compromise was 15 million for all fire victims. We are pushing for a one-year earmark for the District in the amount of 7.2 million. This is a one year backfill, so the District will need go back to the State for the second year of backfill.

FEMA/Cal OES

- The District selected APTIM to assist the District in FEMA reimbursement process.
- Water Works Engineering is working on preparing a cost estimate for the full repair of the system.



PARADISE IRRIGATION DISTRICT

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1. Cash Position – At 07/31/2019 the District's total cash position was \$4,044,068.

2. Debt Service Analysis

- a. Through 07/31/2019 the District has not incurred debt service payments for the current fiscal year. The first debt service payment of the fiscal year is due on 10/01/19 for \$299,369. The total annual budgeted debt service is \$841,723.
- b. The District's total outstanding debt is \$6,241,545.
 - i. IBank \$1,035,645
 - ii. Capital One \$2,156,000
 - iii. BB&T \$3,049,900
- c. The District has received confirmation of the refinance of the remaining loan balance of the IBank loan. The loan structure consists of a 15-year term, with a zero percent interest rate and no principal payments due for the first 5 years of the loan, and a 1.00% interest rate through the remaining term of the loan. The principal and interest payment structure for the last 10 years of the refinanced loan term mirror the prior interest and principal payment structure.

3. Operational Overview and Highlights – FY 2019/20

- a. The District is not charging consumption fees due to the damage to the District's distribution system. Customers with non-potable service continue to be charged the readiness to serve charge of \$21.49 per month. As customers are cleared for potable service, they will return to the standard service charge based on the size of their service line/meter.
- b. The District continues to allow for reversal of the readiness to serve charge for customers who choose to permanently disconnect service. Through 07/31/19 the District has processed 1,689 customer requests to permanently disconnect services.
- c. The District is collecting fees for Interim Water Supply installation. Through 07/31/19 the District has processed 738 total requests for Interim Water Supply and has collected \$211,230 in related fees for the current fiscal year.
- d. The District is collecting service fees for Residential Fire Flow testing. Through 07/31/19 the District has processed 187 requests for Residential Fire Flow testing and has collected \$6,911 in related fees.
- e. Total expenditures are within budgeted expectations for the fiscal year ended 06/30/20. The District cannot substantially reduce operational cost as the majority of the District's expenses are fixed.
- f. The District continues to work with the State of California, FEMA, and insurance to fund the recovery of the District distribution system.
- g. We have made a request to the State of California for a budget allocation of \$21 million dollars to help bridge the gap for three years for the loss of revenue due to the Camp fire. Based on this initial request, the State of California has allocated approximately \$15



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million for agencies affected by 2018 California State fires. PID staff has been continuously working with the California State Department of Finance to finalize the PID portion of the allocated funds, which is estimated to be \$7 million based on a one-year backfill estimate. These funds are estimated to be received by the District by the end of August 2019.

4. ICMA-RC Retirement Fund Delayed Contributions:

Based on financial review, we have identified retirement contributions for three payroll dates in December, April and May that were not contributed timely by the District. The original contributions were promptly funded once identified in late June 2019. In order to properly compensate employees for any potential loss of gains associated with the delayed contributions, ICMA-RC has generated a gain/loss report for the period between the missed contribution date and the date the contributions were funded. The range of the gains for the April and May contributions is from \$0.17 to \$31.18 per employee, and totals \$298.95. ICMA-RC is in the process of calculating the gain/loss reports for the December 2018 contributions.

As a result of the identification of this error, we have developed additional review procedures in the payroll process to provide further assurance of the accuracy of payroll processing.

Paradise Irrigation District
July 31, 2019
Financial Summary

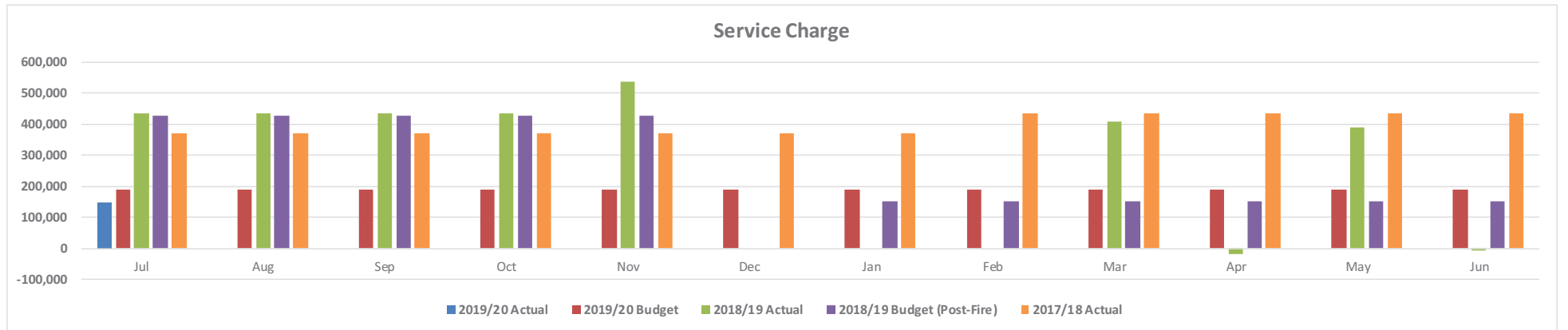
Description	2018/19 Actual	2019/20 Budget	2019/20 Actual
<u>REVENUES:</u>			
Water Sales	5,365,105	2,301,554	146,417
Outside Water Sales	68,689	-	-
Other	652,634	719,240	259,870
Interest	12,760	60,000	-
Taxes - 1%	286,826	270,000	-
FMV Gain/Loss - Securities	1,031	-	-
Inc-Save-A-Can/Buy-A-Fish	747	-	-
Inc-Capacity Fees	35,008	-	-
Revenue - PFD	73,308	-	8,905
Total Revenue	6,496,107	3,350,794	415,192
<u>EXPENDITURES:</u>			
Operating	4,990,364	5,311,705	362,009
Pipeline	290,729	-	-
Debt Service	609,108	841,723	-
Save a Can	-	-	-
PFD	8,414	150,000	-
Total Expenditures	5,898,615	6,303,427	362,009
Increase/(Decrease) in Cash before Recovery, Debt Proceeds, and Capital Improvements	597,493	(2,952,633)	53,183
Debt Proceeds	-	-	-
Increase/(Decrease) in Cash before Recovery and Capital Improvements	597,493	(2,952,633)	53,183
FEMA Reimbursements	1,217,402	2,625,000	-
Insurance Proceeds	1,350,000	2,950,000	-
State Funding	-	7,000,000	-
Cash Available for Recovery/Capital Projects	2,567,402	12,575,000	-
	3,164,895	9,622,367	53,183
Capital/Recovery Projects	(2,378,529)	(3,425,000)	(52,912)
Increase/(Decrease) in Cash	786,365	6,197,367	271
Beginning Cash Balance	3,257,432	4,043,797	4,043,797
Ending Cash Balance	4,043,797	10,241,164	4,044,068

Paradise Irrigation District
July 31, 2019
Revenue Summary

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Actual	FY 2019/20 Estimate	FY 2019/20 Actual
<u>General Fund/Operating</u>					
Water - Service	4,397,207	4,871,781	3,755,354	2,295,054	146,493
Water - Consumption	2,629,210	3,070,573	1,587,485	-	(476)
Water - Fees & Adjustments	43,355	49,298	22,266	6,500	400
Outside Water Sales	110,874	115,728	68,689	-	-
Meter Revenue	31,915	15,225	265,156	511,300	211,230
Recreation & Boating Permits	38,814	39,789	22,778	10,000	4,322
Backflow Check	10,940	10,960	20,527	4,000	160
Rents	17,095	15,740	9,392	15,180	1,119
Revenue - Surplus Property	24,737	17,481	273,233	-	-
Escrow Fees	-	-	-	5,000	-
Annexation	2,140	546	-	-	-
Custom Work/PFD Reimbursement	94,780	200,000	15,125	173,760	6,911
Misc	52,591	30,602	46,424	-	36,130
Interest	-	-	-	-	-
Total Operating Income	7,453,658	8,437,722	6,086,428	3,020,794	406,287
<u>Special Revenue Fund</u>					
Capital Improvement Program					
Taxes - 1%	259,213	271,960	286,826	270,000	-
\$1 Surcharge for Capital Projects					
Interest	34,783	11,326	12,760	60,000	-
FMV Gain/Loss - Securities	187	(514)	1,031	-	-
Inc-Capacity Fees	57,262	39,414	35,008	-	-
RDA Reimbursement	-	-	-	-	-
Grant	-	-	-	-	-
Inc-Save-A-Can/Buy-A-Fish	6,622	8,351	747	-	-
Total Capital Improvement	358,067	330,538	336,371	330,000	-
<u>Debt Service Fund</u>					
Inc-Assessment Res (PID Share)	193,420	1,756	-	-	-
Interest	6,907	-	-	-	-
Total Debt Service	200,327	1,756	-	-	-
<u>Recovery Proceeds</u>					
State Backfill Funding	-	-	-	7,000,000	-
FEMA Reimbursements	-	-	1,217,402	2,625,000	-
Insurance Proceeds	-	-	1,350,000	2,950,000	-
Total Recovery Proceeds	-	-	2,567,402	12,575,000	-
<u>PFD</u>					
Revenue - PFD	122,794	124,037	73,308	-	8,905
PFD - Interest Income					
Total PFD	122,794	124,037	73,308	-	8,905
Total Revenue	8,134,846	8,894,053	9,063,509	15,925,794	415,192

Paradise Irrigation District
July 31, 2019
Water Revenue

	Service Charge												
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Year to Date Totals
2019/20 Actual	146,492.90												146,492.90
2019/20 Budget	191,260.00	191,259.00	191,258.00	191,257.00	191,256.00	191,255.00	191,254.00	191,253.00	191,252.00	191,251.00	191,250.00	191,249.00	2,295,054.00
2018/19 Actual	436,392.90	436,643.38	436,273.95	436,719.47	537,251.36	-	-	-	410,683.57	(17,049.96)	391,672.04	(7,797.98)	3,060,788.73
2018/19 Budget (Post-Fire)	429,021.00	429,021.00	429,021.00	429,021.00	429,021.00	-	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00	3,045,105.00
2017/18 Actual	370,414.10	371,213.98	370,772.40	371,237.20	370,130.18	371,681.00	371,421.01	436,336.33	436,122.75	436,034.97	435,797.15	435,718.87	4,776,879.94
2016/17 Actual	341,413.24	339,237.37	341,571.71	341,336.16	341,299.65	340,548.52	370,001.59	373,087.79	371,908.05	371,244.66	371,420.70	370,865.06	3,903,069.44



Paradise Irrigation District
July 31, 2019
Operational Expense Summary

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Actual	FY 2019/20 Estimate	FY 2019/20 Actual
<u>Operational Summary</u>					
Salary and Benefits	3,715,155	3,583,708	3,834,620	3,683,437	288,768
Materials and Supplies	669,902	641,180	568,531	787,100	12,214
Outside Services	358,722	442,291	216,443	442,120	12,188
Utilities	260,884	290,220	241,473	286,739	19,111
Insurance	86,488	111,642	107,607	94,909	29,728
Board	89,120	23,471	21,691	17,400	-
Total Operating Expense	5,180,270	5,092,511	4,990,364	5,311,705	362,009
	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Actual	FY 2019/20 Estimate	FY 2019/20 Actual
<u>Source of Supply</u>					
Salary and Benefits	1,134	-	3,568	-	-
Materials and Supplies	58,344	55,247	29,461	26,500	-
Outside Services	8,387	9,138	3,926	7,070	-
Utilities	3,666	5,229	5,294	3,100	25
Insurance	800	492	-	-	-
Total Source and Supply	72,332	70,106	42,249	36,670	25
<u>Security & Recreation</u>					
Salary and Benefits	192,704	173,017	143,483	-	39,723
Materials and Supplies	1,237	1,494	554	4,200	-
Outside Services	5,450	1,427	1,925	4,350	-
Utilities	10,598	6,314	3,890	2,700	160
Insurance	2,486	1,530	-	1,565	-
Total Security & Recreation	212,474	183,781	149,851	12,815	39,884
<u>Water Treatment</u>					
Salary and Benefits	947,798	932,485	1,006,757	791,949	79,749
Materials and Supplies	191,014	183,223	196,599	231,900	334
Outside Services	22,381	23,262	29,931	71,250	288
Utilities	137,303	146,929	117,886	153,300	8,496
Insurance	19,773	12,168	-	17,740	-
Total Water Treatment	1,318,268	1,298,068	1,351,173	1,266,139	88,867
<u>Transmission & Distribution</u>					
Salary and Benefits	998,301	1,103,566	1,117,209	1,689,933	75,328
Materials and Supplies	176,836	191,972	168,200	289,500	7,544
Outside Services	23,688	21,988	18,567	34,900	2,554
Utilities	56,603	64,252	64,467	80,600	5,514
Insurance	16,048	9,876	-	26,778	-
Total Transmission and Distribution	1,271,476	1,391,655	1,368,444	2,121,712	90,940
<u>Customer Service</u>					
Salary and Benefits	448,304	453,206	467,799	341,606	25,745
Materials and Supplies	6,497	27	5,132	7,000	-
Outside Services	4,267	3,847	3,121	10,000	-
Insurance	5,991	3,687	-	11,936	-
Total Customer Service	465,059	460,766	476,051	370,542	25,745
<u>Administration</u>					
Salary and Benefits	1,126,914	921,433	1,095,804	859,948	68,223
Materials and Supplies	235,975	209,216	168,585	228,000	4,337
Outside Services	294,550	382,630	158,974	314,550	9,346
Utilities	52,714	67,496	49,935	47,039	4,915
Insurance	41,389	83,889	107,607	36,890	29,728
Board	89,120	23,471	21,691	17,400	-
Total Administration	1,840,661	1,688,136	1,602,596	1,503,826	116,548

Paradise Irrigation District
July 31, 2019
Debt Service

Loan Name	FY 2016/17 Actual Total Payments	FY 2017/18 Actual Total Payments	FY 2018/19 Actual Total Payments	FY 2019/20 Estimated Total Payments	FY 2019/20 Actual Total Payments
Davis Grunsky	182,743	-	-	-	-
IBANK	130,276	130,240	130,202	-	-
Private Placement Loan	-	-	-	-	-
2009 COP's	614,694	538,047	-	-	-
2016 Private Placement (Refi)	243,426	244,874	148,325	246,002	-
2017 Private Placement (Refi)	-	75,192	330,580	595,721	-
New Debt	-	-	-	-	-
Total	1,171,139	988,353	609,108	841,723	-

Paradise Irrigation District
July 31, 2019
Recovery Related Expenditures

Recovery Expenditure Projection

- Supplies and services consist of construction costs associated with repair of the distribution system. FY 2019/20 estimates are based on costs incurred during the prior year and expected costs to be incurred based on the current recovery plan.
- Professional Services/Engineering consist of engineering cost, mutual aid support, legal fees, and public assistance contracting costs.
- Water sampling costs are estimated based on the number of water samples expected to be completed during FY 2019/20.

	FY 2018/19 Actual	FY 2019/20 Estimate	FY 2019/20 Actual
<u>Materials and Supplies</u>			
Supplies and Services	714,209	750,000	38,536
<u>Outside Services</u>			
Professional Services/Engineering	1,309,242	2,425,000	-
Water Sampling	147,345	250,000	14,377
	2,170,796	3,425,000	52,912

Paradise Irrigation District
July 31, 2019
Contracts

Contracts		Total Contract Price	Total Paid	Remaining
Wagner & Bonsignore	Water Rights Engineer	Open	98,884.11	Open
De Novo Planning Group	Water Rights Engineer	306,430.00	204,558.74	101,871.26
Genterra Consultants	Spillway Investigation	360,214.00	346,099.32	14,114.68
Water Works	B-Reservior	773,964.00	739,728.26	34,235.74
Water Works	NPDES Permit	158,906.00	92,094.94	66,811.06
Water Works	Project Management Services	1,000,000.00	207,322.43	792,677.57
APTIM	Public Assistance Services	1,000,000.00	-	1,000,000.00
Firestorm	Arborist Services	26,880.00	7,500.00	19,380.00
		TOTAL OUTSTANDING OBLIGATIONS		<u>2,029,090.31</u>



Paradise Irrigation District

Expense Approval Report

By Vendor Name

Payment Dates 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
Vendor: 02957 - Aflac					
07/12/2019	DFT0003356	Montly Aflac Invoice			283.14
07/26/2019	DFT0003369	Montly Aflac Invoice			283.14
Vendor 02957 - Aflac Total:					566.28
Vendor: 03066 - Airgas USA, LLC					
07/18/2019	53585	Welding Supplies			532.55
Vendor 03066 - Airgas USA, LLC Total:					532.55
Vendor: 02847 - American Conservation & Billing Solutions					
07/11/2019	53559	Aquahawk Alerting			100.00
Vendor 02847 - American Conservation & Billing Solutions Total:					100.00
Vendor: 02840 - American Messaging					
07/11/2019	53560	Standby Pager - Shop			38.80
Vendor 02840 - American Messaging Total:					38.80
Vendor: 03078 - American Technologies, Inc					
07/25/2019	53637	Job #18-F1 - Smoke Cleaning			77,151.53
07/25/2019	53637	Job #18-F1 - Smoke cleaning			33,649.62
07/25/2019	53637	Job #18-F1 - Smoke Cleaning			21,878.97
07/25/2019	53637	Job #18-F1 - Smoke Cleaning			60,404.71
07/25/2019	53637	Job #18-F1 - Smoke Cleaning			7,688.69
Vendor 03078 - American Technologies, Inc Total:					200,773.52
Vendor: 01068 - Aramark Uniform Services					
07/02/2019	53554	Uniforms			368.01
07/02/2019	53554	Uniforms			398.90
07/18/2019	53586	Uniforms - Shop			223.17
07/18/2019	53586	Uniforms - TP			75.46
07/18/2019	53586	Uniforms - TP			169.61
Vendor 01068 - Aramark Uniform Services Total:					1,235.15
Vendor: 03071 - BC Laboratories, Inc.					
07/18/2019	53587	Job #18-F1 - Water Sampling (28)			1,845.00
07/18/2019	53587	Job #18-F1 - Water Sampling (24)			1,560.00
07/18/2019	53587	Job #18-F1 - Water Sampling (10)			650.00
07/18/2019	53587	Job #18-F1 - Water Sampling (13)			845.00
07/18/2019	53587	Job #18-F1 - Water Sampling (4)			260.00
07/18/2019	53587	Job #18-F1 - Water Sampling (6)			390.00
07/18/2019	53587	Job #18-F1 - Water Sampling			390.00
07/18/2019	53587	Job #18-F1 - Water Sampling (26)			1,690.00
07/18/2019	53587	Job #18-F1 - Water Sampling (6)			390.00
07/18/2019	53587	Job #18-F1 - Water Sampling (27)			1,755.00
07/18/2019	53587	Job #18-F1 - Water Sampling (13)			845.00
07/18/2019	53587	Job #18-F1 - Water Sampling (10)			650.00
07/18/2019	53587	Job #18-F1 - Water Sampling (23)			1,520.00

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/18/2019	53587	Job #18-F1 - Water Sampling (11)			715.00
07/18/2019	53587	Job #18-F1 - Water Sampling (11)			740.00
07/18/2019	53587	Job #18-F1 - Water Sampling (12)			805.00
07/18/2019	53587	Job #18-F1 - Water Sampling (18)			1,170.00
07/18/2019	53587	Job #18-F1 - Water Sampling (5)			325.00
07/18/2019	53587	Job #18-F1 - Water Sampling (21)			1,390.00
07/25/2019	53638	Job #18-F1 - Water Sampling			325.00
07/25/2019	53638	Job #18-F1 - Water Sampling			415.00
Vendor 03071 - BC Laboratories, Inc. Total:					18,675.00
Vendor: 01135 - Butte County Treasurer					
07/11/2019	53561	19-20 LAFCO Op. Exp.			8,942.16
Vendor 01135 - Butte County Treasurer Total:					8,942.16
Vendor: 03074 - Buttes / Center State Pipe & Supply					
07/18/2019	53589	Job #18- F1 - Backflow Assembly			20,510.82
07/18/2019	53589	Job #18- F1 - Backflow Assembly			12,822.25
Vendor 03074 - Buttes / Center State Pipe & Supply Total:					33,333.07
Vendor: 03065 - Comcast Business					
07/18/2019	53590	Internet - Office			851.43
Vendor 03065 - Comcast Business Total:					851.43
Vendor: 01320 - Comcast					
07/11/2019	53562	Internet			600.11
Vendor 01320 - Comcast Total:					600.11
Vendor: 01480 - Employment Development Dept.					
07/15/2019	DFT0003350	State Income Tax Withholding			1.21
07/15/2019	DFT0003353	State Disability Withholding			0.55
07/15/2019	DFT0003358	State Income Tax Withholding			4,212.15
07/15/2019	DFT0003361	State Disability Withholding			920.97
07/29/2019	DFT0003363	State Income Tax Withholding			-144.73
07/29/2019	DFT0003366	State Disability Withholding			-15.68
07/29/2019	DFT0003389	State Income Tax Withholding			-277.60
07/29/2019	DFT0003392	State Disability Withholding			-23.06
07/29/2019	DFT0003371	State Income Tax Withholding			4,448.45
07/29/2019	DFT0003374	State Disability Withholding			923.76
07/29/2019	DFT0003377	State Income Tax Withholding			60.35
07/29/2019	DFT0003380	State Disability Withholding			21.96
07/29/2019	DFT0003383	State Income Tax Withholding			3,231.08
07/29/2019	DFT0003386	State Disability Withholding			320.49
Vendor 01480 - Employment Development Dept. Total:					13,679.90
Vendor: 02871 - Evergreen Janitorial Supply, Inc					
07/18/2019	53591	Janitorial Supplies - Office			62.92
Vendor 02871 - Evergreen Janitorial Supply, Inc Total:					62.92
Vendor: 03072 - Excelchem Laboratories, Inc.					
07/18/2019	53592	Job #18-F1 - Water Sampling (284)			18,176.00
Vendor 03072 - Excelchem Laboratories, Inc. Total:					18,176.00
Vendor: 01528 - FGL Environmental					
07/18/2019	53593	Job #18-F1 - Water Sampling (8)			276.00
07/18/2019	53593	Job #18-F1 - Water Sampling (4)			396.00

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/18/2019	53593	Job #18-F1 - Water Sampling (11)			381.00
07/18/2019	53593	Job #18-F1 - Water Sampling (1)			52.00
07/18/2019	53593	Job #18-F1 - Water Sampling (3)			91.00
07/18/2019	53593	Job #18-F1 - Water Sampling			88.00
07/18/2019	53593	Job #18-F1 - Water Sampling			52.00
Vendor 01528 - FGL Environmental Total:					1,336.00
Vendor: 01539 - Firestorm Wildland Fire Suppression, Inc.					
07/11/2019	53563	Job #18-F1 - Tree Removal			7,500.00
Vendor 01539 - Firestorm Wildland Fire Suppression, Inc. Total:					7,500.00
Vendor: 01587 - Genterra Consultants, Inc.					
07/11/2019	53564	Dam Surveillance			11,391.25
Vendor 01587 - Genterra Consultants, Inc. Total:					11,391.25
Vendor: 01616 - Grainger Inc					
07/18/2019	53594	Misc. Supplies - TP			25.38
07/18/2019	53594	Equipment Repairs - TP			566.99
Vendor 01616 - Grainger Inc Total:					592.37
Vendor: 01673 - Herc Rentals					
07/11/2019	53565	Job #18-F1 - Equipment Rental			2,089.75
07/11/2019	53565	Job #18-F1 - Equipment Rental			967.09
07/11/2019	53565	Job #18-F1 - Equipment Rental			3,517.32
Vendor 01673 - Herc Rentals Total:					6,574.16
Vendor: 01688 - Home Depot Credit Services					
07/25/2019	53639	Small Hand Tools			406.48
07/25/2019	53639	Construction & Maint. Supplies			195.43
07/25/2019	53639	Construction & Maint. Supplies			260.48
07/25/2019	53639	Construction & Maint. Supplies			693.04
Vendor 01688 - Home Depot Credit Services Total:					1,555.43
Vendor: 01705 - Hunt & Sons, Inc.					
07/02/2019	53555	Fuel			1,743.41
07/02/2019	53555	Fuel			201.60
07/02/2019	53555	Fuel			655.07
07/18/2019	53595	Fuel			304.21
07/18/2019	53595	Fuel			612.37
07/25/2019	53640	Fuel			303.03
07/25/2019	53640	Fuel			1,000.87
07/25/2019	53640	Fuel			703.77
Vendor 01705 - Hunt & Sons, Inc. Total:					5,524.33
Vendor: 02834 - Hydrotec Solution, Inc.					
07/11/2019	53566	Bldg & Grounds Maint - Shop			30.00
Vendor 02834 - Hydrotec Solution, Inc. Total:					30.00
Vendor: 01713 - I.B.E.W. Local Union 1245					
07/02/2019	53556	Union Dues			-43.87
07/02/2019	53556	Union Dues			-2.00
07/02/2019	53556	Union Dues			76.30
07/02/2019	53556	Union Dues			-32.00
07/02/2019	53556	Union Dues			697.26
07/02/2019	53556	Union Dues			-2.00
07/02/2019	53556	Union Dues			33.96
07/11/2019	53567	Union Dues			-32.00
07/11/2019	53567	Union Dues			653.39
Vendor 01713 - I.B.E.W. Local Union 1245 Total:					1,349.04
Vendor: 01716 - ICMA Retirement Trust-401					
07/11/2019	1264	Retirement - 401(a) Match			1,991.96
07/26/2019	DFT0003394	Retirement - 401(a) Match			-43.73
07/26/2019	DFT0003394	Retirement - 401(a) Match			-63.46

