

AMADOR WATER AGENCY

Board of Directors

Regular Meeting

12800 Ridge Road, Sutter Creek, CA 95685

February 27, 2020

9:00 a.m.

BOARD OF DIRECTORS

Rich Farrington, President	District 3
Susan Peters, Vice President	District 4
Paul Molinelli Jr., Director	District 1
Gary Thomas, Director	District 2
Randy Livingston, Director	District 5

Please Note: Members of the public will have the opportunity to directly address the Agency Board of Directors concerning any item listed on the Agenda below before or during consideration of that item.

There is a three minute time limit per person

The Board President may take items out of order to accommodate the public or to promote the order of the meeting.

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. ADDITIONS TO AGENDA

- a. Items added to the agenda must be approved by the Board pursuant to Government Code Section 54954.2

3. PUBLIC COMMENT FOR MATTERS NOT ON THE AGENDA

A. Discussion items only, no action to be taken. Any person may address the Board at this time upon any subject within the jurisdiction of Amador Water Agency; however, any matter that requires action will be referred to Staff for a report and action at a subsequent Board meeting. Please note there is a three (3) minute time limit per person

4. CONSENT AGENDA

Items listed on the consent agenda (see attached) are considered routine and may be enacted by one motion. Any item may be removed for discussion and made a part of the regular agenda at the request of a Board member(s).

5. AGENCY GENERAL

A. Public Hearing- Miscellaneous Fees

1. Discussion and possible action to adopt Resolution No. 2020-02 revising the miscellaneous fees and charges for the Amador Water Agency

B. FY 2019-2020 Mid-Year Budget Review

C. General Manager Recruitment Update

D. AWA-City of Sutter Creek Wastewater Rate Increase & Plant Upgrade discussion and possible action

E. Wastewater and Water Rate Study discussion and possible action

6. WATER SYSTEM

A. IONE WATER TREATMENT PLANT UPGRADES

1. Discussion regarding status of the upgrade project

7. INTERIM GENERAL MANAGER REPORT

- 8. BOARD OF DIRECTOR DISTRICT REPORTS, COMMITTEE REPORTS AND DIRECTOR COMMENTS** - The Board Members may report on various activities, meetings, etc. that they have been involved in. Discussion only, no formal action will be taken. Any matter requiring action will be placed on an upcoming agenda for consideration.

Policies- (02-14-20)

Budget and Finance- (02-25-20)

UMRWA (02-19-20)

9. CLOSED SESSION

A. Conference with Agency's real property negotiator, Darrel Evensen, regarding negotiating the price and terms of the purchase, sale, lease or exchange of real property designated as Amador County APN 033-800-021 with Ciro Toma.

B. Pursuant to Government Code section 54957; Public Employee Performance Evaluation – Interim General Manager

- 10. FUTURE AGENDA TOPICS-** This item is to provide the Board Members an opportunity to request items to be placed on future agendas.

11. ADJOURNMENT

SCHEDULE OF UPCOMING BOARD MEETING

Thursday, March 12, 2020, 9:00 a.m.

Regular Board of Directors Meeting

Amador Water Agency, 12800 Ridge Road, Sutter Creek, CA 95685

**AMADOR WATER AGENCY
CONSENT AGENDA
February 27, 2020**

Items listed on the consent agenda are considered routine and may be enacted by one motion. Any item may be removed for discussion and made a part of the regular agenda at the request of a Board member(s).

1. MINUTES

- A. Approval of minutes of the Regular Board Meeting of February 13, 2020

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, then please contact Cris Thompson at (209) 223-3018 or (209) 257-5281 (fax). Requests must be made as early as possible, and at least two-full business days before the start of the meeting.

Documents and materials relating to an open session agenda item that are provided to the Amador Water Agency Board of Directors less than 72 hours prior to a regular meeting will be available for public inspection and copying at 12800 Ridge Rd, Sutter Creek CA 95685

Consent Agenda Item L.A.