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/26/2019	DFT0003394	Retirement - 401(a) Match			2,029.56
07/26/2019	DFT0003394	Retirement - 401(a) Match			50.09
07/26/2019	DFT0003394	Retirement - 401(a) Match			881.31
Vendor 01716 - ICMA Retirement Trust-401 Total:					4,845.73
Vendor: 01715 - ICMA Retirement Trust-457					
07/11/2019	1265	Retirement Trust - 457			1,991.96
07/11/2019	1265	Deferred Comp 457			6,191.80
07/11/2019	1265	Retirement Trust - 457			599.50
07/11/2019	1265	Retirement Trust - 457			2,008.49
07/11/2019	1265	Loan Payment			447.82
07/11/2019	1265	Loan Payment			125.00
07/11/2019	1265	Loan Payment			40.11
07/11/2019	1265	Loan Payment			184.94
07/26/2019	DFT0003395	Retirement Trust - 457			-43.73
07/26/2019	DFT0003395	Deferred Comp 457			-131.19
07/26/2019	DFT0003395	Retirement Trust - 457			-63.46
07/26/2019	DFT0003395	Deferred Comp 457			-190.37
07/26/2019	DFT0003395	Retirement Trust - 457			2,029.56
07/26/2019	DFT0003395	Deferred Comp 457			6,304.70
07/26/2019	DFT0003395	Retirement Trust - 457			599.77
07/26/2019	DFT0003395	Retirement Trust - 457			1,971.49
07/26/2019	DFT0003395	Loan Payment			447.82
07/26/2019	DFT0003395	Loan Payment			125.00
07/26/2019	DFT0003395	Loan Payment			40.11
07/26/2019	DFT0003395	Loan Payment			184.94
07/26/2019	DFT0003395	Retirement Trust - 457			50.09
07/26/2019	DFT0003395	Deferred Comp 457			150.26
07/26/2019	DFT0003395	Retirement Trust - 457			881.31
07/26/2019	DFT0003395	Deferred Comp 457			2,643.93
Vendor 01715 - ICMA Retirement Trust-457 Total:					26,589.85
Vendor: 02807 - Infosend					
07/18/2019	53596	Postage			6,377.44
Vendor 02807 - Infosend Total:					6,377.44
Vendor: 01720 - Inland Business Systems					
07/18/2019	53597	Office Equip. Maint. - Office			404.12
Vendor 01720 - Inland Business Systems Total:					404.12
Vendor: 03062 - Instrument Technology Corporation					
07/02/2019	53557	Small Hand Tools			3,403.35
Vendor 03062 - Instrument Technology Corporation Total:					3,403.35
Vendor: 01731 - Internal Revenue Service					
07/15/2019	DFT0003351	FICA Withholding			6.80
07/15/2019	DFT0003352	Fed Withholding			5.49
07/15/2019	DFT0003354	Medicare Withholding			1.60
07/15/2019	DFT0003359	FICA Withholding			11,316.26
07/15/2019	DFT0003360	Fed Withholding			10,636.80
07/15/2019	DFT0003362	Medicare Withholding			2,646.58
07/29/2019	DFT0003364	FICA Withholding			-194.50
07/29/2019	DFT0003365	Fed Withholding			-329.20
07/29/2019	DFT0003367	Medicare Withholding			-45.48
07/29/2019	DFT0003390	FICA Withholding			-285.88
07/29/2019	DFT0003391	Fed Withholding			-759.14
07/29/2019	DFT0003393	Medicare Withholding			-66.86
07/29/2019	DFT0003372	FICA Withholding			11,363.32
07/29/2019	DFT0003373	Fed Withholding			11,018.01
07/29/2019	DFT0003375	Medicare Withholding			2,657.58
07/29/2019	DFT0003378	FICA Withholding			272.24
07/29/2019	DFT0003379	Fed Withholding			156.27
07/29/2019	DFT0003381	Medicare Withholding			63.68
07/29/2019	DFT0003384	FICA Withholding			3,974.06

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/29/2019	DFT0003385	Fed Withholding			9,153.05
07/29/2019	DFT0003387	Medicare Withholding			929.42
Vendor 01731 - Internal Revenue Service Total:					62,520.10
Vendor: 03057 - International Brotherhood of 137 TCWH					
07/11/2019	53568	Union Dues Teamsters			218.77
Vendor 03057 - International Brotherhood of 137 TCWH Total:					218.77
Vendor: 01729 - Interstate Batteries of the Rogue River					
07/18/2019	53598	Equipment Repairs - #27 2008 F650 Dump Truck			263.73
Vendor 01729 - Interstate Batteries of the Rogue River Total:					263.73
Vendor: 01742 - J C Nelson Supply Co.					
07/18/2019	53599	Janitorial Supplies - Shop			377.21
Vendor 01742 - J C Nelson Supply Co. Total:					377.21
Vendor: 01771 - Keller Supply					
07/11/2019	53569	Job #18-F1 - Construction & Maint. Supplies			44.81
Vendor 01771 - Keller Supply Total:					44.81
Vendor: 01844 - Lowe's Home Improvement					
07/18/2019	53600	Construction & Maint. Supplies			548.95
Vendor 01844 - Lowe's Home Improvement Total:					548.95
Vendor: 01902 - Miller Glass Inc.					
07/18/2019	53601	Equipment Repairs - #25			205.00
Vendor 01902 - Miller Glass Inc. Total:					205.00
Vendor: 01905 - Minasian, Meith, Soares, Sexton & Cooper, LLP					
07/11/2019	53570	Legal Fees			8,884.51
07/11/2019	53570	Legal Fees			11,774.85
07/18/2019	53602	Legal Fees			2,975.25
07/18/2019	53602	Job #18-F1 - Legal Fees			10,927.98
Vendor 01905 - Minasian, Meith, Soares, Sexton & Cooper, LLP Total:					34,562.59
Vendor: 03045 - N.C.G.T. SECURITY FUND					
07/11/2019	53571	Health			12,327.00
Vendor 03045 - N.C.G.T. SECURITY FUND Total:					12,327.00
Vendor: 01960 - Normac					
07/18/2019	53603	Job #18-F1 - Construction & Maint. Supplies			-5,984.31
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			207.76
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			62.81
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			39.00
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			93.45
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			22.85
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			55.12
07/18/2019	53603	Job #18- F1 - Construction & Maint. Supplies			12,833.27
Vendor 01960 - Normac Total:					7,329.95
Vendor: 01977 - North Valley Barricade					
07/18/2019	53604	Construction & Maint. Supplies			303.05
07/18/2019	53604	Small Hand Tools			121.21
07/18/2019	53604	Uniforms			444.15
Vendor 01977 - North Valley Barricade Total:					868.41
Vendor: 01980 - Northern Recycling & Waste Svcs					
07/18/2019	53605	Garbage - Lake			97.33
07/18/2019	53605	Garbage - TP			42.83

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/18/2019	53605	Garbage - Shop			154.43
07/18/2019	53605	Garbage - Office			54.82
Vendor 01980 - Northern Recycling & Waste Svcs Total:					349.41
Vendor: 01950 - Northstate Aggregate, Inc.					
07/11/2019	53572	Job #18-F1 - Construction & Maint. Supplies			448.07
07/11/2019	53572	Job #18-F1 - Construction & Maint. Supplies			473.01
07/11/2019	53572	Job #18-F1 - Construction & Maint. Supplies			476.96
Vendor 01950 - Northstate Aggregate, Inc. Total:					1,398.04
Vendor: 01995 - Office Depot					
07/18/2019	53606	Office Supplies - Shop			149.42
07/18/2019	53606	Office Supplies - Office			367.44
07/18/2019	53606	Office Supplies - Shop			206.01
Vendor 01995 - Office Depot Total:					722.87
Vendor: 01538 - O'Reilly Auto Parts					
07/18/2019	53607	Equipment Repairs - #42			133.44
07/18/2019	53607	Equipment Repairs - #7			212.87
07/18/2019	53607	Construction & Maint. Supplies			51.69
07/18/2019	53607	Equipment Repairs - #43			9.96
07/18/2019	53607	Small Hand Tool			57.06
07/18/2019	53607	Equipment Repairs - #169			80.64
07/18/2019	53607	Construction & Maint. Supplies			73.72
07/18/2019	53607	Equipment Repairs - #25			9.44
07/18/2019	53607	Equipment Repairs - #43			5.38
07/18/2019	53607	Construction & Maint. Supplies			112.10
Vendor 01538 - O'Reilly Auto Parts Total:					746.30
Vendor: 02030 - Pace Supply					
07/18/2019	53608	Job #18- F1 - Construction & Maint. Supplies			1,525.01
07/18/2019	53608	Job #18- F1 - Construction & Maint. Supplies			167.31
07/18/2019	53608	Job #18- F1 - Construction & Maint. Supplies			2,235.09
Vendor 02030 - Pace Supply Total:					3,927.41
Vendor: 02081 - Pacific Gas & Electric Company					
07/18/2019	53609	Monthly Gas & Electric - Geppetto North			24.57
07/18/2019	53609	Monthly Gas & Electric - Paradise Dam			62.98
07/18/2019	53609	Monthly Gas & Electric - Mag Res Filtration Plant			8,453.50
07/18/2019	53609	Monthly Gas & Electric - Tank Res E			17.67
07/18/2019	53609	Monthly Gas & Electric - Tank Res D			16.43
07/18/2019	53609	Monthly Gas & Electric - Tank Res C			13.94
07/18/2019	53609	Monthly Gas & Electric - Shop Gas			31.69
07/18/2019	53609	Monthly Gas & Electric - Moore Rd - Gas			15.69
07/18/2019	53609	Monthly Gas & Electric - Moore Rd Electric			3,425.50
07/18/2019	53609	Monthly Gas & Electric - Pumping Station Electric			19.88
07/18/2019	53609	Monthly Gas & Electric - Tank Res A			21.81
07/18/2019	53609	Monthly Gas & Electric - Office Electric			3,228.57

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/18/2019	53609	Monthly Gas & Electric - Office Gas			88.22
Vendor 02081 - Pacific Gas & Electric Company Total:					15,420.45
Vendor: 02061 - PBM Supply & Mfg					
07/18/2019	53610	Job #18- F1 - Construction & Maint. Supplies			29.83
07/18/2019	53610	Job #18- F1 - Construction & Maint. Supplies			21.26
Vendor 02061 - PBM Supply & Mfg Total:					51.09
Vendor: 02872 - Peerless Bldg. Maintenance Inc.					
07/11/2019	53573	Janitorial Service			702.00
Vendor 02872 - Peerless Bldg. Maintenance Inc. Total:					702.00
Vendor: 03048 - Plan B Professional Answering Sewrvice					
07/11/2019	53574	Job #18-F1 - Equipment Rental			184.00
Vendor 03048 - Plan B Professional Answering Sewrvice Total:					184.00
Vendor: 03063 - Purdue University					
07/11/2019	53575	Job #18-F1 - Labor & Equipment			9,999.11
Vendor 03063 - Purdue University Total:					9,999.11
Vendor: 02057 - Riebes Auto Parts					
07/11/2019	53576	Equipment Repairs			322.77
07/11/2019	53576	Equipment Repairs			10.96
07/11/2019	53576	Equipment Repairs			22.50
07/18/2019	53611	Equipment Repairs - TP			14.19
Vendor 02057 - Riebes Auto Parts Total:					370.42
Vendor: 02185 - Roberts & Brune Company					
07/18/2019	53612	Small Hand Tools			90.85
07/18/2019	53612	Small Hand Tools			181.70
07/18/2019	53612	Job #18- F1 - Construction & Maint. Supplies			206.31
07/18/2019	53612	Job #18- F1 - Construction & Maint. Supplies			95.90
Vendor 02185 - Roberts & Brune Company Total:					574.76
Vendor: 03069 - Rush Personnel Services, Inc.					
07/02/2019	53558	Salaries - Direct			894.00
07/11/2019	53577	Salaries - Direct			655.60
07/18/2019	53613	Salaries - Direct			1,525.76
07/25/2019	53641	Salaries - Direct			1,647.94
Vendor 03069 - Rush Personnel Services, Inc. Total:					4,723.30
Vendor: 03061 - Sterling Health Services, Inc DBA					
07/12/2019	DFT0003357	HSA Contribution			553.76
07/26/2019	DFT0003370	HSA Contribution			553.76
Vendor 03061 - Sterling Health Services, Inc DBA Total:					1,107.52
Vendor: 02362 - Thomas Ace Hardware					
07/11/2019	53578	Small Hand Tools			15.86
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			19.82
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			7.19
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			12.85
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			122.93
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			43.58
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			16.33
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			20.15

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Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			1.81
07/11/2019	53578	Small Hand Tools			245.34
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			10.88
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			18.27
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			746.29
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			149.49
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			20.57
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			4,177.63
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			21.70
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			35.60
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			98.31
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			201.49
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			1,309.16
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			100.37
07/11/2019	53578	Small Hand Tools			52.02
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			133.66
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			25.04
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			309.79
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			94.93
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			23.26
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			98.89
07/11/2019	53578	Small Hand Tools			35.07
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			2.58
07/11/2019	53578	Small Hand Tools			55.32
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			24.18
07/11/2019	53578	Job #18-F1 - Construction & Maint. Supplies			0.42
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			28.53
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			56.18
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			1,234.47
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			52.93
07/18/2019	53614	Construction & Maint. Supplies			11.94
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			713.38
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			17.22
07/18/2019	53614	Construction & Maint. Supplies - TP			7.56

Expense Approval Report

Payment Dates: 07/01/2019 - 07/31/2019

Payment Date	Payment Number	Description (Item)	(None)	(None)	Amount
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			296.19
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			24.53
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			236.13
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			137.34
07/18/2019	53614	Small Hand Tools			26.27
07/18/2019	53614	Misc Supplies - TP			2.56
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			26.05
07/18/2019	53614	Job #18- F1 - Construction & Maint. Supplies			253.88
07/18/2019	53614	Small Hand Tools			113.00
07/18/2019	53614	Small hand Tools			34.98
Vendor 02362 - Thomas Ace Hardware Total:					11,523.92
Vendor: 02964 - T-Mobile					
07/11/2019	53581	Fireflies - CS			1,139.12
Vendor 02964 - T-Mobile Total:					1,139.12
Vendor: 02394 - Tyler Technologies, Inc.					
07/11/2019	53582	Maintenance			326.93
07/11/2019	53582	Training - Office			399.00
07/11/2019	53582	Training - Office			137.50
07/11/2019	53582	Training - Office			137.50
07/11/2019	53582	Training - Office			275.00
07/11/2019	53582	Training - Office			137.50
07/18/2019	53616	Training - Office			137.50
07/18/2019	53616	Transaction Fee			2,097.90
Vendor 02394 - Tyler Technologies, Inc. Total:					3,648.83
Vendor: 02699 - Valley-Wide Fasteners					
07/18/2019	53617	Job #18- F1 - Construction & Maint. Supplies			59.12
Vendor 02699 - Valley-Wide Fasteners Total:					59.12
Vendor: 02703 - Verizon Wireless					
07/11/2019	53583	Mobile Phones			1,626.98
Vendor 02703 - Verizon Wireless Total:					1,626.98
Vendor: 03002 - Water Works Engineers					
07/18/2019	53618	Job #18-F1 - Disaster & Recovery			134,779.68
07/22/2019	53635	Job #17-02 - B Res Replacement Project			12,618.24
07/22/2019	53635	Job #17-02 - B Res Replacement Project			21,615.12
Vendor 03002 - Water Works Engineers Total:					169,013.04
Vendor: 02787 - Zee Service Company					
07/18/2019	53619	Safety Supplies - Shop			47.00
Vendor 02787 - Zee Service Company Total:					47.00
Grand Total:					721,641.17

Report Summary**Fund Summary**

Fund	Payment Amount
01 - GENERAL FUND	721,641.17
Grand Total:	721,641.17

Account Summary

Account Number	Account Name	Payment Amount
01-10-610012	D Tank Well SFM 98 19841	24.57
01-10-630046	Reservoir Surveillance	11,391.25
01-122040	Pre-Paid Insurance - Medi...	14,000.80
01-15-610013	Picnic Area ZFM 60 54601...	62.98
01-15-630029	Garbage	97.33
01-210020	Federal Withholding	29,881.28
01-210030	FICA	32,638.82
01-210042	Loan - Retirement	1,595.74
01-210045	Retirement	29,839.84
01-210050	State Disability	2,148.99
01-210060	State Withholding	11,530.91
01-210065	Union Dues	1,567.81
01-30-601099	Miscellaneous Supplies	61.63
01-30-610033	T. Plant SFM 10-37162	8,453.50
01-30-621000	Equipment-Repairs	566.99
01-30-623000	Structure Repairs	34,233.36
01-30-630035	Garbage	42.83
01-30-630060	Uniforms	245.07
01-40-601014	Welding Supplies	532.55
01-40-601020	Janitorial Supplies	377.21
01-40-601030	Office Supplies	355.43
01-40-601040	Safety Supplies	47.00
01-40-601050	Small Hand Tools	4,358.96
01-40-601060	Construction & Maint. Su...	2,497.01
01-40-610041	Moore Rd Pump QFM 37-...	3,562.61
01-40-611013	Cell Phones	1,626.98
01-40-611014	521-4982 Stand-by	38.80
01-40-620000	Vehicles/Equipment-Gas/...	5,524.33
01-40-621000	Equipment-Repairs	1,276.69
01-40-630035	Garbage	154.43
01-40-630060	Uniforms	1,434.23
01-40-699010	Bldg & Grounds Maint. Ex...	30.00
01-50-630099	Miscellaneous Services	326.93
01-50-699000	Miscellaneous	1,139.12
01-60-500000	Salaries - Direct	4,723.30
01-60-601020	Janitorial Supplies	62.92
01-60-601030	Office Supplies	367.44
01-60-601050	Small Hand Tools	245.34
01-60-610061	Office BFM 04-52601	3,228.57
01-60-610062	Office BFM 04-52651	88.22
01-60-611064	872-9706 Modem	600.11
01-60-630005	Janitorial Services	702.00
01-60-630025	Office Equipment Mainte...	404.12
01-60-630035	Garbage	54.82
01-60-630037	Internet Services	851.43
01-60-635030	Legal	11,859.76
01-60-635099	Miscellaneous Prof. Servi...	100.00
01-60-650050	Dues	8,942.16
01-60-665000	Postage	6,377.44
01-60-675040	Training	1,224.00
01-60-699031	Bank Charges.	2,097.90
01-70-601099	Miscellaneous Supplies	478,045.66

Account Summary

Account Number	Account Name	Payment Amount
01-70-601099	Miscellaneous Supplies	
	Grand Total:	<hr/> 721,641.17

Project Account Summary

Project Account Key	Payment Amount
None	<hr/> 721,641.17
Grand Total:	<hr/> 721,641.17

DOCUMENTS FOR THE CONSTRUCTION OF
PARADISE IRRIGATION DISTRICT
SERVICE LATERAL REPLACEMENT PROJECT
JOB NUMBER 18-F2
BID SCHEDULE NUMBER XX-XXX

VOLUME 1
TECHNICAL SPECIFICATIONS
(DIVISIONS 00-15)

AUGUST 2019

DRAFT DOCUMENTS

ENGINEER:
SAMI KADER



WATER WORKS ENGINEERS, LLC.

CONTACT:

(530) 243-2113 X 311

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SECTION 00080

ADVERTISEMENT FOR BIDS

Sealed Bids for construction services for the Service Lateral Replacement Project addressed to Paradise Irrigation District, 6332 Clark Road, Paradise, CA 95969 will be received until 2:00 p.m., local time, on Thursday, September 26, 2019. Any Bids received after the specified time will not be considered. Bids will then be publicly opened and read at 6332 Clark Road.

This is a public works project. The Project contemplated consists of the replacement of an estimated 250 service laterals throughout the Paradise Irrigation District (PID) service area.

The ENGINEER's estimate for this project is \$1,145,000.

The Work shall be completed in all respects within 100 calendar days from the date when the Contract Time commences to run. Refer to Section 01130, Special Project Constraints in the Technical Specifications for project milestones.

A pre-bid conference is scheduled between ENGINEER, PARADISE IRRIGATION DISTRICT and interested bidders on Wednesday, September 18, 2019 at 10:00 am. Interested bidders should meet at the Paradise Irrigation District Office, located at 6332 Clark Rd, Paradise CA 95969, in the PID Board Room at which time the project will be reviewed. All interested bidders are strongly encouraged to attend.

The Work under these Bidding Documents is to be paid for with a combination of local, State and Federal funds. The general Federal prevailing rate of per diem wages, holidays, and overtime work for each craft, classification, or type of workmen needed to execute the contract are established by the Secretary of Labor in accordance with the Davis-Bacon Act and can be found online at <http://www.gpo.gov/davisbacon/>. The general State prevailing rate of per diem wages, holidays, and overtime work for each craft, classification, or type of workmen needed to execute the contract are established by the State of California, Department of Industrial Relations and can be found online at <http://www.dir.ca.gov/DLSR/PWD/>. If there is a difference between the minimum wage rate determined by the Secretary of Labor and the prevailing wage determined by the State of California for similar classifications of labor, the higher wage rate shall prevail. Contractors shall not pay wages less often than once per week. The successful Bidder agrees upon execution of this Agreement to post a copy of both sets of wage rates at the project site.

The following plan room services have received sets of Bidding Documents for the Work contemplated herein:

Humboldt Builders Exchange, Eureka, CA.
North Coast Builders Exchange, Santa Rosa, CA.
Sacramento Builders Exchange, Sacramento, CA.
Redding Builders Exchange, Redding, CA.
North Valley Builders Exchange, Chico, CA.

00080-1

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Service Lateral Replacement Project
18-F2

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Bidding Documents may be examined through the building exchanges listed above, in PARADISE IRRIGATION DISTRICT's office, 6332 Clark Road, Paradise, CA 95969, or at ENGINEER's office, Water Works Engineers, 760 Cypress Ave, Suite 201, Redding, CA 96001 (530-243-2113 Ext. 318, Contact Colleen Boak). In order to bid the work, interested bidders must purchase Bidding Documents from the ENGINEER's office at a cost of \$100 for each set of documents. Bid documents include one volume of Specifications and Standard Details.

Each Bid must be submitted on the prescribed Bid Form and accompanied by Bid security as prescribed in the Instructions to Bidders, payable to the PARADISE IRRIGATION DISTRICT in an amount not less than 10 percent of the amount Bid.

The Successful Bidder will be required to furnish the additional Bond(s) prescribed in the Bidding Documents.

In order to Bid and perform public work, the Bidder and Subcontractors shall hold or obtain such licenses as required by State Statutes, Federal and Local laws and regulations. **Bids will be accepted only from Bidders holding a California Contractors' License, Class A. Responsive bidders must be both licensed and registered.** Bidders must include the completed registration form in their bid.

For information concerning the proposed Work, contact Colleen Boak, Water Works Engineers, 760 Cypress Ave, Suite 201, Redding, CA 96001; phone: (530) 243-2113 ext 318; email: colleenb@wwengineers.com

PARADISE IRRIGATION DISTRICT's right is reserved to reject all Bids or any Bid not conforming to the intent and purpose of the Bidding Documents.

Dated this _____ day of _____, 2019.

Paradise Irrigation District

By _____
Kevin Phillips, District Manager

++ END OF SECTION ++

00080-2

SECTION 00100

INSTRUCTIONS TO BIDDERS

PART 1 - DEFINED TERMS

Terms used in these Instructions to Bidders have the meanings assigned to them in the General Conditions.

Certain additional terms used in the Bidding Documents have the meanings indicated below which are applicable to both the singular and plural thereof.

1.1 Bidder—one who submits a Bid to OWNER as distinct from a subbidder, who submits a Bid to a Bidder.

1.2 Apparent Low Bidder—that Bidder whose Bids as offered in the Bid Form represents the lowest total as determined by the Base Bid.

1.3 Base Bid:

1.3.1 Base Bid—Includes Bid for all Lump Sum and Unit Price Work.

1.4 Successful Bidder—lowest, responsible and responsive Bidder to whom OWNER (on the basis of OWNER's evaluation as hereinafter provided) makes an award.

PART 2 - BIDDING DOCUMENTS

2.1 Complete sets of Bidding Documents must be used in preparing Bids. Neither OWNER nor ENGINEER assume any responsibility for errors or misinterpretations resulting from use of incomplete sets of Bidding Documents.

2.3 Bidding Documents made available on the above terms are only for the purpose of obtaining Bids for the Work and shall not be used for any other purpose.

00100-1

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PART 3 - QUALIFICATIONS OF BIDDERS

3.1 To demonstrate qualifications to perform the Work, each Bidder must be prepared to submit within 5 days after Bid opening and upon OWNER's written request evidence, such as financial data, previous experience, present commitments, and other such data as may be called for below. Each Bid must contain evidence of Bidder's qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to contract award.

3.2 Nothing indicated herein will prejudice OWNER's right to seek additional pertinent information as is provided in Article AWARD OF CONTRACT.

PART 4 - LICENSE REQUIREMENTS

4.1 The classification of Contractor's License a Bidder must hold to be eligible for an award of a contract for the Work is listed in the Advertisement for Bids.

PART 5 - EXAMINATION OF CONTRACT DOCUMENTS AND SITE

5.1 It is each Bidder's responsibility, before submitting a Bid, to:

5.1.1 Examine thoroughly the Bidding Documents and other related data identified in the Bidding Documents (including "technical data" referred to below).

5.1.2 Inspect the site to become familiar with and satisfy Bidder as to the general, local, and site conditions that may affect cost, progress, performance, or furnishing of the Work.

5.1.3 Consider federal, state, and local Laws and Regulations that may affect cost, progress, performance, or furnishing of the Work.

5.1.4 Study and carefully correlate Bidder's knowledge and observations with the Bidding Documents and such other related data.

5.1.5 Promptly notify ENGINEER of all conflicts, errors, ambiguities, or discrepancies which Bidder has discovered in or between the Bidding Documents and such other related documents.

5.2 Reference is made to the Supplementary Conditions for identification of:

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5.2.1 Those reports, if any, of explorations and tests of subsurface conditions at the site which have been utilized by ENGINEER in preparation of the Bidding Documents.

5.2.2 Those drawings, if any, of physical conditions in or relating to existing surface and subsurface structures (except Underground Facilities) which are at or contiguous to the site which have been utilized by ENGINEER in preparation of the Bidding Documents.

Copies of such reports and drawings that are not included with the Bidding Documents may be examined at the office of OWNER or ENGINEER during regular business hours.

5.3 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders on subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Contract Documents due to differing or unanticipated conditions appear in paragraphs 4.02 and 4.03 of the General Conditions.

5.4 Before submitting a Bid, each Bidder will be responsible to make or obtain such additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the site or otherwise and which may affect cost, progress, performance, or furnishings of the Work and which Bidder deems necessary to determine its Bid.

5.5 On request, OWNER will provide each Bidder access to the site to conduct such examinations, investigations, explorations, tests, and studies as each Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the site to its former condition upon completion of such explorations, investigations, tests, and studies.

5.6 Reference is made to the General Requirements for identification of the general nature of work that is to be performed at the site by OWNER or others and that relates to Work for which a Bid is to be submitted. On request, OWNER will provide to each Bidder, for examination, access to or copies of contract documents (other than portions thereof related to price) for such work by others.

5.7 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this article; that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying the specific means, methods, techniques, sequences, or procedures of construction (if any) that may be shown or indicated or expressly required by the Bidding Documents; that Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder; and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work and for preparing the Bid.

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PART 6 - INTERPRETATIONS AND ADDENDA

6.1 All questions about the meaning or intent of the Bidding Documents are to be directed to ENGINEER in writing. Interpretations or clarifications considered necessary by ENGINEER in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by the office issuing documents as having received the Bidding Documents. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

6.2 Addenda may also be issued to modify the Bidding Documents as deemed advisable by OWNER or ENGINEER.

PART 7 - BID SECURITY

7.1 Each Bid must be accompanied by Bid security made payable to OWNER in an amount of 10 percent of Bidder's maximum Bid price and in the form of a certified or cashier check or a Bid Bond on form attached, issued by a surety meeting the requirements of paragraph 5.01 and 5.02 of the General Conditions.

7.2 The Bid security of Successful Bidder will be retained until such Bidder has executed the Agreement, furnished the required Performance and Payment Bond(s), certificates of insurance, and met the other conditions of the Bidding Documents. If the Successful Bidder fails to sign and deliver the Agreement and furnish the required Bond(s) and certificates of insurance within the time period specified in Article EXECUTION OF AGREEMENT, OWNER may annul the award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the earlier of the 10th day after the execution of the Agreement by the Successful Bidder or the rejection of all Bids by OWNER. Bid security submitted with Bids which are not competitive will be returned within 15 days after the Bid opening.

PART 8 - CONTRACT TIMES

8.1 Contract Times are set forth in the Agreement.

PART 9 - LIQUIDATED DAMAGES

9.1 Provisions for liquidated damages are set forth in the Agreement.

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PART 10 - SUBSTITUTE AND "OR EQUAL" ITEMS

10.1 The contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used if acceptable to ENGINEER, application for such acceptance will not be considered by ENGINEER until after the Effective Date of the Agreement. The procedure for submission of any such application and consideration by ENGINEER is set forth in General Conditions paragraph 6.05 and may be supplemented in Section 01610, GENERAL EQUIPMENT REQUIREMENTS.

PART 11 - SUBCONTRACTORS, SUPPLIERS, AND OTHERS

11.1 Bidder shall submit with its Bid the names and business addresses of each proposed Subcontractor who will perform Work under these Bidding Documents in excess of 1/2 of 1 percent of the amount of the total Bid, and shall list the portion of the Work (discipline and subcontract dollar amount) which will be done by such Subcontractor. If the Bidder fails to specify a Subcontractor for any portion of the Work to be performed under the Bidding Documents, the Bidder agrees to perform that portion of the Work itself, and further agrees that it is qualified to perform that portion of the Work.

11.2 Subcontractors, business addresses, and the portion of work each subcontractor will perform shall be listed in the table provided in Section 00310, List of Subcontractors, which shall be submitted with each Bid. Failure to submit this List of Subcontractors will be grounds for rejection of the Bid.

PART 12 - MBE/WBE UTILIZATION AND DOCUMENTATION REQUIREMENTS

12.1 Bidders, including prospective Subcontractors, are required to follow certain procedures to ensure compliance with the affirmative action requirements set forth in these Bidding Documents and are hereby advised to familiarize themselves with the requirements and to initiate the compliance procedures at the earliest time possible. State and federal regulations require that certain notices be given and procedures be completed within specific minimum periods of time; compliance with the affirmative action requirements might not be achievable if there is any delay in starting the compliance procedures.

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PART 13 - WAGE RATES

13.1 The Work under these Bidding Documents is to be paid for with a variety of State and Federal funds. Therefore, both State and Federal prevailing wage rates are applicable. Where a conflict occurs between the State and Federal prevailing wage rates for any job description, the higher rate shall be used.

13.2 Federal prevailing wage rates information is available at <http://www.wdol.gov/dba.aspx>. The successful Bidder agrees upon execution of this Agreement to post a copy at the site.

13.3 State of California prevailing wage rates information is available at <http://www.dir.ca.gov/OPRL/PWD/>. The successful Bidder agrees upon execution of this Agreement to post a copy at the site.

PART 14 - BID FORM

14.1 The Bid Form and other attachments are included with the Bidding Documents. No substitution of forms will be allowed.

14.2 All blanks on the Bid Form must be completed by typing or printing with black ink. All price information shall be shown in both words and figures where required. No changes shall be made in the phraseology of the forms.

14.3 Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate officer accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation must be shown above the signature.

14.4 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear on the line below the signature.

14.5 All names must be typed or printed on the line with the signature.

14.6 The Bid shall contain an acknowledgement of receipt of all Addenda (the numbers of which must be filled in on the Bid Form).

14.7 The address and telephone number for communications regarding the Bid must be shown.

PART 15 - SUBMISSION OF BIDS

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15.1 Bidders must bid on all schedules for their Bid to be considered responsive.

15.2 Bid Form and attachments may be photocopied for submission of Bids.

15.3 Submit Bids not later than the time prescribed, at the place, and in the manner set forth in the Advertisement for Bids. Enclose Bids in an opaque sealed envelope, marked with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted) and name and address of Bidder and accompanied by the Bid security and other required documents. If the Bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "BID ENCLOSED" on the face of it. Bids must be made on the prescribed Bid Form provided and submitted with the attachments listed below.

15.4 Bidders shall complete and submit the following attachments with its Bid:

- Certification of Non-segregated Facilities
- Disadvantaged Business Enterprises Information Form
- Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- Nondiscrimination Clause Certification Form
- Non-Collusion Affidavit
- Equal Employment Opportunity Notice
- Equal Employment Opportunity Certification
- Lobbying Certification
- Drug Free Workplace Certification

15.5 Only one Bid from any individual, firm, partnership, or corporation, under the same or different names, will be considered. Should it appear to OWNER that any Bidder is interested in more than one Bid for Work contemplated, all Bids in which such Bidder is interested will be rejected.

15.6 Bidders shall complete and submit the following attachments to OWNER within 5 working days following bid opening. Bids will be evaluated after this date.

- MBE/WBE Verification of Qualification Form

PART 16 - MODIFICATION AND WITHDRAWAL OF BIDS

16.1 Bids may be modified or withdrawn by an appropriate document duly executed (in the same manner that a Bid must be executed) and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

16.2 If, within 24 hours after Bids are opened, any Bidder files a duly signed, written notice with OWNER and promptly thereafter demonstrates to the reasonable satisfaction of OWNER that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid and the Bid security will be returned. Thereafter, that Bidder will be disqualified from further consideration on the Work to be provided under the Contract Documents.

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PART 17 - OPENING OF BIDS

17.1 Bids will be opened and (unless obviously nonresponsive) read aloud publicly. A summary of the amounts of the Base Bids will be made available to Bidders within 7 days after the date of Bid opening.

PART 18 - BIDS TO REMAIN SUBJECT TO ACCEPTANCE

18.1 All Bids will remain subject to acceptance for 90 days after the date of the Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

PART 19 - BASIS OF AWARD; AWARD OF CONTRACT

19.1 If the contract is to be awarded, OWNER will give Successful Bidder a Notice of Award within 90 days after the day of the Bid opening.

19.2 OWNER reserves its right to reject any or all Bids, including without limitation the rights to reject any or all nonconforming, nonresponsive, unbalanced or conditional Bids, and to reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by OWNER. OWNER also reserves the right to waive all informalities not involving price, time, or changes in the Work. Discrepancies in the quantity multiplied by unit price and the extended total amount will be resolved in favor of the quantity multiplied by unit price. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

19.3 In evaluating Bids, OWNER will consider the qualifications of Bidders, whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid Form or prior to the Notice of Award. OWNER shall have the right to accept alternates in any order or combination unless otherwise provided in the Bidding Documents.

19.4 OWNER may consider the qualifications and experience of Subcontractors, Suppliers, and other persons and organizations proposed for those portions of the Work for which the identity was required. OWNER also may consider the operating costs, maintenance requirements, performance data, and guarantees of major items of materials and equipment proposed for incorporation in the Work when such data are required to be submitted prior to the Notice of Award.

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19.5 OWNER may conduct such investigations as OWNER deems necessary to assist in Bid evaluation and to establish responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, and other persons and organizations to execute Work in accordance with the Bidding Documents to OWNER's satisfaction within the prescribed time.

19.6 If, at the time this contract is to be awarded, the total of the lowest acceptable Bid exceeds the funds then estimated by OWNER as available, OWNER may reject all Bids or take such other action as best serves OWNER's interests.

19.7 If the contract is to be awarded, it will be awarded to lowest Bidder whose evaluation by OWNER indicates to OWNER that the award will be in the best interests of OWNER.

19.8 OWNER may select the lowest Bidder based on the total Base Bid for Schedule A, Schedule B, Schedule C, and Schedule D. A single contract shall be awarded by the Owner. Bidders must bid on all schedules for their Bid to be considered responsive.

19.9 In the event of failure of the Successful Bidder to sign the Agreement and provide an acceptable Performance and Payment Bond(s), insurance certificate(s), and other required documents, OWNER may award the contract to the next lowest responsive, responsible Bidder.

PART 20 - EXECUTION OF AGREEMENT

20.1 When OWNER gives a Notice of Award to Successful Bidder, it will be accompanied by unsigned copies of the Agreement and other appropriate documents. Within 15 days thereafter, CONTRACTOR shall sign and deliver the copies of the Agreement and attached documents to OWNER with the required Bonds. Within 10 days thereafter, OWNER shall deliver two fully executed copies to CONTRACTOR.

PART 21 - RETAINAGE

21.1 Provisions concerning retainage and CONTRACTORS' rights to deposit securities in lieu of retainage are set forth in the Agreement.

PART 22 - SALES AND OTHER TAXES

22.1 All taxes, as required by the laws and statutes of the state and its political subdivisions, shall be paid by CONTRACTOR. Prices quoted in the Bid Form shall include all taxes.

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PART 23 - PROTESTS

23.1 Any party with a direct financial interest adversely affected by any alleged bid irregularity at the Bid opening may file a protest with OWNER, where such protest is based on alleged violations of federal, state, or local law or ordinance, or alleged bid irregularity. A protest must:

23.1.1 be written

23.1.2 state the specific basis of the appeal.

23.1.3 request a determination of the protest issue, and

23.1.4 be filed no later than 72 hours before the scheduled Award of Contract by OWNER, as determined by the published agenda of the OWNER'S Board of Directors. Any protest filed after this time will not be considered.

23.2 The party filing the protest must concurrently transmit a copy of all protest documents and any attachments to all other parties with a direct financial interest which may be adversely affected by the determination of the protest appeal.

23.3 OWNER will review the protest and make a determination.

+ + END OF SECTION + +

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SECTION 00120

BIDDER'S CHECKLIST

This checklist has been prepared and furnished to aid Bidders in including all necessary supporting information with their bid. Bidders' submittals shall include, but are not limited to, the following:

<u>Item</u>	<u>Checked</u>
A. Bid Form	_____
B. PWC-100 Contractor DIR Registration Verification Data Form	_____
C. Bid Bond	_____
D. Power-of-Attorney for Surety's Agent to execute Bidder's Bond	_____
E. Authority to Sign Proposal if Signature is by Agent Other Than Officer of Corporation, Partner, or Owner	_____
F. Addenda Acknowledged	_____
G. List of Subcontractors	_____
H. Contractor's License Number and Class Provided	_____
I. Confirmed Bond and Insurance Companies Ratings are in accordance with Supplemental Conditions, Par. SC-5.02.A.	_____

+ + END OF SECTION + +

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NOTE TO BIDDER: Use typewriter or BLACK ink for completing this Bid Form.

SECTION 00300

BID FORM

To: Paradise Irrigation District

Address: 6332 Clark Road,
Paradise, CA 95969

Project Identification: Service Lateral Replacement Project

1. BIDDER'S DECLARATION AND UNDERSTANDING.

1.1 This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm, or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

1.2 In submitting this Bid, Bidder acknowledges and accepts CONTRACTOR's representations as more fully set forth in the Agreement Form.

1.3 In submitting this Bid, Bidder certifies Bidder is qualified to do business in the state where the Project is located as required by laws, rules, and regulations or, if allowed by statute, covenants to obtain such qualification prior to contract award.

2. CONTRACT EXECUTION AND BONDS.

2.1 The undersigned Bidder agrees, if this Bid is accepted, to enter into an Agreement with OWNER on the form included in the Bidding Documents to perform and furnish Work as specified or indicated in the Bidding Documents for the Contract Price derived from the Bid and within the Contract Times indicated in the Agreement and in accordance with the other terms and conditions of the Bidding Documents.

2.2 Bidder accepts the terms and conditions of the Bidding Documents.

3. INSURANCE.

3.1 Bidder further agrees that the Bid amount(s) stated herein includes specific consideration for the specified insurance coverages.

4. CONTRACT TIMES.

4.1 Bidder agrees to accept Contract Times set forth in the Agreement Form.

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5. LIQUIDATED DAMAGES.

5.1 Bidder accepts the provisions in the Agreement Form as to liquidated damages.

6. ADDENDA.

Bidder hereby acknowledges that it has received Addenda Nos. _____, _____, _____, _____, _____ (Bidder shall insert number of each Addendum received) and agrees that Addenda issued are hereby made part of the Bidding Documents, and Bidder further agrees that this Bid includes impacts resulting from said Addenda.

7. SUBCONTRACTORS.

7.1 Bidder agrees to submit with their Bid a listing of all subcontracting firms or businesses that will be awarded subcontracts for portions of the Work which equal or exceed one-half of one percent of the Total Contract Price.

8. SALES AND USE TAXES.

8.1 The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated Bid prices for the Work.

9. BASE BID

9.1 Unit Price Work – Schedule A

9.1.1 Bidder proposes to accept full payment for the Unit Price Work proposed herein the amount computed under the provisions of the Bidding Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. Bidder agrees that the unit prices represent a true measure of the labor, materials, and services required to furnish and install the item, including all allowances for overhead and profit for each type and unit of Work called for in these Bidding Documents.

9.2 Bidder agrees to accept as full payment for the proposed Work within the Bidding Documents, based upon the undersigned's own estimate of quantities and costs and including sales, consumer, use, and other taxes, and overhead and profit, the lump sum of:

(words)

(figures)

_____ \$ _____

_____ Dollars

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Schedule A					
Item No.		Description	Quantity and Unit	Unit Price	Extended Total Amount
1.		Mobilization and Demobilization from a Project Site Location	350 EA	\$	\$
Item 1 Subtotal					\$
Item No.		Description	Quantity and Unit	Unit Price	Extended Total Amount
2.		Excavation of Corp Stop at a Project Site Location	350 EA	\$	\$
Item 2 Subtotal					\$
Item No.		Description	Quantity and Unit	Unit Price	Extended Total Amount
3.		Shoring Required	75 EA	\$	\$
Item 3 Subtotal					\$
Item No.		Description	Quantity and Unit	Unit Price	Extended Total Amount
4.		Furnish and Install Replacement Service Laterals (up to 250 sites) (assume an average buried depth of 5 ft and an average length of 35 ft)			
	4a.	High-density Polyethylene (HDPE)			
		1. 1"	8,100 LF	\$	\$
		2. 1.5"	1,550 LF	\$	\$
		3. 2"	500 LF	\$	\$
Item 3 Subtotal					\$
Item No.		Description	Quantity and Unit	Unit Price	Extended Total Amount
5.		Furnish and Install Hot Tap Saddle Connections (up to 150 locations)			
	5a.	4" Water Main			
		1. 1" Service Lateral	24 EA	\$	\$

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		2. 1.5" Service Lateral	5 EA	\$	\$
		3. 2" Service Lateral	2 EA	\$	\$
	5b.	6" Water Main			
		1. 1" Service Lateral	40 EA	\$	\$
		2. 1.5" Service Lateral	8 EA	\$	\$
		3. 2" Service Lateral	3 EA	\$	\$
	5c.	8" Water Main			
		1. 1" Service Lateral	20 EA	\$	\$
		2. 1.5" Service Lateral	5 EA	\$	\$
		3. 2" Service Lateral	2 EA	\$	\$
	5d.	10" Water Main			
		1. 1" Service Lateral	3 EA	\$	\$
		2. 1.5" Service Lateral	2 EA	\$	\$
		3. 2" Service Lateral	2 EA	\$	\$
	5e.	12" Water Main			
		1. 1" Service Lateral	15 EA	\$	\$
		2. 1.5" Service Lateral	5 EA	\$	\$
		3. 2" Service Lateral	2 EA	\$	\$
	5f.	14" Water Main			
		1. 1" Service Lateral	2 EA	\$	\$
		2. 1.5" Service Lateral	1 EA	\$	\$
		3. 2" Service Lateral	1 EA	\$	\$
	5g.	16" Water Main			
		1. 1" Service Lateral	6 EA	\$	\$
		2. 1.5" Service Lateral	2 EA	\$	\$
		3. 2" Service Lateral	2 EA	\$	\$
Item 5 Subtotal					\$
Total (Combine Items 1-5)				\$	

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All other associated items of work and incidentals that are required to complete this project and provide a fully functioning facility in accordance with the contract documents are considered to be included in the Bid Schedule items and no additional compensation will be made by the District.

10. SURETY.

10.1 If Bidder is awarded a construction contract from this Bid, the surety who provides the Performance and Payment Bond(s) shall be:

Whose address is

Street

City

State

Zip

11. LICENSE.

11.1 Class _____, California Contractor License No.: _____.

12. BIDDER.

An Individual

By _____

(Individual's name and signature)

A Partnership

By _____

(Partnership name)

(Name and signature of general partner)

(Title)

A Corporation

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By _____

(Corporation name)

(State of incorporation)

By _____

(Name and signature of person authorized to sign)

(Title)

(Corporate Seal)

A Joint Venture

By _____

(Business name)

(Name and signature of person authorized to sign)

By _____

(Business name)

(Name and signature of person authorized to sign)

(Each joint venturer must sign. The manner of signing each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Name, Phone Number, and Address for receipt of official communications and for additional information on this Bid:

SUBMITTED ON _____, 2019.

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+ + END OF SECTION + +

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SECTION 00310

LIST OF SUBCONTRACTORS

PART 1 - GENERAL

1.1 GENERAL

- A. In accordance with the provisions of Section 4100 et seq. of the Public Contract Code of the State of California, each bidder shall list below the name and location of place of business of each subcontractor who will perform a portion of the contract work in an amount in excess of one-half of one percent of the total contract price. In each such instance, the nature (discipline) and extent (subcontract dollar amount) of the work to be sublet shall be listed in the table below:

		Portion of Work	
Subcontractor Name	Business Address	Discipline	Amount (\$)

SECTION 00400

BID BOND

BOND NO. _____

KNOW ALL MEN BY THESE PRESENTS, that _____

hereinafter called the PRINCIPAL, and _____

a corporation duly organized under the laws of the State of _____

having its principal place of business at _____

_____ in the State of _____

and authorized to do business in the State of California, as SURETY,

are held and firmly bound unto _____,

as OWNER, hereinafter called the OBLIGEE, in the sum of _____

_____ DOLLARS (\$ _____)

for the payment for which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid for _____

_____ said Bid, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if said Proposal shall be rejected, or in the alternate, if said Proposal shall be accepted and the PRINCIPAL shall sign and deliver a Contract to OBLIGEE, in the form of Contract attached hereto and shall execute and deliver Performance and Payment Bonds in the forms attached hereto (all completed in accordance with said Proposal) to OBLIGEE, and shall in all other respects perform the agreement created by the acceptance of said Proposal;

Then, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the SURETY for any and all default of the PRINCIPAL hereunder shall be the amount of this obligation as herein stated.

The SURETY, for value received, hereby stipulates and agrees that the obligations of said SURETY and its bond shall be in no way impaired or affected by any extension of the

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time within which the Owner may accept such Proposal, and said SURETY does hereby waive notice of any such extension.

IN WITNESS THEREOF, the above-bounded parties have executed this instrument under their several seals, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed and sealed this _____ day of _____, 2019.

PRINCIPAL

By _____

SURETY

By _____
Attorney-In-Fact

The rate of premium on this bond is _____ per thousand.

Total amount of premium charged \$ _____.

+ + END OF SECTION + +

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SECTION 00500

AGREEMENT FORM

THIS AGREEMENT is between Paradise Irrigation District, (hereinafter called

OWNER) and _____
_____ (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

1. WORK.

1.1 CONTRACTOR shall complete Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

Service Lateral Replacement

2. ENGINEER.

2.1 Water Works Engineers, LLC is hereinafter called ENGINEER and is to act as OWNER's representative, assume duties and responsibilities, and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

3. CONTRACT TIMES AND LIQUIDATED DAMAGES.

3.1 Contract Times:

3.1.1 CONTRACTOR will achieve Substantial Completion within 180 days from the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and Work will be completed and ready for final payment and acceptance in accordance with paragraph 14.07 of the General Conditions within 200 days from the date when the Contract Times commence to run.

3.2 Liquidated Damages:

3.2.1 OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that OWNER will suffer financial loss if the Work is not completed within the times specified in paragraph Contract Times above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. OWNER and CONTRACTOR also recognize the delays, expense, and difficulties involved in proving in a legal or other dispute resolution proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER Five Thousand dollars (\$5,000) for each day that expires after the time specified in paragraph

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Contract Times above, for Substantial Completion until the Work is substantially complete.

3.2.2 After Substantial Completion, if CONTRACTOR neglects, refuses, or fails to complete the remaining Work within the Contract Times or any proper OWNER-granted extension thereof, CONTRACTOR shall pay OWNER Five Thousand dollars (\$5,000) for each day that expires after the time specified in paragraph Contract Times above for completion and readiness for final payment.

3.2.3 OWNER shall recover such liquidated damages by deducting the amount owed from the final payment or any retainage held by OWNER.

4. CONTRACT PRICE.

4.1 OWNER shall pay CONTRACTOR for completion of the Work and in accordance with the conformed Bid, which is included as an Exhibit to this Agreement, an amount equal to the sum of the amounts determined pursuant to the following:

4.1.1 TOTAL CONTRACT PRICE:

_____ Dollars

(Words)

and _____ Cents \$ _____

(Words)

(Figures)

5. RETAINAGE.

5.1 OWNER shall withhold not more than 5 percent of the contract price until final completion and acceptance of the project. However, at any time after 95 percent of the work has been completed, the OWNER may reduce the funds withheld to an amount not less than 125 percent of the estimated value of the Work yet to be completed, as determined by the OWNER, if the reduction has been approved, in writing, by the surety on the performance bond and by the surety on the payment bond.

5.2 CONTRACTOR may elect to substitute securities of equivalent value in accordance with the requirements and procedures of State law.

6. CONTRACTOR'S REPRESENTATIONS.

6.1 In order to induce OWNER to enter into this Agreement, CONTRACTOR's representations are as set forth as follows:

6.1.1 CONTRACTOR has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, general nature of work to be performed by OWNER or others at the site that relates to Work required by the Contract Documents and local conditions and federal, state, and local

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Laws and Regulations that in any manner may affect cost, progress, performance, or furnishing of Work.

6.1.2 CONTRACTOR has studied carefully reports of explorations and tests of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions, and accepts the determination set forth in paragraph 4.02 of the Supplementary Conditions of the extent of the technical data contained in such reports and drawings upon which CONTRACTOR is entitled to rely. CONTRACTOR acknowledges that such reports and drawings are not Contract Documents.

6.1.3 CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) examinations, investigations, explorations, tests, studies, and reports (in addition to or to supplement those referred to above) which pertain to the conditions (subsurface or physical) at or contiguous to the site or otherwise and which may affect the cost, progress, performance, or furnishing of the Work as CONTRACTOR deems necessary for the performance and furnishing of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.02 of the General Conditions; and no additional or supplementary examinations, investigations, explorations, tests, reports, or similar information or data are or will be required by CONTRACTOR for such purposes.

6.1.4 CONTRACTOR has reviewed and checked information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and has included costs as defined by paragraph 4.04 of the General Conditions.

6.1.5 CONTRACTOR has correlated information known to CONTRACTOR and results of such observations, familiarizations, examinations, investigations, explorations, tests, studies, and reports with Contract Documents.

6.1.6 CONTRACTOR has given ENGINEER written notice of conflicts, errors, ambiguities, or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR, and the Contract Documents are generally sufficient to indicate and convey understanding of terms and conditions for performing and furnishing Work.

7. CONTRACT DOCUMENTS.

7.1 The Contract Documents which comprise the entire Agreement between OWNER and CONTRACTOR concerning Work are defined as follows:

Volume 1: Specifications

Volume 2: Standard Details

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8. WORKERS COMPENSATION INSURANCE.

8.1 By signing this Agreement I, CONTRACTOR, hereby attest that I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Agreement.

9. MISCELLANEOUS.

9.1 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation monies that may become due and monies that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

9.2 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect of all covenants, agreements, and obligations contained in the Contract Documents.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in triplicate. One counterpoint each has been delivered to OWNER, CONTRACTOR, AND ENGINEER. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR.

OWNER _____

CONTRACTOR _____

By _____

By _____

Date _____

Date _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Address for giving notices

Address for giving notices

(If OWNER is a public body, attach evidence of authority to sign and resolution of other documents authorizing execution of Agreement.)

License No. _____

Agent for service of process: _____

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(If CONTRACTOR is a corporation, attach
evidence of authority to sign.)

+ + END OF SECTION + +

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SECTION 00600
PERFORMANCE BOND

BOND NO. _____

AMOUNT: \$ _____

KNOW ALL MEN BY THESE PRESENTS, that _____

of _____

hereinafter called the CONTRACTOR (Principal), and _____

a corporation duly organized and existing under and by virtue of the laws of the State
of _____,

hereinafter called the SURETY, and authorized to transact business within the State of
California, as SURETY, are held and firmly bound unto

as OWNER (Obligee), in the sum of: _____

_____ DOLLARS (\$ _____),

lawful money of the United States of America, for the payment of which, well and truly
be made to the OWNER, the CONTRACTOR and the SURETY bind themselves and each of
their heirs, executors, administrators, successors, and assigns, jointly and severally,
firmly by these presents as follows:

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT:

WHEREAS, the CONTRACTOR has executed and entered into a certain Contract

hereto attached, with the OWNER, dated _____, 20____, for:

NOW, THEREFORE, if the CONTRACTOR shall well and truly perform and fulfill all the
undertakings, covenants, terms, conditions and agreements of said Contract during the
original term of said Contract and any extensions thereof that may be granted by the
OWNER, with or without notice to the SURETY, and during the life of any guarantee
required under the Contract, and shall also well and truly perform and fulfill all the

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undertakings, covenants, terms, conditions and agreements of any and all duly authorized modifications of said Contract that may thereafter be made, then this obligation shall be void, otherwise the same shall remain in full force and virtue.

IN WITNESS WHEREOF, the above parties bounded together have executed this instrument this _____ day of _____, 2019, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

CONTRACTOR

By _____(Seal)

Attest

SURETY

By _____ (Seal)

Attest

APPROVED AS TO FORM: _____, 20__.

_____, OWNER

The rate of premium on this bond is \$ _____ per thousand.

Total amount of premium charged \$ _____

+ + END OF SECTION + +

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SECTION 00605

PAYMENT BOND

BOND NO. _____

AMOUNT: \$ _____

KNOW ALL MEN BY THESE PRESENTS, that _____

of _____

hereinafter called the CONTRACTOR (Principal), and _____

a corporation duly organized and existing under and by virtue of the

laws of the State of _____,

hereinafter called the SURETY, and authorized to transact business

within the State of California, as SURETY, are held and firmly bound unto

as OWNER (Obligee), in the sum of: _____

_____ Dollars (\$ _____),

lawful money of the United States of America, for the payment of which, well and truly

be made to the OWNER, the CONTRACTOR and the SURETY bind themselves and each of

their heirs, executors, administrators, successors, and assigns, jointly and severally,

firmly by these presents as follows:

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH THAT:

WHEREAS, the CONTRACTOR has executed and entered into a certain Contract

hereto attached, with the OWNER, dated _____, for:

That, if said CONTRACTOR, his or its heirs, executors, administrators, successors or

assigns, or subcontractors, shall fail to pay any of the persons named in Civil Code

Section 3181, or amounts due under the Unemployment Insurance Code with respect to

work or labor performed by any such claimant, or for any amounts required to be

deducted, withheld, and paid over to the Franchise Tax Board from the wages of

employees of the CONTRACTOR and his subcontractors pursuant to Section 18806 of the

Revenue and Taxation Code, with respect to such work and labor that the Surety or

Sureties will pay for the same, in an amount not exceeding the sum specified in the

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bond, and also, in case suit is brought upon the bond, a reasonable attorney's fee, to be fixed by the court.

That, this bond shall inure to the benefit of any of the persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Now therefore, if the CONTRACTOR shall promptly make payment to all persons supplying labor and materials in the prosecution of the work provided for in said Contract, and any and all duly authorized modifications of said Contract that may hereinafter be made, except that no change will be made which increases the total Contract amount more than 20 percent in excess of the original Contract amount without notice to the Surety, then this obligation shall be void; otherwise the same shall remain in full force and virtue.

IN WITNESS WHEREOF, the above parties bounded together have executed this

instrument this _____ day of _____, 2019, the name and corporate seal of each corporate party being hereto affixed and those presents duly signed by its undersigned representative, pursuant to authority of its governing body.

CONTRACTOR

By _____ (Seal)

Attest

SURETY

By _____ (Seal)

Attest

APPROVED AS TO FORM: _____, 20__.

_____, OWNER

The rate of premium on this bond is \$_____ per thousand.

Total amount of premium charged \$_____.

+ + END OF SECTION + +

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Service Lateral Replacement Project
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STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly by



AMERICAN COUNCIL OF ENGINEERING COMPANIES

ASSOCIATED GENERAL CONTRACTORS OF AMERICA

AMERICAN SOCIETY OF CIVIL ENGINEERS

PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE

A Practice Division of the

NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

Endorsed by



CONSTRUCTION SPECIFICATIONS INSTITUTE

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor (EJCDC C-520 or C-525, 2007 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the Narrative Guide to the EJCDC Construction Documents (EJCDC C-001, 2007 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (EJCDC C-800, 2007 Edition).



Project No.: 18-L2
 Title: Paradise Irrigation District
 Conceptual Cost Estimate
 Service Lateral Replacement Project

Computed By: Colleen Boak
 Date: August 2019

Description	Qty	Unit	Unit Price	Subtotal	Per Diem Surcharge	Markups	Total	Rounded
Item 1 - Mobilization and Demobilization from a Project Site Location								
Mobilization and Demobilization from a Project Site Location	350	ea	\$500	\$175,000	\$0	\$33,250	\$208,250	\$208,000
Subtotal								\$208,000
Item 2 - Excavation of Corporation Stop at a Project Site Location								
Excavation of a Corporation Stop at a Project Location	350	ea	\$350	\$122,500	\$0	\$23,275	\$145,775	\$146,000
Subtotal								\$146,000
Item 3 - Shoring Required								
Shoring Required for an Excavation	75	ea	\$400	\$30,000	\$0	\$5,700	\$35,700	\$36,000
Subtotal								\$36,000
Item 4 - Furnish and Install Replacement Service Laterals								
1" HDPE Service Lateral	8100	lf	\$55	\$445,500	\$0	\$84,645	\$530,145	\$530,000
1.5" HDPE Service Lateral	1550	lf	\$60	\$93,000	\$0	\$17,670	\$110,670	\$111,000
2" HDPE Service Lateral	500	lf	\$65	\$32,500	\$0	\$6,175	\$38,675	\$39,000
Subtotal								\$680,000
Item 5 - Furnish and Install Hot Tap Saddle Connections								
1"-2" SL, 4" Main	31	ea	\$370	\$11,470	\$0	\$2,179	\$13,649	\$14,000
1"-2" SL, 6" Main	51	ea	\$390	\$19,890	\$0	\$3,779	\$23,669	\$24,000
1"-2" SL, 8" Main	27	ea	\$415	\$11,205	\$0	\$2,129	\$13,334	\$13,000
1"-2" SL, 10" Main	7	ea	\$440	\$3,080	\$0	\$585	\$3,665	\$4,000
1"-2" SL, 12" Main	22	ea	\$475	\$10,450	\$0	\$1,986	\$12,436	\$12,000
1"-2" SL, 14" Main	4	ea	\$510	\$2,040	\$0	\$388	\$2,428	\$2,000
1"-2" SL, 16" Main	10	ea	\$535	\$5,350	\$0	\$1,017	\$6,367	\$6,000
Subtotal								\$75,000
						Project Total		\$1,145,000
Markups	%							
Per Diem Surcharge	0%							
Contractor General, Overhead and Profit	15%							
General Conditions, Bonds, Insurance, and Taxes	4%							

Summary of Probable Costs for Project		
Probable Construction Cost		\$1,145,000
Engineering	0%	\$0
Construction Administration	8%	\$91,600
Construction Contingency	10%	\$114,500
Total Estimated Cost for Service Lateral Replacement		\$1,351,000

Notes:

- Costs assume a local labor force without a Per Diem surcharge



PARADISE IRRIGATION DISTRICT

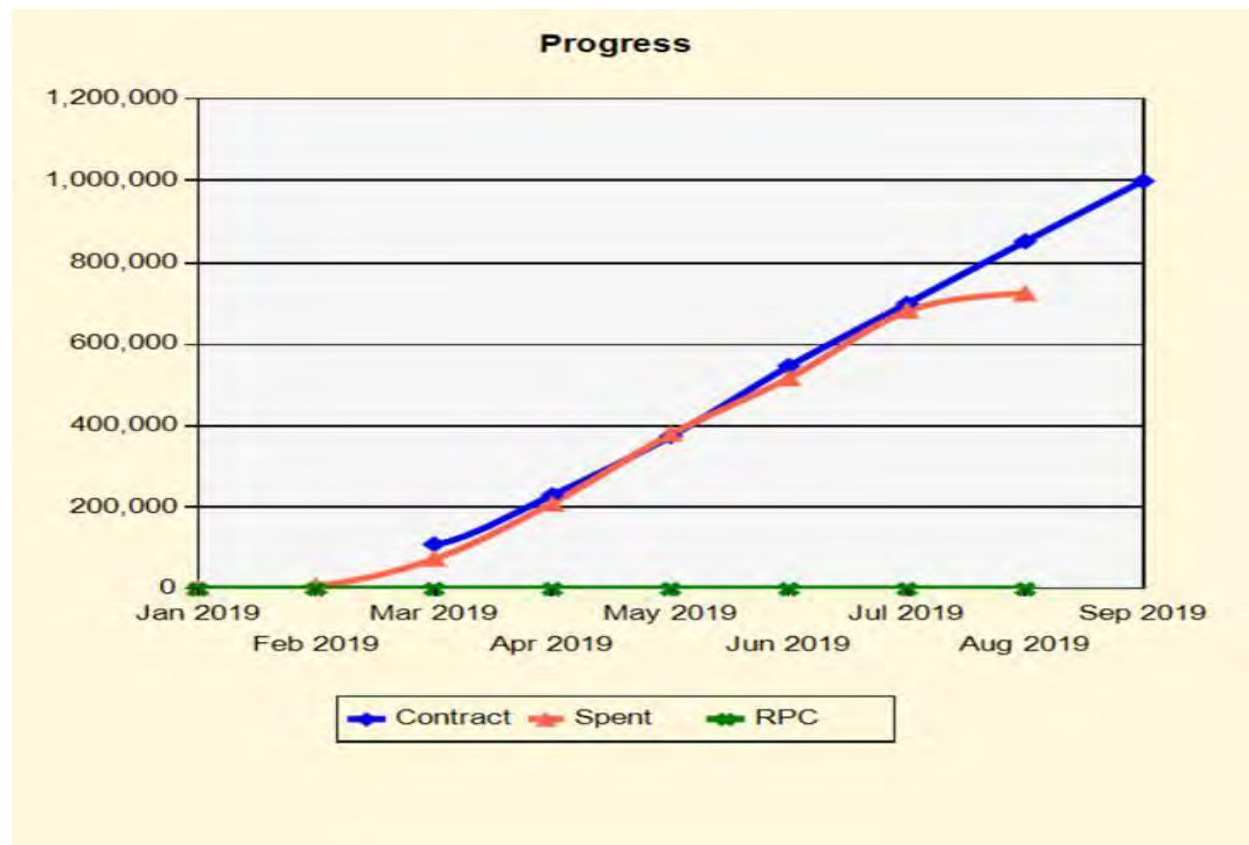
TO: Board of Directors

FROM: Kevin Phillips, District Manager

DATE: 8/16/2019

RE: Disaster Recovery Engineering Services – Contract Change Order 1
08/21/2019 Board of Directors Meeting

Water Works Engineers was contracted on a time and materials contract, not to exceed \$1 million dollars, to perform Recovery Engineering services starting in March of 2019. As discussed in that meeting, the exact definition of those services has changed over time as we have established the protocols and programs by which we are testing and clearing the water system for returning the system to potability, supporting rebuilding efforts, and working through various grant application processes. Water Works Engineers has been central to all of these efforts. At this time, our current spending rate on this contract is approximately \$150,000/month, consistently, for the services which we require from Water Works Engineers (please see billing history below).



At this pace, the not to exceed amount of the contract will be reached at the end of September. It is estimated that the testing and clearing of standing structure service laterals will extend through early 2020, and we will be installing new service lines to support rebuilding using a construction contractor through mid-2020. For these activities, we will require Water Works Engineers support at a similar level. In order to extend the contract at this level of service through April of 2020 it will require an additional \$1M (7 months x \$150k/month). It is the recommendation of Staff that Water Works Engineers agreement be amended to have a not to exceed amount of \$2M. Some things to note:

1. At the time we received proposals, Water Works Engineers was the lowest not to exceed amount received by PID. The second lowest proposed not to exceed amount was \$3M.
2. This work is all FEMA reimbursable.

The recommended form of motion is:

"I move to direct Staff to increase Water Works Engineers contract not-to-exceed amount to \$2M for disaster recovery engineering services provided under Agreement dated March 14, 2019."



PARADISE IRRIGATION DISTRICT

TO: Board of Directors
FROM: Kevin Phillips
DATE: 4/12/2019
RE: Water Works Scope of Work Amendment
04/17/19 Board of Directors Meeting

The District awarded a professional services contract to Water Works Engineering for project management for the disaster recovery. The scope of work was based on what they assumed would be necessary to execute the contract. As they have worked on the recovery plan and have been part of numerous meetings, they have revised their scope of work to reflect the actual services necessary to execute the recovery plan.

The recommended form of motion is:

"I move to approve the change of scope of the Water Works Engineering contract dated March 14, 2019 for project management services." *Board Approved 4.17.19*

EXHIBIT A- SCOPE OF WORK

The following services will be provided by ENGINEER for this project:

SUBTASK 1 – PROGRAM MANAGEMENT

Under this subtask, ENGINEER will provide the following services:

SUBTASK 1.1 – PROJECT MANAGEMENT 2019

Because the extent of Program Management needs for 2020 and 2021 are as of yet undetermined, this scope of work covers Program Management for 2019 (March through December). As 2019 is completed, we will assess upcoming Program Management needs for 2020 and 2021 and budget for those under future tasks.

1.1.1 Meetings 2019

ENGINEER will attend program kickoff meeting, planning meetings, meetings with regulators, Board of Directors meetings and public meetings as required to support PID in the recovery process and manage the various contractors and service providers required to accomplish the work. Assumes an average of 1 on-site meeting/week for 10 months (40 meetings) with 2 people (PM and Deputy PM) in attendance.

1.1.2 Communication 2019

ENGINEER will work with CLIENT to provide support in communicating the recovery plan to all project stakeholders and to the public. This will include producing communication materials, leading public information workshops, providing input on District website updates, etc.

1.1.3 Scheduling 2019

ENGINEER will develop and maintain an overall Program CPM Schedule which will track all Program activities. Schedule will be maintained and updated on a bi-weekly basis and shared with the CLIENT.

1.1.4 Cost Tracking 2019

ENGINEER will develop and maintain an overall Program Cost Estimate and maintain updates to the costs as the Program is executed.

1.1.5 Oversight of Recovery Program Management Team 2019

ENGINEER will provide oversight of all members of the Recovery Program Management Team, including ENGINEER staff and subconsultants to coordinate and orchestrate all project activities.

1.1.6 Documentation and Reporting 2019

ENGINEER will keep and maintain all records and documentation required by FEMA and CalOES. A monthly report of activities will be provided with each invoice.

Meeting	<ul style="list-style-type: none">• Program Kickoff Meeting, Project Meetings with FEMA, CalOES, DDW, RWQCB, Board Meetings, etc. (total of 40 meetings, 2 people)
----------------	--

Deliverables	<ul style="list-style-type: none"> • Project Schedule with Bi-Weekly Schedule Updates
--------------	--

SUBTASK 1.2 – GIS DEVELOPMENT AND MAINTENANCE

Water Works Engineers will engage Websoft Developers (Websoft) to develop and maintain a GIS system for use in planning, executing and communicating progress on the Recovery Plan developed in Subtask 2. No hardware (tablets) or software costs have been included in this scope – the GIS system will be hosted by Websoft Developers and all project stakeholders will have access (including weekly updates to the CLIENT website). The GIS system will encompass the following:

1.2.1 - ArcGIS Portal

In this task, Websoft will create an ESRI ArcGIS Portal site that will aid in the gathering and dissemination of information with all stakeholders. ArcGIS Portal is a method to host GIS data on our servers and use off-the-shelf web-map tools to view GIS information. It also allows raw GIS data to be shared via feature services. These services can be used by authorized users to view, query, and edit both the geometry and attributes of the underlying features. Initially, this site will be used as the basis for the MobileMMS field application and the distribution of the information described in Task 2 below. This task will require the following steps.

1. Create an ArcGIS Portal site with the following layers initially
 - a. Pipes – Created as described below. Attributes will indicate filled status and filled date.
 - b. Appurtenances– Differentiated between control and isolation valves, blow offs, and hydrants
 - c. Meters – Attributes will indicate water status (None, Requested, Delivered) and date
 - d. Service laterals
 - e. Parcels – Attributes will indicate water status (None, Requested, Delivered) and date
 - f. Occupiable structures – Information derived from CalFire, parcel information
 - g. Pipes with demand – Pipes generated via task 2 below
 - h. Cleared lots – information as available from FEMA
2. Authorize users to access site based on permission categories (e.g., Viewer, Editor)
3. Update MobileMMS map with Portal map service

1.2.2 – Categorization of Mains and Service Laterals

In this task, Websoft will create a pipe model that indicates how many active customers are attached to that pipe. These pipes will follow these Categories:

1. Transmission Lines: Pipes that have few or no service laterals. The transmission lines currently in the system may be excluded from this class if the system lines have more than LateralThreshold number of services.
2. Category 1: Primary Distribution Mains: These will be defined as pipes that are not transmission mains with more than 1 secondary Main attached to them and may have StructureThreshold or more active structures
3. Category 2: Secondary Mains with multiple occupied structures. Pipes with more than StructureThreshold number of active structures attached (initial setting of 2).

4. Category 3: Secondary Mains with less than or equal to StructureThreshold number of active structures attached.
5. Category 4: Secondary Mains with no active structures attached.

The variables LateralThreshold and StructureThreshold can be dynamically assigned to achieve the desired results.

We will use the following process to complete this task:

1. Develop geometric network from the existing CAD information: These pipes have already been converted into GIS files during the previous conversion when building the MobileMMS application GIS data. These pipes will be segmented at pipe intersections and hydrant laterals. Nodes will be placed at these intersection points. We will create the geometric model from these pipes and nodes.
2. Assign status and date to meters: Meters will be assigned one of 3 different states
 - a. None: No water request
 - b. Requested: Water requested and not delivered. Includes Request Date
 - c. Delivered: Meter turned on. Includes Request Date
3. Pipe Demand. Each pipe will inherit 1 point for every meter attached that has a status other than None from its associated meter.
4. Pipe demand propagation: Connected pipes will increase their point value by the value of demand from associated pipes. This propagation will continue until a transmission main is touched. Secondary pipes cannot inherit demand from primary pipes.
5. Migration to ArcGIS Portal: The conclusion of the demand propagation task will be published to the ArcGIS Portal where it can be viewed in the MobileMMS application, directly from the ArcGIS Portal, or placed in an ArcGIS Desktop map.
6. Information presentation: We will determine, with CLIENT input, how the information will be themed and how the data will be presented.

The tasks above are dynamic in nature. At each step, we will provide CLIENT with the opportunity to provide feedback on the output.

1.2.3 Data Input Management

ENGINEER will work develop data input and management tools in order to accept data from Recovery Project Teams and update the GIS system on a continuous basis, as data is received. Data input tool will be an ArcGIS Collector tool which will allow data input in the field, both with and without cell coverage. Data collected will include:

1. Isolation valve position
2. Temporary Customer Supply Deployment
3. Recovery activities for mains and appurtenances
4. Sample data
5. Rehabilitation or Replacement Status
6. Reconnection to Potable Service
7. Other data as determined necessary for the Recovery effort

Meetings	<ul style="list-style-type: none"> • GIS Kickoff Meeting (internal to Program Management Team)
Deliverables	<ul style="list-style-type: none"> • ArcGIS Portal • ArcGIS Collector Tool

SUBTASK 1.3 – DISTRIBUTION SYSTEM MODELING

A steady-state potable water distribution system model will be created using Innovyze’s InfoWater model, a GIS-based platform. This model will be built using the MMS Mobile GIS database developed under Subtask 1.2. No software costs have been included in this scope – ENGINEER will run the model on ENGINEER’s copy of InfoWater. Scenarios will be modeled with the goal of determining how the District can serve water flow, pressure and quality (as measured by water age) to return to pre-fire conditions.

1.3.1 - Data Collection and Review

Available information from the District including existing water models, GIS models, water production data, unaccounted for water, pump data, water meter billing data, as built information, currently connected services, and distribution system settings. Information will be gathered by meeting at the District office and determining what is available with the assistance of the District.

1.3.2 - Hydraulic Model Creation

- a. Pipes. The model pipelines will be based on GIS data from MMS Mobile. The GIS data includes the transmission and distribution system pipelines’ diameter and material. The pipelines’ data will be back checked against District as-builts as needed to confirm model set-up in preparation for updating loading demands.
- b. Nodes. Nodes will be placed at pipeline intersections. The node elevations will be created from topographic data using an assumed depth of cover.
- c. Other Features. The WTP, Pump Station 2, Reservoirs A-E, pressure reducing stations and altitude valves will be added to the model as well as interties.

1.3.3 - Water Demands and Supply

If available, historic meter data will be used to develop water use factors for residential and commercial land uses. If not, water demand factors will be used from the 2015 Urban Water Management Plan (UWMP) for residential and commercial land uses. Each parcel will be assigned a residential or commercial use per land-use data from <https://www.townofparadisemapping.com> and parcel GIS data from MMS Mobile. The water demand per parcel will be allocated to the model nodes. The projected water use will be checked against historic water production data for validity.

1.3.4 - Base Model Scenarios

The following scenarios will be analyzed in a steady state model. This projected amount of water used will be compared against actual water use records from the District, if available.

- a. Pre-Fire Average Day Demand. Non-vacant parcels using info from <https://www.townofparadisemapping.com> will be used to populate the water demands for this scenario. This will establish baseline modeling behavior of the system and can be validated using historic data.

- b. Post-Fire Average Day Demand. Parcels that have had a water service turned on per MMS Mobile GIS data will be used to populate the water demands for this scenario.

Once these two base scenarios have been created, then the scenarios will be operated in an Extended Period Simulation to model water age throughout the system by node. Where significantly longer water ages are observed in the post-fire model as compared to the pre-fire model, physical system improvements or changes to water operation procedures will be explored in the model and recommended to maintain the pre-fire water age at maximum during average day demand. A PID Distribution System Hydraulic Model Memorandum (draft and final) will be prepared to document the model creation and the results of the two base scenarios.

Meetings	<ul style="list-style-type: none">• Hydraulic Model Data Collection Meeting• PID Distribution System Hydraulic Model Memorandum Review Meeting
Deliverables	<ul style="list-style-type: none">• Draft and Final PID Distribution System Hydraulic Model Memorandum• InfoWater model files and .pdf documentation (not modeling software)

SUBTASK 2 – RECOVERY PLANNING

ENGINEER will work with CLIENT and all project stakeholders to develop a Recovery Plan which to the greatest extent possible achieves the following initial goals:

1. Allows for continued provision of Fire Protection water during the recovery period
2. Provides for thorough testing and restoration of the entire water distributions system
3. Provides for testing and restoration of service to services with customers as a priority – gets water to the most customers possible as fast as possible
4. Is sensitive to community needs for irrigation water, construction water, etc. during the recovery process to the greatest extent possible

These initial goals will be vetted and modified as required and other goals will be developed and adhered to as the Recovery Plan is completed in conjunction with PID staff and other project stakeholders.

SUBTASK 2.1 – RECOVERY PLAN DEVELOPMENT

The recovery plan will consist of five chapters, each regarding one Project in the Recovery Program:

1. Temporary Customer Supply
2. Recover Water Mains and Appurtenances
3. Sample Water Mains and Service Laterals
4. Repair, Replace Damaged System Components
5. Reconnect Customers to Distribution System

For each of these chapters, two subchapters will be produced:

1. Project Justification Report – Documenting the need for the project, comparing different solutions considered (including cost comparison), recommending a project alternative and explaining the rationale behind selecting the recommended alternative.

2. Project Implementation Plan – Explaining the plan for procurement and execution of the project. Includes estimated cost and duration of project activities. Plan will include procurement method planned as well as execution management requirements and plan.

Meetings	<ul style="list-style-type: none"> Recovery Plan Review Workshop
Deliverables	<ul style="list-style-type: none"> Draft Recovery Plan Final Recovery Plan

SUBTASK 2.2 – SAMPLING AND ANALYSIS PLAN (SAP) DEVELOPMENT

A core part of the work to be done in this Program is a significant (>25,000 sample) sampling program. In order to keep that sampling program organized and make the data as reliable as possible, ENGINEER will develop a Sampling and Analysis Plan (SAP). The SAP will be site-specific and produced in accordance with the guidelines of EPA Region IX. This plan will document the procedural and analytical requirements the sampling project to characterize areas of potential environmental contamination and will include the following:

1. Quality Assurance Program Plan (QAPP) –
 - a. The QAPP will establish policies that define and document the type and quality of data needed for program level environmental decisions and to describe the methods required for collecting, analyzing, and assessing data to support those decisions. The QAPP will include the establishment of Data Quality Objectives (DQOs).
2. Field Sampling Plan (FSP) -
 - a. The FSP establishes sample collection and field monitoring methods and procedures to be followed to ensure that sampling and investigatory activities in the Paradise irrigation District are conducted in a consistent manner in accordance with technically acceptable protocols. The objective of the FSP is to facilitate the collection of environmental monitoring data that meets the DQOs established in the QAPP.

Meetings	<ul style="list-style-type: none"> SAP Review Meeting
Deliverables	<ul style="list-style-type: none"> SAP (includes QAPP and FSP)

SUBTASK 3 – RECOVERY PROJECT PROCUREMENT

Following the completion of the Recovery Plan, each Project identified in the Recovery Plan will be procured. Procurement methods and resources used will vary depending on the nature of each Project, but could include inter-governmental agreements, informal public bid (for Projects <\$250,000), or formal public bid (for projects >\$250,000). Management of the Projects is not included in this subtask, only procurement. Procurement will include the development of the procurement documents, advertising for bids, assessing bids and recommending the selection of a service provider for each Project for approval by PID Board. This subtask is divided into a subtask for each Project in order to provide detailed cost tracking. For each subtask, the following meetings and deliverables will be provided (these will be combined as much as possible):

Meetings	<ul style="list-style-type: none"> • Procurement Document Review Meeting • Pre-Bid Meeting • Bid Opening
Deliverables	<ul style="list-style-type: none"> • Procurement Document • Bid Summary and Recommendation for Selection

- SUBTASK 3.1 TEMPORARY CUSTOMER SUPPLY***
- SUBTASK 3.2 RECOVER WATER MAINS AND APPURTENANCES***
- SUBTASK 3.3 SAMPLE WATER MAINS AND SERVICE LATERALS***
- SUBTASK 3.4 REPAIR, REPLACE DAMAGED SYSTEM COMPONENTS***
- SUBTASK 3.5 RECONNECT CUSTOMERS TO DISTRIBUTION SYSTEM***

PROJECT SCHEDULE

Program Management, as defined in Subtask 1, will be ongoing throughout the first 10-months of the 36-month project (through December 31, 2019). Recovery Plan Development will be completed by April 15, 2019. Recovery Project Procurement will be complete by June 15, 2019.

EXHIBIT B- FEE

ENGINEERING FEE

Payment for Subtasks 1 through 3 will be on a Time and Expense basis and invoiced in accordance with the Hourly Wage Rates in the following table.

Classification	Title	Hourly
AA	Administrative	\$102
T1	CADD Tech 1	\$85
T2	CADD Tech 2	\$115
T3	CADD Tech 3	\$141
I1	Field Inspector	\$137
I2	Senior Inspector	\$152
I3	Supervising Inspector	\$170
E1	Staff Engineer	\$127
E2	Associate Engineer	\$155
E3	Project / Structural Engineer	\$175
E4	Senior Project Engineer / Manager	\$203
E5	Principal Engineer	\$235

Notes:

1. A markup of 10% will be applied to all project related Direct Costs and Expenses.
2. An additional premium of 25% will be added to the above rates for Expert Witness and Testimony Services.
3. Rate effective through December 31, 2019. A 3% increase will be added for any services performed in each year thereafter.

Total Budget for each task will be as follows:

Subtask	Title	Budget
1	Program Management	\$731,000
2	Recovery Planning	\$144,000
3	Recovery Project Procurement	\$125,000
	Project Total	\$1,000,000

A detailed breakdown of the engineering costs summarized above is presented on the following page.

Water Works Engineers Fee Estimate

Client Paadise Irrigation District
 Project Disaster Recovery Program Management
 Task Order No 1
 Prepared by Kader
 Date 3/31/2019



		Hours and Fee																		Si	
		Subtask 1.1		Subtask 1.2		Subtask 1.3		Subtask 2.1		Subtask 2.2		Subtask 3.1		Subtask 3.2		Subtask 3.3		Subtask 3.4			
		2019		2019		2019		2019		2019		2019		2019		2019		2019			
Year		Project Management 2019		GIS Development and Maintenance		Distribution System Modeling		Recovery Plan Development		Sampling and Analysis Plan		Temporary Customer Supply Procurement		Recover Water Mains and Appurtenances Procurement		Sample Mains and Service Laterals Procurement		Repair, Replace Damaged System Components Procurement		Reconr to Distr Prr	
2019		hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	fee	hrs	
Water Works Engineers	Classification	Title	Hourly Rate																		
	AA	Administrative	\$102	100	\$10,200							32	\$3,264	32	\$3,264	32	\$3,264	32	\$3,264	32	
	T1	Drafter/Jr. Technician	\$85																		
	T2	Designer/Sr. Technican	\$115																		
	T3	Senior Designer	\$141																		
	I1	Field Inspector	\$137																		
	I2	Senior Inspector	\$152																		
	I3	Supervising Inspector	\$170																		
	E1	Staff Engineer	\$127																		
	E2	Associate Engineer	\$155			12	\$1,860	320	\$49,600	240	\$37,200			80	\$12,400	80	\$12,400			80	\$12,400
	E3	Project Engineer	\$175																		
	E4	Senior Project Engineer	\$203	1000	\$203,000	16	\$3,248	200	\$40,600	160	\$32,480			40	\$8,120	40	\$8,120	72	\$14,616	40	\$8,120
E5	Principal Engineer	\$235	1120	\$263,200	124	\$29,140	40	\$9,400	100	\$23,500											
Expenses																					
WWE Expenses				\$8,575		\$836		\$364		\$2,200				\$1,105		\$1,105		\$473		\$1,105	
Subconsultants																					
Websoft Developers						\$100,000															
Remedy Engineering										\$4,000		\$40,000				\$6,000					
Subconsultant/Expense Markup		10%		\$857		\$10,084		\$36		\$620		\$4,000		\$111		\$111		\$647		\$111	
Annual Increase for WWE rates of		3%																			
Subtask Totals		2220	\$485,832	152	\$145,168	560	\$100,000	500	\$100,000	0	\$44,000	152	\$25,000	152	\$25,000	104	\$25,000	152	\$25,000	152	

Project Total	
Hours	Fee
3992	\$1,000,000

AGREEMENT

THIS AGREEMENT is made and entered into this 14th day of March, 2019, by and between Paradise Irrigation District, an irrigation district formed and existing under Division 11 of the California Water Code ("District"), and **Water Works Engineers, LLC** ("Consultant"). District and Consultant are collectively referred to as "parties" or either individually as "party".

WITNESSETH:

- A. District desires to retain the professional services of a consultant to provide Disaster Recovery Management Services for restoration of water services to the Paradise Irrigation District Service Area.
- B. The duration of service for this contract is for 3 years from the date the Agreement is entered into, unless terminated earlier.
- C. The purpose of this project is for the Consultant to provide Program Management Services in the support of the development and implementation of a strategic plan to restore water services to the District following the 2018 Camp Fire Disaster.
- D. The initial work to be performed by Consultant is further described in the Scope of Work attached hereto as Exhibit "A" and incorporated herein by this reference and is collectively referred to as the "Project". As the needs of the project develop, additional scope will be added by change order to this contract.
- E. Consultant desires to undertake the Project pursuant to the terms and conditions set forth herein.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby stipulated, the parties agree as follows:

I. SCOPE OF WORK

The Consultant shall be responsible for timely and satisfactorily completing work on the Project as defined in this Agreement and Exhibit "A".

II. SCHEDULE

The Project will be completed upon a mutually agreed schedule after execution of this Agreement and Consultant's receipt of written Notice to Proceed on the Project from the District. The parties agree to establish this schedule within five (5) days of receipt of written Notice to Proceed. Failure to do so shall result in termination of agreement without cost to District. Time is of the essence in completing the work contemplated herein.

III. RESPONSIBILITIES

A. District. The District's duties and rights in connection with this Project are as follows:

- 1) The District shall make staff available to the Consultant for purposes of conference discussion, reviewing submissions from the Consultant, providing background or other available factual information and/or suggestions relating to the work in a manner such that the Consultant may meet the Project completion schedule.
- 2) The District shall provide access to all District facilities upon request by the Consultant at a time and in the manner mutually agreed upon as required to accommodate the work of Consultant.
- 3) District shall tender payment in accordance with the provisions of Section VI(B).

B. Consultant. Consultant's duties and rights in connection with this Project are as follows:

- 1) Consultants shall be solely responsible for satisfactorily completing the Project, including those tasks described in Exhibit "A". Consultant shall supervise and direct the work and give all attention for such proper supervision and direction;
- 2) If Consultant furnishes labor or materials, or if Consultant incurs any expense on behalf of District, Consultant shall provide and pay for all labor, materials, equipment (including tools, construction equipment and machinery), utilities, transportation, and all other facilities and services necessary for the completion of the work on the Project;
- 3) If this Agreement or any of the Exhibits hereto are ambiguous or at variance with each other, Consultant shall notify District promptly upon discovery of any such ambiguity or variance. District may reply in writing resolving the ambiguity or variance and Consultant agrees to comply with District's written interpretation. No claims or demands of Consultant for extra compensation as a result of changes in the work shall be authorized unless done in conformance with section VIII, below.
- 4) Consultant covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.

- 5) All work performed by Consultant for District pursuant to this Agreement shall be performed by qualified persons, and shall be performed in accordance with standards of performance generally applicable to experts and licensed professionals in the field for which Consultants services are retained. The standard of care and performance shall be equal to or greater than the standard of care and performance of other consultants engaging in the same or similar work.
- 6) Consultant shall be entitled to rely upon the accuracy of data and information provided by authorized staff of the District in writing; provided such reliance is consistent with professional standard of care.
- 7) Consultant agrees that it will conduct its work on the Project and perform its services in compliance with all applicable Federal, State and local laws, regulations and ordinances.

IV. WORK PRODUCT

The District, or its designee, shall at all times have access to the work product of the Consultant while Project is under preparation or in progress. Upon completion or termination of the Project, all drawings, documents, files and notes both in written and electronic format shall become property of the District, including without limitation all renderings, slides, sketches, plans, specifications, drafts, records, documents and other correspondence generated for or relied upon in connection with the Project. Any reuse of Consultant prepared documents, except for the specific purpose intended hereunder, will be at District's sole risk and without liability or legal exposure to Consultant or its subconsultants.

V. DESIGNATED REPRESENTATIVES

The Project shall be under direct control of **Sami Kader**, Consultant's Project Manager, to whom all questions may be directed. The District's representative will be its District Manager, **Kevin Phillips**, or his designee who will facilitate communication between the District's staff and Consultant.

VI. COMPENSATION

- A. Payment: Consultant will be paid on a time and materials basis in an amount "not to exceed" **\$1,000,000** for the Project and work to be performed in Exhibit "A". No work in addition to the work described in this Agreement, including Exhibits, shall be performed by Consultant without prior written authorization by District as provided for in section VIII, below. Progress payments shall be made monthly for work completed based upon the billing rates contained in the Schedule of Rates/Fees attached hereto as Exhibit "B" and incorporated herein by this reference.

- B. Time of Payment: District shall make payment to Consultant within thirty (30) days from the date of receipt of Consultant's invoice for undisputed amounts. Claims for payment of disputed amounts shall be handled in accordance with sections VIII and IXX, below. Consultant shall continue with work on the Project notwithstanding disputes as to payment. Acceptance of the Project, or some portion thereof, or payment to Consultant by District does not in any manner relieve Consultant of its obligations under this Agreement.

VII. TERM AND TIME FOR COMPLETION

This Agreement shall become effective on the date first written above and shall remain in effect until the Project has been satisfactorily completed unless sooner terminated in accordance with Article XI - Termination. Consultant will begin work upon receipt of written Notice to Proceed and will work diligently and continuously until satisfactory completion.

VIII. TIME OF THE ESSENCE

Time is of the essence with respect to all provisions of this Agreement.

X. INDEMNIFICATION

Consultant agrees to indemnify, defend, and hold harmless the District, its officers, agents, employees and volunteers from and against any and all claims, demands, actions, losses, damages, injuries, and liability, direct or indirect (including any and all costs and expenses in connection therein) (collectively "Claims") to the extent arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of the Consultant, excepting such injury or harm caused by District's sole or active negligence or willful misconduct, to the extent caused thereby. Consultant's indemnity obligation shall extend to Claims occurring after completion of the Project, as well as during the Project's progress.

Consultant specifically agrees that this indemnification agreement provides indemnity to District for any claims, damages or liability for injuries (including death) incurred or sustained by Consultant's own employees and those of Consultant's subconsultants.

Neither the termination of this Agreement, nor the completion or ending of the Project shall release Consultant from its obligations to indemnify as set forth above. Consultant's obligation to indemnify and its obligation to maintain liability and other insurance are separate and distinct. Consultant's obligation to indemnify is not restricted to insurance proceeds, if any, received by District or its directors, officers, employees, or authorized representatives.

XI. INSURANCE

- A. Consultant agrees to provide insurance coverage as set forth in Exhibit "C".

XII. TERMINATION

- A. TERMINATION FOR CONVENIENCE. District may terminate this Agreement with Consultant at any time without cause. District shall so notify Consultant in writing. Upon written notification, this Agreement shall be terminated and the Consultant shall immediately stop the Consultant's work on the Project, follow all District instructions, and mitigate all costs and damages. Provided Consultant is not in breach, District shall be responsible for all costs incurred by Consultant up to the date of termination without cause.
- B. TERMINATION FOR CAUSE: CONSULTANT PERFORMANCE AND THE BREACH THEREOF. The District may terminate this agreement and is relieved of the payment of any consideration to Consultant should Consultant fail to perform the covenants herein contained at the time and in the manner herein provided. Consultant shall be notified in a timely manner of default and provided 30 days in which to remedy the default. If, at the end of the 30 days, remedy is not made or does not satisfy the default, the District shall notify the Consultant of the breach and thereby the termination of this contract. In the event of such termination, the District may proceed with the work in any manner deemed proper by the District. The cost to the District shall be deducted from any sum due the Consultant under this agreement and the balance, if any, shall be retained by the District.

XIII. ENTIRE AGREEMENT

This writing, including Exhibits "A", "B", and "C" constitutes the entire Agreement between the parties relative to the services specified herein, and no modifications hereof shall be effective unless and until such modification is evidenced by a writing signed by both parties to this Agreement.

There are no understandings, agreements, conditions, representations, warranties or promises with respect to the subject matter of this Agreement except those contained in or referred to in this writing.

XIV. INDEPENDENT CONSULTANT

It is expressly understood and agreed by the parties that Consultant's relationship to District is that of an independent contractor. All persons hired by Consultant and performing the work shall be Consultant's employees or agents. District shall not be obligated in any way to pay any wages or other claims by any such employees or agents or any other person by reason of this Agreement. Consultant shall be solely

liable to such employees and agents for losses, costs, damage or injuries by said employees or agents during the course of the work.

XV. SUCCESSORS AND ASSIGNMENT

This Agreement shall be binding on the heirs, successors, executors, administrator and assigns of the parties; however, Consultant agrees that it will not assign, transfer, convey or otherwise dispose of this Agreement or any part thereof, or its rights, title or interest therein, or its power to execute the same without the prior written consent of District which may be withheld for any reason, in District's sole discretion.

XVI. REMEDIES NOT EXCLUSIVE

The use by either party of any remedy specified herein for the enforcement of this Agreement is not exclusive and shall not deprive the party using such remedy of, or limit the application of any other remedy provided by law.

XVII. NOTICES

All notices, statements, reports, approvals or requests or other communications that are required either expressly or by implication to be given by either party to the other under this Agreement shall be in writing and signed for each party by such officers as each may, from time to time, authorize in writing to so act. All such notices shall be deemed to have been received on the date of delivery if delivery personally or three (3) days after mailing if enclosed in a properly addressed and stamped envelope and deposited in the U.S. post office for delivery. Unless and until formally notified otherwise, all notices shall be addressed to the parties at their addresses shown below:

Paradise Irrigation District
Attention: **Kevin Phillips**
6332 Clark Road
Paradise, CA 95969

CONSULTANT
Attention: **Sami Kader**
760 Cypress Ave., Suite 201
Redding, CA 96001

XVIII. SUBCONSULTANTS

Except for the subconsultants listed in Exhibit "A", no other subcontract shall be awarded or another outside consultant engaged by Consultant unless prior written approval is obtained from District, which may be withheld for any reason, in District's sole discretion. Payment to Consultant as provided in Exhibit "B" includes full payment for services to sub-consultants.

IX. INTERPRETATION

Unless the context otherwise clearly requires, the terms in the body of this Agreement shall prevail over any inconsistent terms that may be found in the Exhibits hereto.

The parties have had a full and fair opportunity to negotiate and review the terms of this agreement with their respective legal counsel and, as a result, the normal rule of interpreting ambiguities against the drafting party shall not apply.

XX. DISPUTE RESOLUTION; JURISDICTION AND VENUE

In the event of dispute regarding interpretation or implementation of this Agreement, including without limitation disputes concerning payment, a District representative and Consultant representative shall endeavor to resolve the dispute by meeting in person within 30 days after the request of either party. If the dispute remains unresolved and unless the parties otherwise agree, the dispute may be resolved by litigation and any party may at its option pursue any available legal remedy. This Agreement shall be governed by and construed under the laws of the State of California. Jurisdiction and venue for any action brought to enforce or interpret the terms of this Agreement shall be in the Superior Court of the State of California in and for the County of Butte.

XXI. HAZARDOUS MATERIALS

In the event the Consultant or the District discover Hazardous Materials in any form at District's facilities, the Consultant and the District shall promptly confer with each other of the discovery, and the District and Consultant shall employ reasonable actions ensuring public, employee, and third party safety.

As used herein, Hazardous Materials means any hazardous or toxic substance, material, or waste, the storage, use, or disposition of which is or becomes regulated by any local governmental authority, the State of California, or the United States government.

XXII. FEMA REQUIREMENTS

A. Equal Employment Opportunity.

- 1) The Consultant will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Consultant will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action will include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Consultant agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

- 2) The Consultant will, in all solicitations or advertisements for employees placed by or on behalf of the Consultant, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- 3) The Consultant will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Consultant's commitments under this section, and will post copies of the notice in conspicuous places available to employees and applicants for employment.
- 4) The Consultant will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- 5) The Consultant will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- 6) In the event of the Consultant's noncompliance with the nondiscrimination clauses of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the Consultant may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

The Consultant will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Consultant will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event the Consultant becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Consultant may request the United States to enter into such litigation to protect the interests of the United States.

XXIII. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT 40 U.S.C.
3701-3708

- A. Overtime requirements. No contractor or subcontractor contracting for any part of the Contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- B. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section Consultant and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Consultant and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.
- C. Withholding for unpaid wages and liquidated damages. The District shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Consultant or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.
- D. Subcontracts. The Consultant or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Consultant shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (5) of this section.

XXIV. CLEAN AIR ACT AND THE FEDERAL WATER POLLUTION CONTROL ACT

The Consultant and the District agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401–7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251–1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

A. Clean Air Act

- 1) The Consultant shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
- 2) The Consultant shall report each violation to District and understands and agrees that District will, in turn, report each violation as required to assure notification to the Cal OES, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- 3) The Consultant shall include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FEMA.

B. Federal Water Pollution Control Act

- 1) The Consultant shall comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- 2) The Consultant shall report each violation to District and understands and agrees that District will, in turn, report each violation as required to assure notification to the Cal OES, Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
- 3) The Consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

C. Energy Efficiency

Consultant will comply with all standards and policies relating to energy efficacy which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6201).

- 1) This Contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the Consultant is required to verify that none of the Consultant, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- 2) The Consultant must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- 3) This certification is a material representation of fact relied upon by the District. If it is later determined that the Consultant did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the District, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- 4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any Contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions."

XXV. CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements (To be submitted with each bid or offer exceeding \$100,000) the Consultant will execute the following certification:

The undersigned Consultant certifies, to the best of his or her knowledge, that:

- A. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of

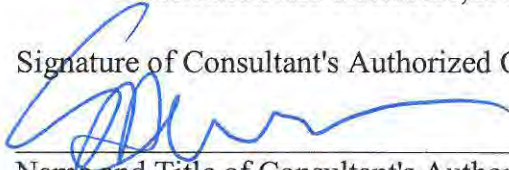
Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

- C. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

- D. Consultant certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, Consultant understands and agrees that the provisions of 31 U.S.C. § 3801 et seq., apply to this certification and disclosure, if any.

Signature of Consultant's Authorized Official:



Name and Title of Consultant's Authorized Official:

Sami Kader, Principal

Date: 3/19/19

XXVI. PROCUREMENT OF RECOVERED MATERIALS

If applicable in the performance of this Contract, the Consultant shall make maximum use of products containing recovered materials that are EPA designated items unless the product cannot be acquired-

- (i) Competitively within a timeframe providing for compliance with the contract performance schedule;
- (ii) Meeting contract performance requirements; or
- (iii) At a reasonable price.

Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at [http://www.epa.gov/cpg/products .htm](http://www.epa.gov/cpg/products.htm)."

XVII. ACCESS TO RECORDS

- A. The Consultant shall provide CalOES, the District, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Consultant which are directly pertinent to this Contract for the purposes of making audits, examinations, excerpts, and transcriptions.
- B. The Consultant shall permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- C. The Consultant shall provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the Contract.

XXVIII. DEPARTMENT OF HOMELAND SECURITY (DHS) SEAL, LOGO AND FLAGS

Consultant shall not use the DHS seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre approval.

XXIX. COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDERS

Consultant acknowledges that FEMA financial assistance will be used to fund the Contract only. The Consultant will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

XXX. NO OBLIGATION BY FEDERAL GOVERNMENT

The Federal Government is not a party to this Contract and is not subject to any obligations or liabilities to the non-Federal entity, Consultant, or any other party pertaining to any matter resulting from the Contract.

XXXI. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS

The Consultant acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Consultant's actions pertaining to this Contract.

XXXII. SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, LABOR AREA SURPLUS FIRMS

Consultant shall take all necessary affirmative steps to assure that small and minority businesses, women's business enterprises and labor area surplus firms are used when possible, as set forth in 2 C.F.R. §200.321.

By execution of this CONTRACT the Consultant certifies that compliance with all the stated regulatory requirements as stipulated and where action is appropriate and required as a means of compliance, shall endeavor in good faith to conform to regulations and in no way are they connected to any federal, state or local debarment proceedings.

IN WITNESS WHEREOF the parties execute this Agreement on the day and year first herein above written.

Signature


Sami Kader, Principal

ATTEST:

TAXPAYER ID 20-3148271

Business Type:

Corporation ☐ Yes ☐ No

Other: LLC

(Complete W-9 enclosed)

Printed Name and Title

PARADISE IRRIGATION DISTRICT

ATTEST:


Georgeanna Borrayo, District Secretary


Kevin Phillips, District Manager

Attachments:

Exhibit A - Consultant's Scope of Work

Exhibit B - Consultant's Schedule of Fees

Exhibit C - Insurance Requirements

EXHIBIT A

Scope of Work to be performed by the Consultant

EXHIBIT A - SCOPE OF WORK

The following services will be provided by ENGINEER for this project:

SUBTASK 1 – PROGRAM MANAGEMENT

Under this subtask, ENGINEER will work with Paradise Irrigation District to define the key goals of the program. Goal setting will be done in a collaborative workshop manner with District Staff, Management and Board at a Program Kickoff Meeting. Following the kickoff meeting, within the framework of those goals, ENGINEER will lay out a step-wise approach to define program needs and identify the most pragmatic, effective and cost-efficient project approaches to addressing those needs. This will be documented in a Program Implementation Plan which will be written and submitted to PID for discussion and refinement. Using the Program Implementation Plan, ENGINEER will identify appropriate grant funding opportunities working in conjunction with the appropriate partners from FEMA, CalOES, SWRCB, etc. to ensure that projects are grant eligible and properly structured to be grant fundable. Based on the available funding and the requirements of that funding, projects will be planned and implemented. Project implementation will include grant coordination and administration as required as well as identification of the most appropriate procurement method for each project, procurement management for each project, and execution and close-out of each project which makes up the program. ENGINEER will conduct quarterly program review meetings in order to periodically revisit program goals to make sure we are on track with the expectations of all stakeholders.

Also under this subtask will be close support of PID Staff and Management by both the Program Manager and Grants Coordinator from the project team. For the purposes of budgeting for this proposal, it is assumed that both will attend weekly meetings in Paradise for the first 6 months of the project, then monthly for the remaining 30 months of the defined project timeframe. As the program develops, this level of effort can be adjusted as appropriate.

The third part of this task will be the engagement of our team of technical experts, including Brian Crane and the technical experts from Ramboll. We will establish technical advisory panels in consultation with Paradise Irrigation District as project needs arise. Those panels will meet via teleconference. The fee reflects up to ten 2-hour technical advisory panel teleconferences.

The Water Works Engineers Program Manager will also direct the efforts of the Project Engineering team, subconsultants, etc. We will bring the needed resources to bear on the project when they are needed.

Meetings	<ul style="list-style-type: none">• Program Kickoff Meeting• Weekly Recovery Team Meetings (6 months)• Monthly Recovery Team Meetings (30 months)• Quarterly Program Review Meetings (12 ea)• Technical Advisory Panel Teleconferences (10 ea)
Deliverables	<ul style="list-style-type: none">• Program Implementation Plan• Monthly Progress Reports

SUBTASK 2 – DISTRIBUTION SYSTEM MODELING

A steady-state potable water distribution system model will be created using Innovyze's InfoWater model, a GIS-based platform. This model will be built using the MMS Mobile GIS database currently being developed by WebSoft Developers in conjunction with PID staff. Scenarios will be modeled with the goal of determining how the District can serve water flow, pressure and quality (as measured by water age) to return to pre-fire conditions.

1. Data Collection and Review

Available information from the District including existing water models, GIS models, water production data, unaccounted for water, pump data, water meter billing data, as built information, currently connected services, and distribution system settings. Information will be gathered by meeting at the District office and determining what is available with the assistance of the District.

2. Hydraulic Model Creation

- a. Pipes. The model pipelines will be based on GIS data from MMS Mobile. The GIS data includes the transmission and distribution system pipelines' diameter and material. The pipelines' data will be back checked against District as-builts as needed to confirm model set-up in preparation for updating loading demands.
- b. Nodes. Nodes will be placed at pipeline intersections. The node elevations will be created from topographic data using an assumed depth of cover.
- c. Other Features. The WTP, Pump Station 2, Reservoirs A-E, pressure reducing stations and altitude valves will be added to the model as well as interties.

3. Water Demands and Supply

If available, historic meter data will be used to develop water use factors for residential and commercial land uses. If not, water demand factors will be used from the 2015 Urban Water Management Plan (UWMP) for residential and commercial land uses. Each parcel will be assigned a residential or commercial use per land-use data from <https://www.townofparadisemapping.com> and parcel GIS data from MMS Mobile. The water demand per parcel will be allocated to the model nodes. The projected water use will be checked against historic water production data for validity.

4. Base Model Scenarios

The following scenarios will be analyzed in a steady state model. This projected amount of water used will be compared against actual water use records from the District, if available.

- a. Pre-Fire Average Day Demand. Non-vacant parcels using info from <https://www.townofparadisemapping.com> will be used to populate the water demands for this scenario. This will establish baseline modeling behavior of the system and can be validated using historic data.
- b. Post-Fire Average Day Demand. Parcels that have had a water service turned on per MMS Mobile GIS data will be used to populate the water demands for this scenario.

Once these two base scenarios have been created, then the scenarios will be operated in an Extended Period Simulation to model water age throughout the system by node. Where significantly longer water ages are observed in the post-fire model as compared to the pre-fire model, physical system improvements or changes to water operation procedures will be explored in the model and recommended to maintain the pre-fire water age at maximum during average day demand. A PID Distribution System Hydraulic Model Memorandum (draft and final) will be prepared to document the model creation and the results of the two base scenarios.

Meetings	<ul style="list-style-type: none"> Hydraulic Model Data Collection Meeting PID Distribution System Hydraulic Model Memorandum Review Meeting
Deliverables	<ul style="list-style-type: none"> Draft and Final PID Distribution System Hydraulic Model Memorandum InfoWater model files and .pdf documentation (not modeling software)

SUBTASK 3 – VOC TESTING

Based on observations made and testing that has already been done by PID and SWRCB Division of Drinking Water, ENGINEER will develop a high density VOC data collection plan. This plan will be developed first in a workshop, then in a written plan. Following agreement on the VOC Data Collection Plan, ENGINEER will collect VOC data from the areas of concern identified. Up to 60 samples/10-hr day can be processed, at a total cost of \$60-80/sample. This initial scope is based on a four week mobilization to the site, with a total of up to 1200 samples in order to provide high density testing. We are assuming that PID staff will take the samples and deliver them to the testing van during this sampling period.

Meetings	<ul style="list-style-type: none"> High Density VOC Data Collection Workshop
Deliverables	<ul style="list-style-type: none"> VOC Data Collection Plan VOC Data Mapping Report

PROJECT SCHEDULE

Program Management, as defined in Subtask 1, will be ongoing throughout the 36-month project schedule. Assuming timely support from PID Staff, Baseline Modeling and VOC Testing as defined in Subtask 2 and 3, will be completed within 90 days of Notice to Proceed.

EXHIBIT B

Compensation is based on the following schedule of rates and fees

EXHIBIT B - FEE

ENGINEERING FEE

Payment for Subtasks 1 through 3 will be on a Time and Expense basis and invoiced in accordance with the Hourly Wage Rates in the following table.

Classification	Title	Hourly
AA	Administrative	\$102
T1	CADD Tech 1	\$85
T2	CADD Tech 2	\$115
T3	CADD Tech 3	\$141
I1	Field Inspector	\$137
I2	Senior Inspector	\$152
I3	Supervising Inspector	\$170
E1	Staff Engineer	\$127
E2	Associate Engineer	\$155
E3	Project / Structural Engineer	\$175
E4	Senior Project Engineer / Manager	\$203
E5	Principal Engineer	\$235

Notes:

1. A markup of 10% will be applied to all project related Direct Costs and Expenses.
2. An additional premium of 25% will be added to the above rates for Expert Witness and Testimony Services.
3. Rate effective through December 31, 2019. A 3% increase will be added for any services performed in each year thereafter.

Total Budget for each task will be as follows:

Subtask	Title	Budget
1	Program Management	\$819,840
2	Distribution System Modeling	\$99,960
3	VOC Testing	\$80,200
	Project Total	\$1,000,000

A detailed breakdown of the engineering costs summarized above is presented on the following page.

			Hours and Fee						
			Subtask 1		Subtask 2		Subtask 3		
			Program Management		Distribution System Modeling		VOC Testing		
Water Works Engineers			2019	hrs	fee	hrs	fee	hrs	fee
Classification	Title	Hourly Rate							
AA	Administrative	\$102	480	\$48,960					
T1	Drafter/Jr. Technician	\$85							
T2	Designer/Sr. Technician	\$115							
T3	Senior Designer	\$141							
I1	Field Inspector	\$137							
I2	Senior Inspector	\$152							
I3	Supervising Inspector	\$170							
E1	Staff Engineer	\$127							
E2	Associate Engineer	\$155			320	\$49,600			
E3	Project Engineer	\$175			120	\$21,000			
E4	Senior Engineer	\$203	1560	\$316,680	120	\$24,360		40	\$8,120
E5	Principal	\$235	1680	\$394,800	18	\$4,230		24	\$5,640
Subconsultants and Expenses									
	WWE Expenses			\$16,000		\$700			\$400
	Brian Crane			\$8,000					
	Ramboll			\$30,000					
	Entanglement Technologies								\$60,000
Subconsultant/Expense Markup		10%		\$5,400		\$70			\$6,040
Subtask Totals			3720 [✓]	\$819,840	578 [✓]	\$99,960	64 [✓]	\$80,200	

Paradise Irrigation District

Draft Budget

Fiscal Year 2019 – 20

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PARADISE IRRIGATION DISTRICT

5325 Black Olive Drive • P.O. Box 2409 • Paradise, California 95967 • 530.877.4971 • Fax 530.876.0483

August 16, 2019

Paradise Irrigation District
Board of Directors

The Paradise Irrigation District management and staff are pleased to present the Paradise Irrigation District's 2019/20 Budget. The basic purpose of the budgetary process is to present the District's expenditure plan and to identify the resources and revenues available to fund it. The Budget is intended to support the priorities and policies of the Board of Directors as reflected in the District's Mission Statement and its Strategic Business Plan.

History

Paradise Irrigation District (PID) is located in the Town of Paradise, a Northern California foothill community. PID was originally formed in 1916 under the laws of the California Irrigation Code for the purpose of providing agricultural water to approximately 1,000 ridge residents.

The PID treatment plant draws water from Magalia Reservoir and Paradise Lake, which hold a total of 12,293 acre-feet of water. The water treatment plant was constructed in 1995 and provides an average flow of 7.5 million gallons per day. Runoff is collected over 11.2 square miles of watershed located north and east of Magalia Reservoir. This watershed is heavily forested and sparsely populated, which contributes to the high-quality water we serve. The District has a ground water source at the D Tank reservoir site. This well produces up to 450 gallons per minute (gpm) and is used as a drought management and emergency source.

In November of 2018, the Camp Fire swept through the town of Paradise, which destroyed approximately 90% of the standing structures within the PID service area. During the Camp Fire, a significant number of service laterals and service meters burned and melted, causing the distribution system to depressurize. The depressurization caused contaminants, especially volatile organic compounds (VOC's), to be sucked into the service lines. Following the Camp Fire, the distribution system was repressurized, leaks were repaired, and initial water quality testing began. The initial water quality testing discovered VOC contamination in multiple samples. Immediately, a "do not drink" water advisory was initiated by PID. The full extent of the contamination is not yet known, but the system needs to be confirmed to be clear of contaminants and determined safe for use in distributing drinking water. A Water System Recovery Plan has been developed to accomplish this task, which is currently under way. The Water System Recovery Plan involves extensive testing of all service laterals serving standing structures, and testing/repair of service laterals to burned lots to return potable water to all PID customers.

As a result of the damage caused by the Camp Fire, PID has incurred significant losses in revenue and a substantial portion of its customer base. PID had grown to serve approximately 10,500 municipal and residential/commercial customers before the Camp Fire. As of the beginning of the fiscal year, approximately 8,500 of those customers remain. The District continues to process customer requests to permanently disconnect service as customers continue to receive lost mail and finalize their housing decisions. Customers remaining with PID are currently being charged a reduced service charge set at the readiness to serve rate. Additionally, customers have not been charged consumption fees since the fire due to the damage and contamination to the District's distribution system. Customers will continue to be charged the reduced readiness to serve charge and will not be charged for water consumption until they are returned to potable service.

District Structure and Leadership

The Paradise Irrigation District is an independent special district that operates under the authority of Division 11 of the California Water Code. The District was formed by an election in 1916 and is governed by a five-member Board of Directors, elected at-large from within the District's service area. Each Director must reside in the division they represent.

The District is an enterprise special district recognized as a local government of the State of California. Our primary source of revenue is generated through the sales of our product, drinking water for our customers. Although we are a not for profit governmental organization, we collect revenues in excess of our needs for operational purposes to invest in capital projects within our District that support our Mission Statement. The Board of Directors, similar to the Board of Directors for a corporation, works through the District Manager, similar to a CEO of a corporation, to ensure the District is operated in a businesslike manner.

A major difference between how our District operates as opposed to privately owned water companies, such as Del Oro Water Company and California Water Service Company, is that our Directors are elected from within the community and decisions on rate structures and capital improvement projects are made at our local level. Rates are adjusted by the Board of Directors under the process established by Prop 218. Private Water Companies are regulated by the Public Utility Commission and receive rate approvals for operational and capital expenditures from this state-operated entity.

The District Manager administers the day-to-day operations of the District in accordance with policies and procedures established by the Board of Directors. The District currently employs thirty-four full time employee positions organized in departments led by supervisors and managers who are responsible for their budgets and expenses. The District's Board of Directors meet on the third Wednesday of each month at 6:30 p.m. Meetings are publicly noticed and citizens are encouraged to attend.

Government

<u>Director</u>	<u>Division</u>	<u>Title</u>	<u>Term Expires</u>
Dan Hansen	1	Director	Dec-2020
William L. Kellogg	2	Director	Dec-2022
Shelby Boston	3	Director	Dec-2020
Marc Sulik	4	President	Dec-2022
Bob Prevot	5	Vice-President	Dec-2020

Directors Responsibilities

The Board establishes policy on the District's mission, goals, and operations. The Board delegates authority to the District Manager to handle day-to-day operations. The Board sets water rates and charges and establishes an annual budget; makes contracts and employs labor as necessary to carry out the purposes of the District. The Board also has the authority to adopt policies that have the force of law within the District.

The Board reviews staff recommendations and decides which policies should be implemented in light of the District's mission and goals. The Board also monitors the implementation of its policies.

Our Mission

The Mission of the Paradise Irrigation District is to excel in 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.

District Services

The District provides water service to approximately eight thousand five hundred customer connections within its service area, which is located in the Foothills of Butte County. The District encompasses the Town of Paradise, California and some unincorporated areas of Butte County, California.

Budget Control

The budget for the District is kept on a cash accounting basis. Revenues are recognized when received and expenses are recognized when paid.

The District is operated as a single enterprise fund, which is an accounting entity with a self-balancing set of accounts established to record the financial position and results that pertain to a specific governmental activity. The activities of enterprise funds closely resemble those of ongoing businesses in which the purpose is to conserve and add to reserves while meeting operating expenses for current revenues. Enterprise funds account for operations that provide services on a continuous basis and, in the case of the Paradise Irrigation District, are almost entirely financed by revenues derived from user charges.

Budget Process

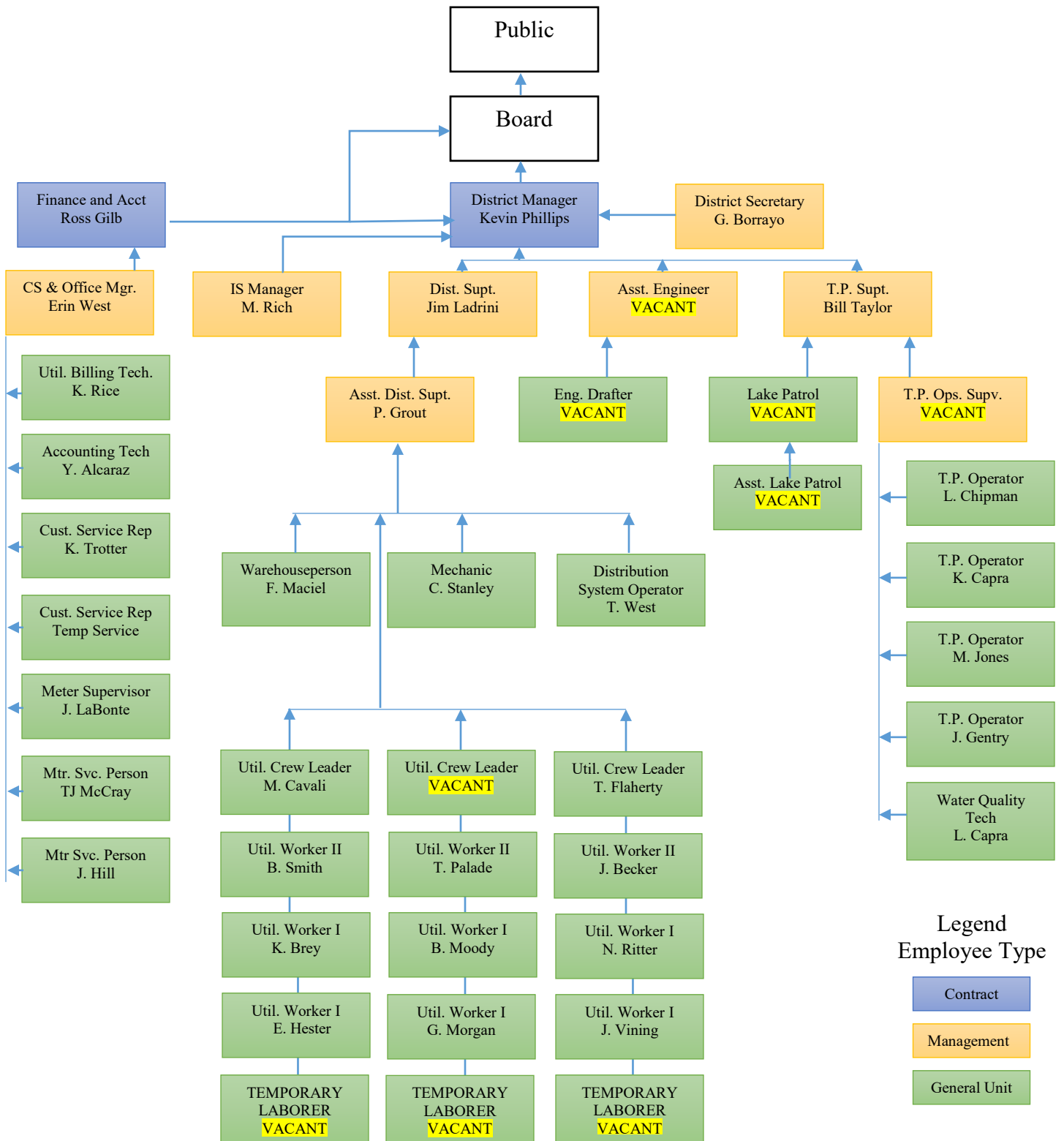
The Board of Directors annually adopts an operating and capital budget each fiscal year. The budget authorizes and provides the basis for reporting and control of financial operations and accountability for the District's enterprise operations and capital projects. Each year the District adopts a budget allowing it to continue to operate in the most efficient manner.

The District's budget process was developed with a series of goals and objectives in mind. These goals and objectives are developed from the Strategic Business Plan adopted by the Board of Directors. Throughout the year, the Board of Directors provides priorities and guidelines to the District Manager, the Finance and Accounting Manager, and other appropriate Staff. These priorities and other future issues and concerns are then discussed with department Supervisors and Managers during regular staff meetings. Once goals and objectives for the upcoming year are identified, consistent with those communicated by the Board of Directors, the District Manager, and his staff then begin development of the District's budget. The Budget is developed to summarize the revenue and expenses at the beginning and continue to get more detailed as the Budget continues.

An increase in the Operating and Capital budget may result in rate increases. In order to minimize the impact on District's rates, expense requirements are scrutinized to achieve operating efficiencies that maintain or improve customer service at the same time.

This budget is intended to be used for feasibility and planning purposes only. Approval of this budget by the Board of Directors does not commit the District to a particular course of action, does not constitute approval of any "project" under CEQA, and does not foreclose consideration or possible adoption of alternatives to any project, including the no project alternative. The District will comply with CEQA and other applicable laws, to the extent required, prior to approval or implementation of any project described herein.

Paradise Irrigation District
FY 2019/20 Budget
Staffing Summary



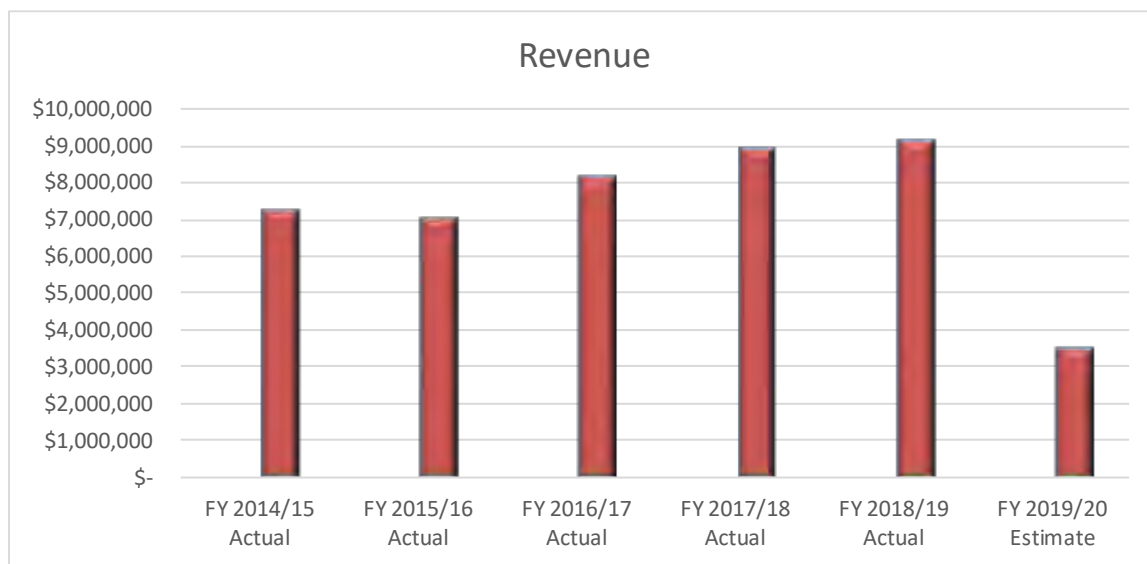
Description	2018/19 Actual	2019/20 Budget	Changes from Actual 2018/19 to 2019/20 Budget	
Cash Balance				
<u>REVENUES:</u>				
Water Sales	\$ 5,365,105	\$ 2,301,554	\$ (3,063,551)	233%
Outside Water Sales	68,689	100,000	31,311	-100%
Other	652,634	719,240	66,606	91%
Interest	12,760	60,000	47,240	21%
Taxes - 1%	286,826	270,000	(16,826)	106%
FMV Gain/Loss - Securities	1,031	-	(1,031)	0%
Inc-Save-A-Can/Buy-A-Fish	747	-	(747)	-100%
Inc-Capacity Fees	35,008	-	(35,008)	-100%
Revenue - PFD	73,308	-	(73,308)	-100%
Total Revenues	6,496,107	3,450,794	(3,045,313)	188%
<u>EXPENDITURES:</u>				
Operating	4,990,364	5,311,705	321,341	94%
Pipeline	290,729	-	(290,729)	-100%
Debt Service	609,108	841,723	232,615	72%
PFD	8,414	-	(8,414)	-100%
Total Expenditures	5,898,615	6,153,427	254,813	96%
Increase/(Decrease) in Cash before Recovery, Debt Proceeds, and Capital Improvements	597,493	(2,702,633)	(3,300,126)	-452%
Debt Proceeds	-	-	-	0%
Increase/(Decrease) in Cash before Recovery and Capital Improvements	597,493	(2,702,633)	(3,300,126)	-452%
FEMA Reimbursements	1,217,402	2,625,000	1,407,598	46%
Insurance Proceeds	1,350,000	2,950,000	1,600,000	46%
State Funding	-	7,000,000	7,000,000	100%
Cash Available for Recovery/Capital Projects	2,567,402	12,575,000	10,007,598	
	3,164,895	9,872,367	6,707,472	312%
Capital/Recovery Projects	(2,378,529)	(3,425,000)	(1,046,471)	144%
Increase/(Decrease) in Cash	786,365	6,447,367	5,661,001	820%
Beginning Cash Balance	3,257,432	4,043,797		
Ending Cash Balance	4,043,797	10,491,164	6,447,367	259%

Description	2018/19 Actual	2018/19 Pre-Fire Budget	2018/19 Post-Fire Budget	2019/20 Budget
REVENUES:				
Water Sales	5,365,105	8,046,852	4,778,520	2,301,554
Outside Water Sales	68,689	111,183	68,689	100,000
Other	652,634	363,957	652,634	719,240
Interest	12,760	20,000	12,760	60,000
Taxes - 1%	286,826	240,000	240,000	270,000
FMV Gain/Loss - Securities	1,031	-	-	-
Inc-Save-A-Can/Buy-A-Fish	747	10,000	747	-
Inc-Capacity Fees	35,008	25,000	35,008	-
Revenue - PFD	73,308	120,000	120,000	-
Total Revenue	6,496,107	8,936,992	5,908,358	3,450,794
EXPENDITURES:				
Operating	4,990,364	5,318,014	5,318,014	5,311,705
Pipeline	290,729	992,489	992,489	-
Debt Service	609,108	963,307	963,307	841,723
Save a Can	-	10,000	10,000	-
PFD	8,414	200,000	191,586	-
Total Expenditures	5,898,615	7,483,810	7,475,396	6,153,427
Increase/(Decrease) in Cash before Recovery, Debt Proceeds, and Capital Improvements	597,493	1,453,182	(1,567,038)	(2,702,633)
Debt Proceeds	-	11,000,000	-	-
Increase/(Decrease) in Cash before Recovery and Capital Improvements	597,493	12,453,182	(1,567,038)	(2,702,633)
FEMA Reimbursements	1,217,402	-	1,217,402	2,625,000
Insurance Proceeds	1,350,000	-	1,350,000	2,950,000
State Funding	-	-	-	7,000,000
Cash Available for Recovery/Capital Projects	2,567,402	-	2,567,402	12,575,000
Cash Available for Recovery/Capital Projects	3,164,895	12,453,182	3,164,895	9,872,367
Capital/Recovery Projects	(2,378,529)	(13,045,000)	(2,378,529)	(3,425,000)
Increase/(Decrease) in Cash	786,365	(591,818)	786,365	6,447,367
Beginning Cash Balance	3,257,432	3,257,432	3,257,432	4,043,797
Ending Cash Balance	4,043,797	2,665,614	4,043,797	10,491,164

Revenue Sources

The majority of the District's revenue is generated from water sales. Water sales are broken into two major categories, service charges and consumption charges. Historically, service charges account for approximately 64% of total water sales. Due to the contamination of the distribution system caused by the 2018 Camp Fire, the District does not plan to charge for water consumption during FY 2019/20. Customers will be charged the readiness to serve rate, currently set at \$21.49 per month, until restored to potable service. Once restored to potable service, customers will return to the standard service charge.

Other sources of revenue include 1% property taxes, outside water sales, backflow installation and testing, fire flow testing, recreation and boating permits, rental property income, investment income, and escrow fees. Total revenue for the past 5 years, compared to FY 2019/20 estimates is shown below.



Revenue losses projected for FY 2019/20 are the result of a reduced customer base, decreased service rate, and loss of water consumption revenue as a result of the Camp Fire. The substantial decrease in revenue is projected to be compensated by California State backfill funding, insurance proceeds, and FEMA reimbursements. Estimated California State backfill funding projections are based on the final state budget allocation of \$15 million for agencies affected by 2018 California State fires. PID staff has been continuously working with the California State Department of Finance to finalize the PID portion of the allocated funds, which is estimated to be \$7 million based on a one year backfill request. FEMA reimbursement projections are based on estimated eligible recovery related expenditures for the 2019/20 fiscal year. Eligible estimated expenditures include materials for distribution system repair, mutual aid, water sampling, and engineering costs. Insurance proceeds projections are based on funds estimated to be received for insurance claims, including business interruption and replacement cost of damaged equipment.

The following chart provides a summary of total projected revenues for FY 2019/20 compared to prior year estimate and three years of actual historical revenues.

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2018/19 Actual	FY 2019/20 Estimate
<u>General Fund/Operating</u>					
Water - Service	4,397,207	4,871,781	5,148,252	3,755,354	2,295,054
Water - Consumption	2,629,210	3,070,573	2,833,600	1,587,485	-
Water - Fees & Adjustments	43,355	49,298	65,000	22,266	6,500
Outside Water Sales	110,874	115,728	111,183	68,689	100,000
Meter Revenue	31,915	15,225	10,000	265,156	511,300
Recreation & Boating Permits	38,814	39,789	29,707	22,778	10,000
Backflow Check	10,940	10,960	15,000	20,527	4,000
Rents	17,095	15,740	22,250	9,392	15,180
Revenue - Surplus Property	24,737	17,481	10,000	273,233	-
Escrow Fees	-	-	10,000	-	5,000
Annexation	2,140	546	-	-	-
Custom Work/PFD Reimbursement	94,780	200,000	150,000	15,125	173,760
Misc	52,591	30,602	117,000	46,424	-
Interest			1,600		-
Total Operating Income	7,453,658	8,437,722	8,523,592	6,086,428	3,120,794
<u>Special Revenue Fund</u>					
Capital Improvement Program					
Taxes - 1%	259,213	271,960	240,000	286,826	270,000
\$1 Surcharge for Capital Projects					
Interest	34,783	11,326	18,400	12,760	60,000
FMV Gain/Loss - Securities	187	(514)	-	1,031	-
Inc-Capacity Fees	57,262	39,414	25,000	35,008	-
RDA Reimbursement	-	-			
Grant	-	-			
Inc-Save-A-Can/Buy-A-Fish	6,622	8,351	10,000	747	-
Total Capital Improvement	358,067	330,538	293,400	336,371	330,000
<u>Debt Service Fund</u>					
Inc-Assessment Res (PID Share)	193,420	1,756	-	-	-
Interest	6,907	-	-	-	-
Total Debt Service	200,327	1,756	-	-	-
<u>Recovery Proceeds</u>					
State Backfill Funding	-	-	-	-	7,000,000
FEMA Reimbursements	-	-	-	1,217,402	2,625,000
Insurance Proceeds	-	-	-	1,350,000	2,950,000
Total Recovery Proceeds	-	-	-	2,567,402	12,575,000
<u>PFD</u>					
Revenue - PFD	122,794	124,037	120,000	73,308	-
PFD - Interest Income					
Total PFD	122,794	124,037	120,000	73,308	-
Total Revenue	8,134,846	8,894,053	8,936,992	9,063,509	16,025,794

Operating Budget

This section of the budget describes the individual department operating expenses from the context of the programs and services that each deliver. Programs and services are developed and adjusted annually to continue the advancement of the District's Strategic Plan. Short-term initiatives identified by the departments are included in the operating program budgets.

The District's operating budget funds day-to-day programs and functions and includes six main cost centers: Source of Supply, Security and Recreation, Water Treatment, Transmission and Distribution, Customer Service, and Administration. Major expense items in the operating program budget include salaries and benefits, materials and supplies, outside services, utilities, and insurance.

The majority of the District's operating expenses are salaries and benefits. Salaries and Benefits are 69% of the District's operating budget. As of the beginning of the fiscal year, the District employs 34 full-time employees. The District offers a quality benefit package to all full-time employees. The benefit package includes a defined contribution retirement plan, medical, dental and vision insurance for the employee and their family, life insurance, and long-term disability insurance. The District's retirement plan is defined contribution plan. The District contributes 9% of the employee's salary into their retirement plan every pay period. The District will also match up to 3% of the employee's voluntary retirement plan contribution. The projected operating cost for employees' salaries and benefits are based on the Memorandums of Understanding (MOU's) approved by the Board in 2014, however the MOU's are up for renegotiation in 2019.

The District's retirement plan is different than most California State government retirement plans. Those other State Government plans are called a defined benefit plan. Those plans give the employee a guaranteed annual payment after retirement based on years of service and salary. Those plans create an unknown liability for the government agency based on prior year returns from the account and based on the actuarial calculation.

Supplies and materials make up 15% of the operating budget. The main supplies and materials are water treatment chemicals and materials for distribution repairs.

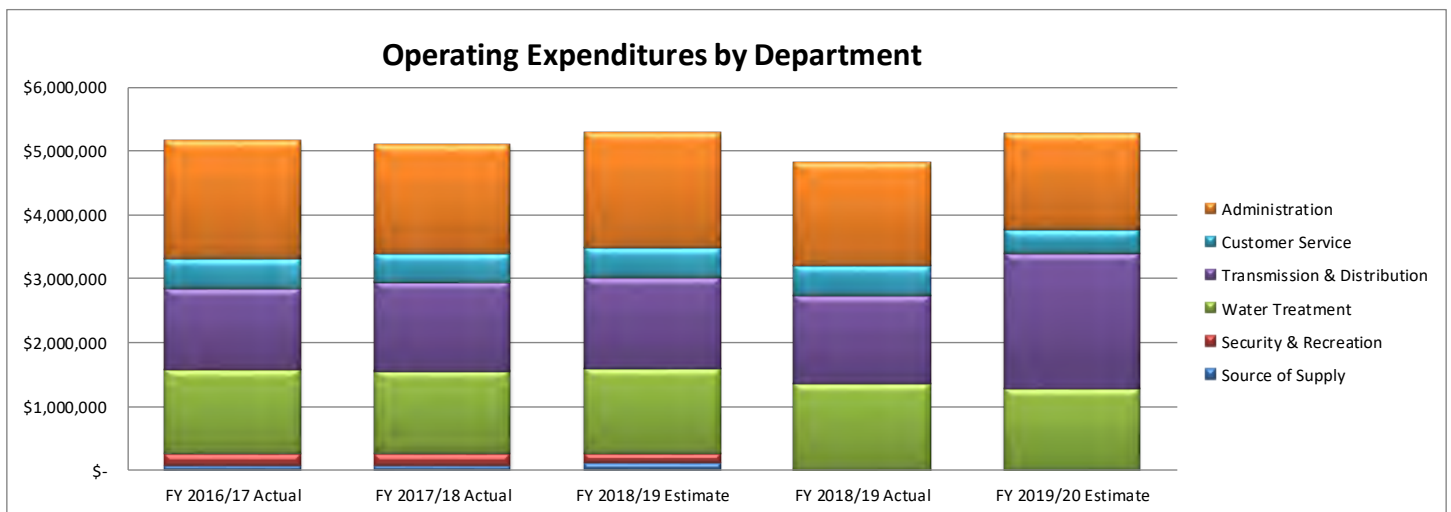
Outside services make up 8% of the operating budget. The main outside services are legal services, annual auditing services, and equipment repairs.

Utilities make up 6% of the operating budget and insurance makes up 2% of the operating budget.

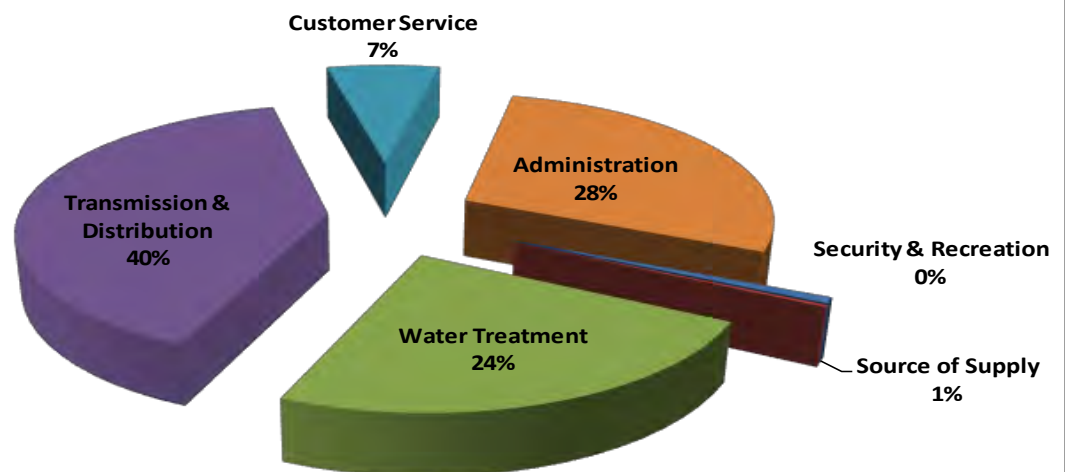
The following charts provide a summary of budgeted operating expenses by department and by category.

Operating Expenditures by Department

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2018/19 Actual	FY 2019/20 Estimate
Source of Supply	\$ 72,332	\$ 70,106	\$ 104,733	\$ 42,249	\$ 36,670
Security & Recreation	212,474	183,781	184,508	149,851	12,815
Water Treatment	1,318,268	1,298,068	1,348,434	1,351,173	1,266,139
Transmission & Distribution	1,271,476	1,391,655	1,410,272	1,368,444	2,121,712
Customer Service	465,059	460,766	468,173	476,051	370,542
Administration	1,840,661	1,688,136	1,801,894	1,602,596	1,503,826
Total Operating Expenditures	5,180,270	5,092,511	5,318,014	4,990,364	5,311,705



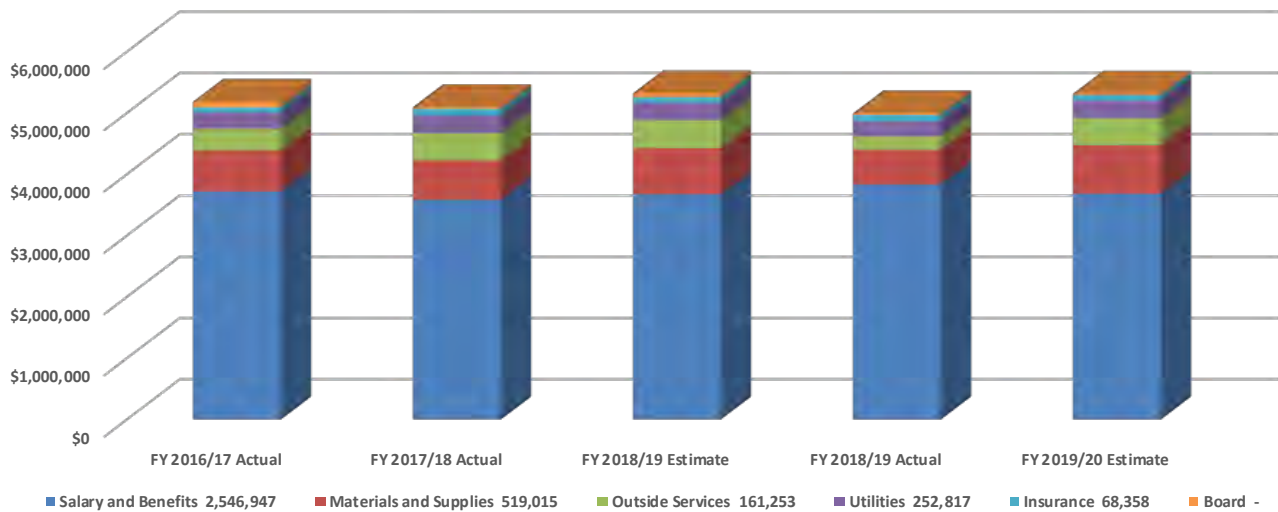
2019/20 Budgeted Expenditures by Department



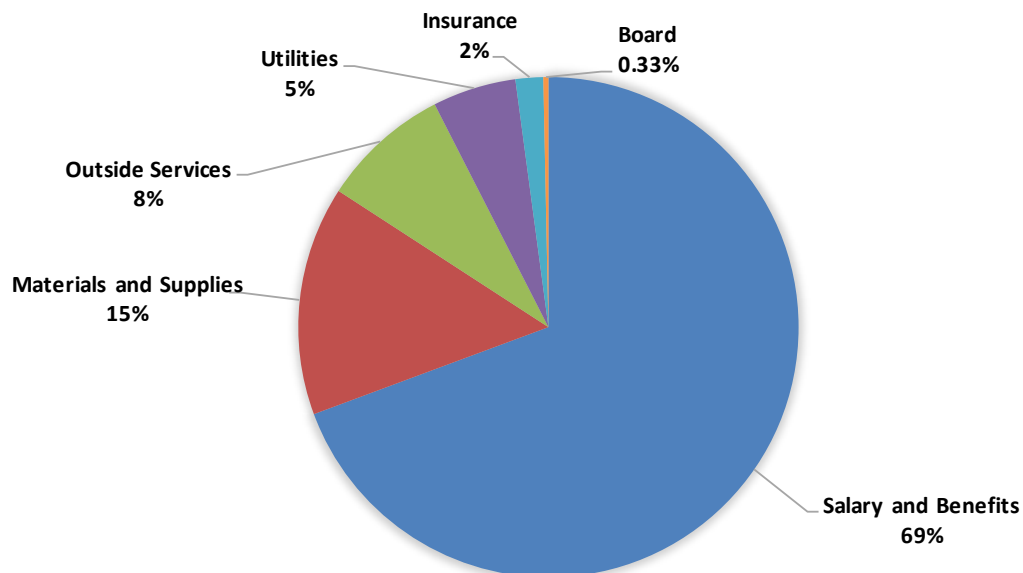
Operating Expenditures by Category

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2018/19 Actual	FY 2019/20 Estimate
Operational Summary					
Salary and Benefits	3,715,155	3,583,708	3,670,705	3,834,620	3,683,437
Materials and Supplies	669,902	641,180	752,500	568,531	787,100
Outside Services	358,722	442,291	455,320	216,443	442,120
Utilities	260,884	290,220	286,285	241,473	286,739
Insurance	86,488	111,642	92,155	107,607	94,909
Board	89,120	23,471	61,049	21,691	17,400
Total Operating Expense	5,180,270	5,092,511	5,318,014	4,990,364	5,311,705

Operating Expenditures By Category



2019/20 BUDGETED EXPENDITURES BY CATEGORY



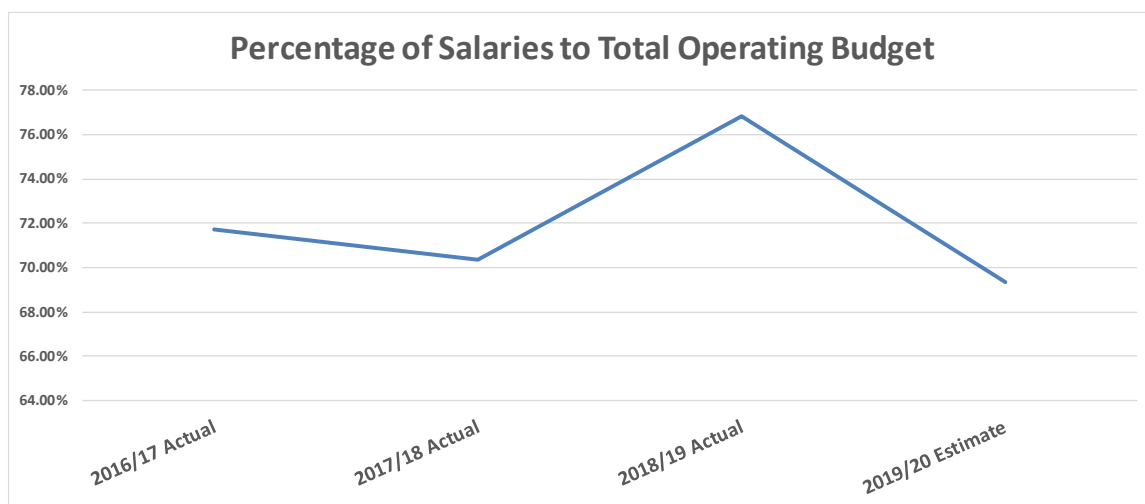
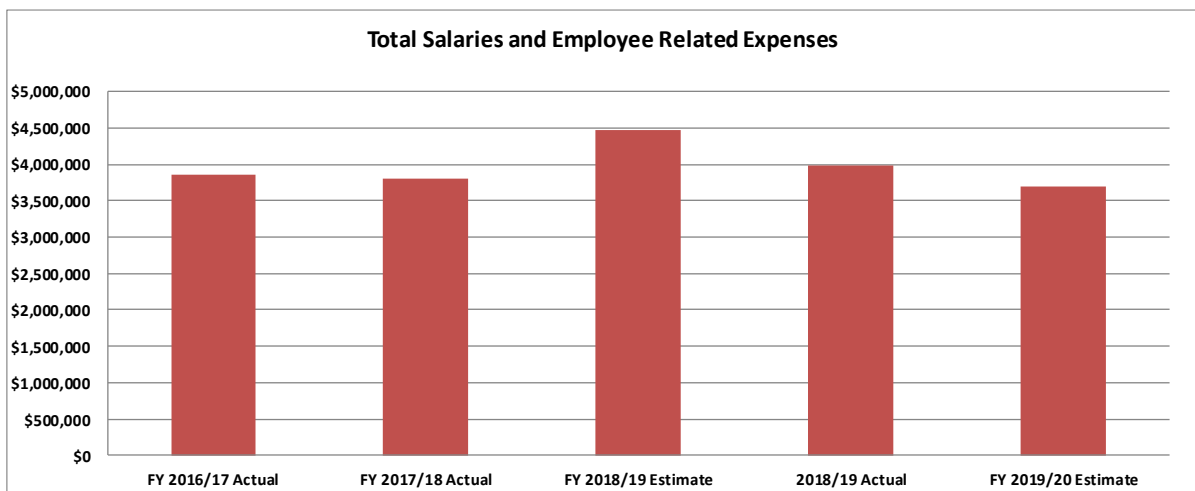
	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2018/19 Actual	FY 2019/20 Estimate
<u>Source of Supply</u>					
Salary and Benefits	1,134	-	8,383	3,568	-
Materials and Supplies	58,344	55,247	55,000	29,461	26,500
Outside Services	8,387	9,138	30,070	3,926	7,070
Utilities	3,666	5,229	10,600	5,294	3,100
Insurance	800	492	680	-	-
Total Source and Supply	72,332	70,106	104,733	42,249	36,670
<u>Security & Recreation</u>					
Salary and Benefits	192,704	173,017	159,277	143,483	-
Materials and Supplies	1,237	1,494	7,900	554	4,200
Outside Services	5,450	1,427	5,800	1,925	4,350
Utilities	10,598	6,314	8,400	3,890	2,700
Insurance	2,486	1,530	3,131	-	1,565
Total Security & Recreation	212,474	183,781	184,508	149,851	12,815
<u>Water Treatment</u>					
Salary and Benefits	947,798	932,485	905,894	1,006,757	791,949
Materials and Supplies	191,014	183,223	207,900	196,599	231,900
Outside Services	22,381	23,262	63,500	29,931	71,250
Utilities	137,303	146,929	153,400	117,886	153,300
Insurance	19,773	12,168	17,740	-	17,740
Total Water Treatment	1,318,268	1,298,068	1,348,434	1,351,173	1,266,139
<u>Transmission & Distribution</u>					
Salary and Benefits	998,301	1,103,566	1,061,394	1,117,209	1,689,933
Materials and Supplies	176,836	191,972	228,200	168,200	289,500
Outside Services	23,688	21,988	29,400	18,567	34,900
Utilities	56,603	64,252	64,500	64,467	80,600
Insurance	16,048	9,876	26,778	-	26,778
Total Transmission and Distribution	1,271,476	1,391,655	1,410,272	1,368,444	2,121,712
<u>Customer Service</u>					
Salary and Benefits	448,304	453,206	430,837	467,799	341,606
Materials and Supplies	6,497	27	8,400	5,132	7,000
Outside Services	4,267	3,847	17,000	3,121	10,000
Insurance	5,991	3,687	11,936	-	11,936
Total Customer Service	465,059	460,766	468,173	476,051	370,542
<u>Administration</u>					
Salary and Benefits	1,126,914	921,433	1,104,921	1,095,804	859,948
Materials and Supplies	235,975	209,216	245,100	168,585	228,000
Outside Services	294,550	382,630	309,550	158,974	314,550
Utilities	52,714	67,496	49,385	49,935	47,039
Insurance	41,389	83,889	31,890	107,607	36,890
Board	89,120	23,471	61,049	21,691	17,400
Total Administration	1,840,661	1,688,136	1,801,894	1,602,596	1,503,826

Labor Analysis

Personnel cost is the largest cost associated with running the day to day operations of the District. Personnel cost is made up of salaries and employee-related expenses. Personnel costs are 69% of the total 2019/20 budgeted expenditures. Employee-related expenses are a large portion of personnel expenses.

Employee-related expenses are a large portion of total personnel expenses. Employee-related expenses include retirement, medical, dental, vision, long-term disability, life, workers compensation insurance, and employee-related taxes. Employee-related expenses average 55% of salaries.

The District has listed all costs associated with employment for each position to be transparent to the public.



Budgeted Salaries and Benefits FY 2019/20

	Salaries	Overtime	Retirement	Health Benefits	FICA, W/C, & LTD	TOTAL SALARIES AND BENEFITS
CONTRACT						
General Manager	162,240	-	25,147	27,986	22,778	238,151
Finance and Accounting Manager	78,000	-	9,360	10,749	10,951	109,060
MANAGEMENT						
Treatment Plant Superintendent	106,062	-	12,727	27,986	14,891	161,666
Superintendent	93,861	52,000	17,503	27,986	20,479	211,829
Asst Engineer - Vacant	-	-	-	-	-	-
Treatment Plant Operations Supervisor - Vacant	-	-	-	-	-	-
Asst Superintendent	71,342	-	8,561	27,986	10,016	117,906
Office Manager	76,123	-	9,135	27,986	10,688	123,931
District Secretary	76,780	-	9,214	10,749	10,780	107,523
IT Manager	72,121	-	8,655	27,986	10,126	118,887
UNION						
Customer Service Representative	31,738	-	3,809	27,986	4,456	67,989
Accounting Technician	40,747	-	4,890	27,986	5,721	79,344
Temporary Customer Service Representative	28,373	-	-	-	-	28,373
District Plant and Facility Maintenance Technician	53,794	-	6,455	27,986	7,553	95,787
Engineering Drafter - Vacant	-	-	-	-	-	-
Lake Patrol - Vacant	-	-	-	-	-	-
Mechanic	67,663	-	8,120	27,986	9,500	113,269
Meter Serviceperson	61,992	-	7,439	27,986	8,704	106,121
Meter Supervisor	70,627	-	8,475	10,749	9,916	99,767
Sr. Customer Service Representative - Vacant	-	-	-	-	-	-
Utility Billing Technician	54,330	-	6,520	21,476	7,628	89,954
Utility Crew Leader	45,146	3,131	5,793	27,986	6,778	88,833
Utility Crew Leader	48,823	3,386	6,265	27,986	7,330	93,790
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 1	38,072	3,802	5,025	27,986	5,879	80,764
Utility Worker 2	47,697	-	5,724	27,986	6,697	88,103
Utility Worker 2	41,360	2,868	5,307	10,749	6,210	66,494
Utility Worker 2	41,360	2,868	5,307	27,986	6,210	83,731
Warehouse Person	64,851	-	7,782	27,986	9,105	109,724
Water Quality Technician	66,201	-	7,944	27,986	9,295	111,426
Water Treatment Plant Operator 3	77,862	16,500	11,323	10,749	13,248	129,683
Water Treatment Plant Operator 4	77,862	16,500	11,323	27,986	13,248	146,920
Water Treatment Plant Operator 4	77,862	16,500	11,323	21,476	13,248	140,410
Water Treatment Plant Operator 5	86,301	16,500	12,336	27,986	14,433	157,556
Meter Serviceperson	41,404	-	4,968	27,986	5,813	80,171
						-
						-
						-
						-
						-
Directors						
Division 1	2,400	-	-	21,391	337	24,128
Division 2	-	-	-	10,727	-	10,727
Division 3	-	-	-	-	-	-
Division 4	-	-	-	-	-	-
Division 5	-	-	-	-	-	-
TOTAL	2,093,359	153,062	271,556	856,446	311,414	3,685,837

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	2018/19 Actual	FY 2019/20 Estimate
Source of Supply					
Salary	-	-	5,070	2,862	-
Overtime	916	-	53	-	-
Employee Related Expense	219	-	3,260	707	-
Total Source and Supply	1,134	-	8,383	3,568	-
Security & Recreation					
Salary	119,195	103,942	96,321	82,887	-
Overtime	854	1,231	1,012	5,150	-
Employee Related Expense	72,655	67,843	61,945	55,446	-
Total Security & Recreation	192,704	173,017	159,277	143,483	-
Water Treatment					
Salary	605,833	585,868	563,139	639,147	459,051
Overtime	68,551	59,631	66,000	74,815	66,000
Employee Related Expense	273,414	286,985	276,754	292,795	266,898
Total Water Treatment	947,798	932,485	905,894	1,006,757	791,949
Transmission & Distribution					
Salary	645,006	693,402	672,091	698,999	878,837
Overtime	449	1,174	4,041	57,802	87,062
Employee Related Expense	352,846	408,991	385,262	360,407	724,035
Total Transmission and Distribution	998,301	1,103,566	1,061,394	1,117,209	1,689,933
Customer Service					
Salary	290,005	284,974	263,731	289,132	205,805
Overtime	-	492	-	7,248	-
Employee Related Expense	158,299	167,741	167,106	171,419	135,802
Total Customer Service	448,304	453,206	430,837	467,799	341,606
Administration					
Salary	763,897	613,722	738,885	782,040	549,667
Overtime	3,925	4,624	-	31,335	-
Employee Related Expense	359,092	303,087	366,035	282,429	312,681
Total Administration	1,126,914	921,433	1,104,921	1,095,804	862,348
Pipeline					
Salary	89,540	139,181	484,291	91,460	-
Overtime	-	63	6,062	63	-
Employee Related Expense	46,006	74,682	301,281	66,089	-
Total Pipeline	135,546	213,926	791,634	157,612	-
Salary	2,513,476	2,421,089	2,823,528	2,586,526	2,093,359
Overtime	74,695	67,215	77,167	176,413	153,062
Employee Related Expense	1,262,530	1,309,329	1,561,644	1,229,293	1,439,416
Total Personnel Cost	3,850,701	3,797,633	4,462,340	3,992,231	3,685,837
Employee Related Expense as % of Salaries	48.78%	52.62%	53.84%	44.49%	64.08%

Employee Related Expenses

The District offers three medical plans, dental, vision, long-term disability, and life insurance. Each employee can select a medical insurance program that covers their whole family. The District has capped the total monthly premium at three different levels. For the IBEW employees, the District contributes \$829.99 per month for the employee only plan, \$1,691.05 per month for a couple, and \$2,183.00 per month for a family. This cap applies to all three plans. If the insurance premium exceeds the cap the employee is responsible to pay the additional amount. For the management employees, the District contributes \$797.16 per month for the employee only plan, \$1,623.80 per month for a couple, and \$2,096.17 per month for a family.

The District also offers a deferred compensation plan. The District contributes 9% of the employee's salary in a 457 retirement plan. The District will match an additional 3% of the employee's voluntary contribution into their retirement plan.

	FY 2016/17 Actual	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2018/19 Actual	FY 2019/20 Estimate
Insurance					
Medical	597,341	647,518	759,961	577,609	802,720
Dental	32,262	33,227	38,913	26,763	40,305
Vision	8,084	8,124	9,943	6,538	8,488
Long-Term Disability	9,814	10,858	11,313	10,585	8,650
Life	5,773	6,311	5,904	5,896	4,933
Workers Compensation	121,902	127,995	174,042	122,662	133,083
Retirement	286,753	274,010	339,665	262,500	271,556
FICA/Medicare Tax	200,525	201,287	221,903	218,904	169,681
Total	1,262,455	1,309,329	1,561,644	1,231,456	1,439,416
Source of Supply	219	-	3,260	707	-
Security & Recreation	72,655	67,843	61,945	55,446	-
Water Treatment	273,414	286,985	276,754	292,795	266,898
Transmission & Distribution	352,846	408,991	385,262	360,407	724,035
Customer Service	158,299	167,741	167,106	171,419	135,802
Administration	359,092	303,087	366,035	282,429	312,681
Capital	46,006	74,682	301,281	66,089	-
Total	1,262,530	1,309,329	1,561,644	1,229,293	1,439,416

Note: All totals are net of employee's portion of the expense.

Recovery Summary

The District's distribution system experienced substantial damage as a result of depressurization during the Camp Fire in November of 2018. The District began efforts to recover the distribution system shortly after the Camp Fire and has continued these efforts throughout the 2018/19 fiscal year. The primary goal of these recovery efforts during FY 2018/19 included re-pressurizing the distribution system, identifying the source and extent of damage, and developing a recovery plan in response to the damage identified. The District plans to continue to update and follow this recovery plan through fiscal year 2019/20 in an effort to return customers to potable service. Recovery related expenditures during fiscal year 2019/20 are expected to consist primarily of water sampling, leak detection/repair, service lateral replacement/repair, and engineering cost associated with recovery efforts. Additionally, the District has contracted with a Public Assistance consultant to assist with FEMA/CalOES reimbursements and insurance claims throughout the recovery process. These consulting costs are also captured within this section of the budget.

Recovery Expenditure Projection

The projection of recovery expenditures is difficult due to the dynamic nature of the recovery plan and unknown extent of damage. The costs below are estimated based on actual costs incurred during fiscal year 2018/19 and planned recovery efforts outlined in the Recovery Plan.

- Supplies and services consist of construction cost associated with the repair of the distribution system.
- Professional services/engineering consist of engineering cost, mutual aid support, legal fees, and public assistance contracting costs.
- Water sampling costs are estimated based on the number of water samples expected to be completed during fiscal year 2019/20.

	FY 2018/19 Actual	FY 2019/20 Estimate
<u>Materials and Supplies</u>		
Supplies and Services	714,209	750,000
<u>Outside Services</u>		
Professional Services/Engineering	1,456,587	2,425,000
Water Sampling	-	250,000
	2,170,796	3,425,000

Recovery related contracts and invoices, paid as of the beginning of the fiscal year, are summarized below.

		Total Contract/Invoice		
Contracts		Price	Total Paid	Remaining
Water Works Engineers	Project Management Services	1,000,000.00	207,322.43	792,677.57
APTIM	Public Assistance Services	1,000,000.00	-	1,000,000.00
American Technologies, Inc.	Smoke Cleaning	393,858.34	200,773.52	
Firestorm	Arborist Services	26,880.00	7,500.00	19,380.00
		TOTAL OUTSTANDING OBLIGATIONS		<u>1,812,057.57</u>

Debt Service

The Debt Service Budget for the District in FY 2019/20 is presented in this section. District debt service is a non-operating expense item of the budget, which includes principal and interest payment associated with the original loan.

Loan Name	FY 2015/16 Actual Total Payments	FY 2016/17 Actual Total Payments	FY 2017/18 Actual Total Payments	FY 2018/19 Estimated Total Payments	FY 2018/19 Actual Total Payments	Estimated 2019/20
Davis Grunsky	180,728	182,743	-	-	-	-
IBANK	130,311	130,276	130,240	130,202	130,202	-
Private Placement Loan	267,604	-	-	-	-	-
2009 COP's	616,594	614,694	538,047	-	-	-
2016 Private Placement (Refi)	-	243,426	244,874	244,325	148,325	246,002
2017 Private Placement (Refi)	-	-	75,192	588,780	330,580	595,721
New Debt	-	-	-	-	-	-
Total	1,195,238	1,171,139	988,353	963,307	609,108	841,723

CURRENT OUTSTANDING DEBT

Loan	Initial Year	Capital Project
2017 Private Placement (Refi)	2017	Meter Replacement Project
IBANK	2007	Magalia Bypass
2016 Private Placement (Refi)	2016	Billie Road Pipeline, SCADA, & Corp Yard

TOTAL DEBT AS OF THE BEGINNING OF BUDGET YEAR

Fiscal Years	Davis Grunsky	DWR	2001 Bond Refunding	2017 Refinance	IBANK	Private Placement Loan	2009 COP's	2011 Refinance	TOTAL
2010/11	1,182,329	1,787,094	3,460,000	-	1,845,511	3,296,177	5,720,000	-	17,291,111
2011/12	1,024,691	1,484,780	-	-	1,765,043	3,180,516	5,640,000	1,685,300	14,780,330
2012/13	863,451	1,172,870	-	-	1,682,346	3,059,415	5,555,000	1,130,500	13,463,582
2013/14	698,521	850,810	-	-	1,597,357	2,932,616	5,470,000	569,000	12,118,304
2014/15	529,806	518,508	-	-	1,510,015	2,799,852	5,385,000	-	10,743,181
2015/16	357,213	-	-	-	1,420,254	2,660,843	4,985,000	-	9,423,310
2016/17	180,559	-	-	-	1,328,006	2,515,296	4,570,000	-	8,593,861
2017/18	-	-	-	3,361,900	1,233,202	2,362,901	-	-	6,958,003
2018/19	-	-	-	3,308,000	1,135,773	2,203,338	-	-	6,647,111
2019/20	-	-	-	3,049,900	1,035,645	2,156,000	-	-	6,241,545

California Infrastructure and Economic Development Bank

	<u>Original</u>	<u>2019 Refinance</u>
Note number:	CIEDB 07-077	
Debt Service Title:	IBANK	
Capital Projects:	Magalia Bypass	
Initial Year:	2007	
Final Year:	September 1, 2027	September 1, 2032
Original Borrowing Amount:	\$2,000,000	
Length of Loan:	20 years	25 years
Interest Rate:	2.77%	1.00 %
Annual Payment:	Various	Various
Current Balance:	\$1,233,202	\$1,053,395
FY 2019/20 Payment	\$133,271	\$0

Date	Balance	Interest	Principal	Principal & Interest Payment	Annual Fee	Total Payment
9/1/2009	1,923,811	26,645	78,300	104,944	5,771	110,716
2/1/2010	1,845,511	25,560	-	25,560	-	25,560
9/1/2010	1,845,511	25,560	80,468	106,029	5,537	111,565
2/1/2011	1,765,043	24,446	-	24,446	-	24,446
9/1/2011	1,765,043	24,446	82,697	107,143	5,295	112,438
2/1/2012	1,682,346	23,300	-	23,300	-	23,300
9/1/2012	1,682,346	23,300	84,988	108,289	5,047	113,336
2/1/2013	1,597,358	22,123	-	22,123	-	22,123
9/1/2013	1,597,358	22,123	87,342	109,466	4,792	114,258
2/1/2014	1,510,015	20,914	-	20,914	-	20,914
9/1/2014	1,510,015	20,914	89,762	110,675	4,530	115,205
2/1/2015	1,420,254	19,671	-	19,671	-	19,671
9/1/2015	1,420,254	19,671	92,248	111,919	4,261	116,179
2/1/2016	1,328,006	18,393	-	18,393	-	18,393
9/1/2016	1,328,006	18,393	94,803	113,196	3,984	117,180
2/1/2017	1,233,202	17,080	-	17,080	-	17,080
9/1/2017	1,233,202	17,080	97,429	114,509	3,700	118,209
2/1/2018	1,135,773	15,730	-	15,730	-	15,730
9/1/2018	1,135,773	15,730	100,128	115,859	3,407	119,266
2/1/2019	1,035,645	14,344	-	14,344	-	14,344
9/1/2019	1,053,395	-	-	-	-	-
2/1/2020	1,053,395	-	-	-	-	-
9/1/2020	1,053,395	-	-	-	-	-
2/1/2021	1,053,395	-	-	-	-	-
9/1/2021	1,053,395	-	-	-	-	-
2/1/2022	1,053,395	-	-	-	-	-
9/1/2022	1,053,395	-	-	-	-	-
2/1/2023	1,053,395	-	-	-	-	-
9/1/2023	1,053,395	-	-	-	-	-
2/1/2024	1,053,395	-	-	-	-	-
9/1/2024	1,053,095	-	91,044	91,044	-	91,044
2/1/2025	962,051	4,810	-	4,810	-	4,810
9/1/2025	962,051	4,810	91,955	96,765	2,886	99,651
2/1/2026	870,096	4,350	-	4,350	-	4,350
9/1/2026	870,096	4,350	92,874	97,225	2,610	99,835
2/1/2027	777,222	3,886	-	3,886	-	3,886
9/1/2027	777,222	3,886	93,803	97,689	2,332	100,021
2/1/2028	683,419	3,417	-	3,417	-	3,417
9/1/2028	683,419	3,417	94,741	98,158	2,050	100,208
2/1/2029	588,677	2,943	-	2,943	-	2,943
9/1/2029	588,677	2,943	95,689	98,632	1,766	100,398
2/1/2030	492,989	2,465	-	2,465	-	2,465
9/1/2030	492,989	2,465	96,645	99,110	1,479	100,589
2/1/2031	396,344	1,982	-	1,982	-	1,982
9/1/2031	396,344	1,982	97,612	99,594	1,189	100,783
2/1/2032	298,732	1,494	-	1,494	-	1,494
9/1/2032	298,732	1,494	98,588	100,082	896	100,978
2/1/2033	200,144	1,001	-	1,001	-	1,001
9/1/2033	200,144	1,001	99,574	100,575	600	101,175
2/1/2034	100,570	503	-	503	-	503
9/1/2034	100,570	503	100,570	101,072	302	101,374

2016 Private Placement Loan

Note number:
 Debt Service Title: Private Placement Loan (Refi)
 Capital Projects: Billie Pipeline Project
 SCADA
 Corporation Yard
 Initial Year: 2016
 Final Year: Nov 1, 2028
 Original Borrowing Amount: \$2,640,000
 Length of Loan: 13 years
 Interest Rate: 2.42%
 Annual Payment: \$244,325
 Current Balance: \$2,345,000
 FY 2019/20 Payment \$246,001.50

Date	Balance	Interest	Principal	Principal & Interest Payment
8/31/2016	2,640,000			
11/1/2016	2,640,000	10,825	111,000	121,825.47
5/1/2017	2,529,000	30,601	91,000	121,600.90
11/1/2017	2,438,000	29,500	93,000	122,499.80
5/1/2018	2,345,000	28,375	94,000	122,374.50
11/1/2018	2,251,000	27,237	95,000	122,237.10
5/1/2019	2,156,000	26,088	-	26,087.60
11/1/2019	2,156,000	26,088	97,000	123,087.60
5/1/2020	2,059,000	24,914	98,000	122,913.90
11/1/2020	1,961,000	23,728	99,000	122,728.10
5/1/2021	1,862,000	22,530	101,000	123,530.20
11/1/2021	1,761,000	21,308	102,000	123,308.10
5/1/2022	1,659,000	20,074	103,000	123,073.90
11/1/2022	1,556,000	18,828	104,000	122,827.60
5/1/2023	1,452,000	17,569	106,000	123,569.20
11/1/2023	1,346,000	16,287	107,000	123,286.60
5/1/2024	1,239,000	14,992	108,000	122,991.90
11/1/2024	1,131,000	13,685	109,000	122,685.10
5/1/2025	1,022,000	12,366	111,000	123,366.20
11/1/2025	911,000	11,023	112,000	123,023.10
5/1/2026	799,000	9,668	114,000	123,667.90
11/1/2026	685,000	8,289	115,000	123,288.50
5/1/2027	570,000	6,897	116,000	122,897.00
11/1/2027	454,000	5,493	118,000	123,493.40
5/1/2028	336,000	4,066	119,000	123,065.60
11/1/2028	217,000	2,626	217,000	219,625.70

2017 Private Placement Loan

Note number:
Debt Service Title: 2018 Private Placement (Refi)
Capital Projects: Meter Replacement Project
Initial Year: 2017
Final Year: Oct 1, 2024
Original Borrowing Amount: \$3,361,900
Length of Loan: 7 years
Interest Rate: 2.28%
Annual Payment: Various
Current Balance: \$3,308,000
FY 2019/20 Payment \$595,721

Date	Balance	Interest	Principal	Principal & Interest Payment
12/21/2017	3,361,900			
4/1/2018	3,361,900	21,292	53,900	75,192.03
10/1/2018	3,308,000	37,711	258,100	295,811.20
4/1/2019	3,049,900	34,769	-	34,768.86
10/1/2019	3,049,900	34,769	264,600	299,368.86
4/1/2020	2,785,300	31,752	264,600	296,352.42
10/1/2020	2,520,700	28,736	270,600	299,335.98
4/1/2021	2,250,100	25,651	270,600	296,251.14
10/1/2021	1,979,500	22,566	276,000	298,566.30
4/1/2022	1,703,500	19,420	534,200	553,619.90
10/1/2022	1,169,300	13,330	280,700	294,030.02
4/1/2023	888,600	10,130	280,600	290,730.04
10/1/2023	608,000	6,931	287,000	293,931.20
4/1/2024	321,000	3,659	287,000	290,659.40
10/1/2024	34,000	388	34,000	34,387.60



PARADISE IRRIGATION DISTRICT

TO: Board of Directors

FROM: Kevin Phillips, District Manager

DATE: 8/16/2019

RE: Lake House
08/21/2019 Board of Directors Meeting

The District currently owns a modular house at Paradise Lake where the Lake Patrolman resided for over 15 years. The lake patrol employee retired on July 19, 2019. Currently, the District has made the decision to leave this position vacant. We are in the process of negotiating a Memorandum of Understanding (MOU) with the Paradise Recreation and Park District to take over management of the lake recreation. We are anticipating this agreement will come before the Board in the next couple of months and if agreed upon, the transition would be effective January 1, 2020. Part of the agreement would include the use of the house at the lake.

We understand that there is a housing shortage in the area and being able to offer the house to one of our employees would help. As a government agency, the District is unable to make a gift of public funds to employees. The District is required to charge the fair market value of housing. Staff reached out to CB properties for an estimated fair market value of rent and contacted ACWA-JPIA to confirm insurance requirements for someone living at the house.

JPIA Liability Requirements:

- a) Require a tenant lease agreement
- b) Typical Responsibility of Landlord to maintain home and owned property surroundings.
- c) Require the tenant to maintain a Renters Policy with a million dollar liability limit naming PID a Loss Holder (Could be very pricey)

CB Properties:

Ballpark Fair Market Rental Value \$1300/mo

If the Board desires to pursue a tenant lease agreement for the house at Paradise Lake, the recommended form of motion may be:

"I move to authorize staff to proceed with a property management agreement with CB Properties to lease the modular house at Paradise Lake in the amount of \$_____ per month subject to JPIA liability requirements and legal review."



PARADISE IRRIGATION DISTRICT

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

DATE: August 15, 2019
TO: Board of Directors
FROM: Kevin Phillips, District Manager
Georgeanna Borrayo, District Secretary
SUBJECT: Director Vacancy – Division 5
08/21/2019 Board of Directors Meeting

Background – Filling Vacancies:

A list of events causing vacancy in office is set forth in Government Code section 1770. Among other events, a vacancy occurs upon the resignation of a board member. The following is a letter of resignation from Director Bob Prevot effective August 15, 2019.

The requirements for filling the vacancy are as follows:

- The District must notify the county elections official within 15 days of the date of vacancy, or by August 30, 2019.
- The remaining members of the district board can fill the vacancy by appointment or by calling an election within 60 days of the vacancy. If no action is taken for a period of 60 days immediately subsequent to a vacancy on such a board, the Board of Supervisors shall have the authority to fill the vacancy by appointment. Although rarely utilized, the law does provide for an alternative appointment in that the PID board may call for an election to fill the vacancy in lieu of appointment. The obligation to call an election becomes mandatory if the seat remains vacant for 90 days. (Gov. Code § 1780, subdivision (g)(1).)
- If the vacancy is filled by appointment, the person appointed shall serve until the next general election in November 2020, and thereafter until the person elected to fill the vacancy assumes office in December 2020.

Staff recommendation would be to issue a press release after the Board meeting announcing the vacancy and encouraging residents of Division 5 to apply with an appointment possible at the September Board meeting. A notice of vacancy must be posted in three or more conspicuous locations at least 15 days before an appointment to fill the vacancy can be made.

August 15, 2019

To: Mark Sulik, Board President

From: Bob Prevot

Subject: Resignation from PID Board

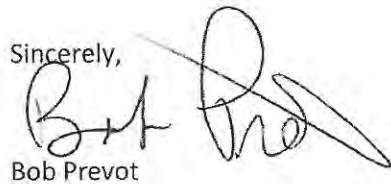
Dear Mark,

My wife and I have decided that we will not be rebuilding on our lot in Paradise. It may be a possibility in the future, but we have settled in Cottonwood for now and will "see how things go." We are keeping our lot in case we change our mind. Effective immediately, I am resigning my position as Vice-President of the Paradise Irrigation District Board of Directors.

I have enjoyed my experience with fellow board members and the amazing staff of PID. The road ahead is full of challenges and I am confident that the PID staff and Board will rise to the occasion.

Thank you for the opportunity to serve our wonderful community of Paradise.

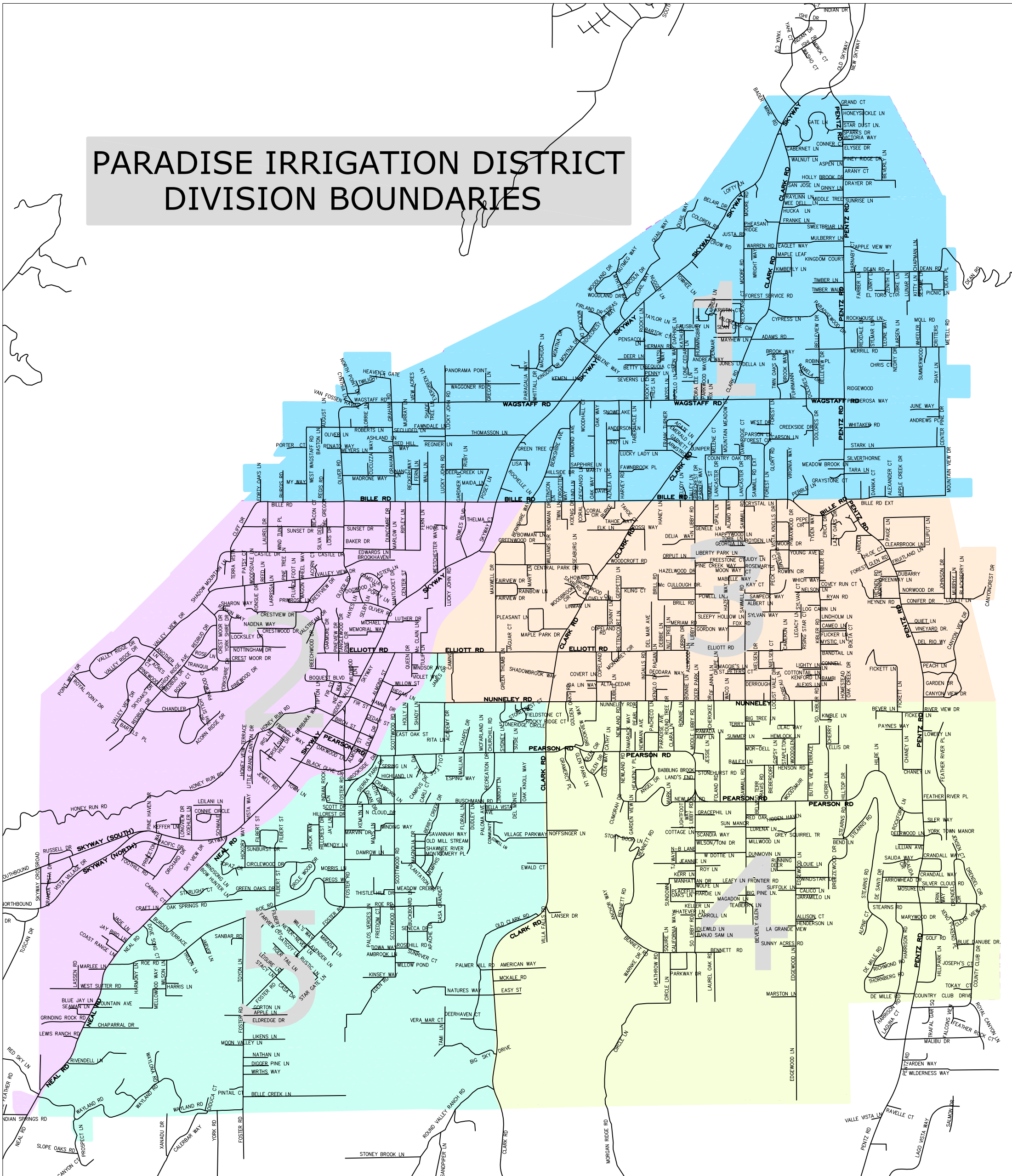
Sincerely,

A handwritten signature in black ink, appearing to read 'Bob Prevot', with a large, sweeping flourish extending to the right.

Bob Prevot

District 5 Director

PARADISE IRRIGATION DISTRICT DIVISION BOUNDARIES



RESOLUTION NO. 2019-08

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE PARADISE IRRIGATION DISTRICT IN APPRECIATION FOR THE
MUTUAL AID SUPPORT PROVIDED BY WATER AGENCIES AND VOLUNTEER
ORGANIZATIONS THAT HAVE ASSISTED THE DISTRICT IN ITS
RECOVERY EFFORTS FOLLOWING THE CAMP FIRE THAT OCCURRED
IN BUTTE COUNTY ON NOVEMBER 8, 2018

The Paradise Irrigation District does hereby resolve as follows:

WHEREAS, Paradise Irrigation District (PID), which provides drinking water to the homes and businesses within the Town of Paradise, was severely impacted by the unprecedented magnitude of the devastation following the Camp Fire in Butte County on November 8, 2018; and

WHEREAS, since the disaster, PID's 10,500 customers have been under a water advisory due to the fire-induced volatile organic compound contamination of water mains and service laterals; and

WHEREAS, PID's recovery effort is focused on testing system components to determine contamination and if effected by contamination, replacing damaged infrastructure; and

WHEREAS, in collaboration with other agencies via the California Water Agency Response Network (CalWARN) Mutual Aid Program and through partnerships with volunteer organizations, multiple water agencies and organizations have graciously responded by providing the mutual aid of personnel, equipment, time, and materials; and

WHEREAS, the assistance provided to Paradise Irrigation District and its customers has been invaluable in the response and recovery process; and

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Paradise Irrigation District expresses its sincere gratitude and appreciation to all agencies and volunteer organizations set forth in Attachment 1 in recognition of the support provided in helping the District make significant progress on the recovery and rebuilding efforts of its water distribution system.

PASSED AND ADOPTED this ____ day of August 2019 by the following vote at a regular meeting of the Board of Directors.

AYES:
NOES:
ABSENT:

PARADISE IRRIGATION DISTRICT

Marc Sulik, President

ATTEST:

Georgeanna Borrayo, Secretary

PARADISE IRRIGATION DISTRICT
RESOLUTION NO. 2019-08
ATTACHMENT 1

The Paradise Irrigation District does hereby recognize the following mutual aid partners and volunteer organizations:

- ❖ Alameda County Water District
- ❖ Alliance for Workforce Development
- ❖ California Water Service Company
- ❖ City of Healdsburg Water Department
- ❖ Cobb Area Water District
- ❖ Convoy of Hope
- ❖ Crystal Geyser
- ❖ Helix Water District
- ❖ Lower Lake County Waterworks District
- ❖ Mesa Water District
- ❖ Nestle Waters
- ❖ Nevada Irrigation District
- ❖ Padre Dam Water District
- ❖ Primo Water
- ❖ Rancho California Water District
- ❖ San Francisco Water Department
- ❖ South Feather Water & Power Agency
- ❖ South San Joaquin Irrigation District
- ❖ Team Rubicon
- ❖ The Paradise Hope Center
- ❖ Websoft Developers, Inc.