Unapproved

**AMADOR WATER AGENCY
Board of Directors
Regular Meeting**

February 13, 2020

MINUTES

Directors Present: Richard Farrington, President
Susan Peters, Vice President
Gary Thomas
Paul Molinelli Jr

Directors Absent: Randy Livingston

Staff Present: John Kingsbury, Interim General Manager
Cris Thompson, Assistant GM/ Clerk of the Board
Karen Gish, HR/ Office Manager
Tracey Hays, Finance Manager
Darrel Evensen, Engineering Manager
Rick Ferriera, Operations Manager
Joshua Horowitz, Agency Legal Counsel

CALL TO ORDER- President Farrington called the meeting to order at 9:00 a.m.

ADDITIONS TO THE AGENDA- None

INTRODUCTION OF NEW EMPLOYEE (00:42- 0:2:55)

Tim Brown, Instrumentation/ Electrical Supervisor

Operations Manager Ferriera recognized and thanked Jeff Randall for keeping the Electrical Department running during the past year while the two vacant positions were being filled.

PUBLIC COMMENT FOR MATTERS NOT ON THE AGENDA – None

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CONSENT AGENDA (00:03:15- 04:48)

Director Thomas asked to pull item 1.B , and President Farrington pulled item 3.A for discussion. These items will be heard following the agenda item 6.A.

MOTION: It was moved by Director Thomas, seconded by Director Molinelli Jr. and carried to approve consent agenda items 1.A, Minutes of the Regular Board Meeting of 01-23-20 and 2.A- Accounts Payable for January 2020.

Ayes: Directors Thomas, Peters, Molinelli Jr. and Farrington
Noes: None
Absent: Director Livingston
Abstain: None

PRESENTATIONS (04:48- 38:20)

Introduction and discussion with Amy Gedney, Sutter Creek City and Public Works Manager.

Consent item 2B-February 3, 2020 Special Board Meeting- comments (38:45- 46:55)

MOTION: It was moved by Director Peters, seconded by Director Molinelli Jr. and carried to approve the Special Board Meeting minutes of February 3, 2020.

Ayes: Directors Thomas, Peters, Molinelli Jr. and Farrington
Noes: None
Absent: Director Livingston
Abstain: None

Consent item 3.A- ATV Policy- (47:02- 54:13)

Direction was given to send the proposed ATV policy to the Risk Management Committee.

DEPARTMENT REPORTS (54:31- 1:26:14)

Staff Reports will be provided by Managers to update the Board of Directors on current activities within their areas of responsibility

Administration/Finance
Operations
Engineering

RECESS was called at 10:27 a.m. **SESSION** resumed at 10:39 a.m.

COMMITTEE REPORTS, SPECIAL ASSIGNMENTS AND DIRECTOR COMMENTS (1:26:18- 1:45:34)

A. Legislative Committee (01-29-20)

- B. Mountain Counties Water Resources Association (01-31-20)
- C. Upper Mokelumne River Watershed Authority (01-24-20)
- D. ACGMA (02-03-20)
- E. Ad Hoc Committee -- GM Recruitment
- F. Ad Hoc Committee -- Wastewater Reuse Investigation

INTERIM GENERAL MANAGER RE-ORGANIZATION PLAN STATUS (1:45:43-3:09:27)

- A. Status report by Interim General Manager Kingsbury regarding an Agency re-organization plan
- B. Discussion and possible action to authorize filling a Customer Service Representative I position.
- C. Discussion and possible action to approve the Customer Service Supervisor job description and salary range.
- D. Discussion and possible direction to initiate the process of filling the Customer Service Supervisor position following the meet and confer process.

Public Comment:

Gail Cates
Sharon West, District 3 resident
Joel Mottishaw, AWA Water Treatment Supervisor

MOTION: It was moved by Director Molinelli Jr., seconded by Director Thomas, to fill the Customer Service I position.

MOTION 2: It was moved by Director Farrington, seconded by Director Molinelli Jr. to delay the decision on 9.B until after the Board mid-year budget review.

MOTIONS 1 & 2 were withdrawn

Discussion of items b. c. and d have been tabled for discussion at a future meeting.

RECESS was called at 12:24 p.m. **SESSION** resumed at 1:32 p.m.

AGENCY GENERAL (3:12:25- 3:32:01)

General Manager Recruitment

Discussion and possible action to authorize the Interim General Manager to execute a contract with Interwest Consulting Group to consult on recruiting a permanent General Manager.

MOTION: It was moved by Director Molinelli Jr., seconded by Director Peters and

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carried to authorize the Interim General Manager to execute a contract with Interwest Consulting Group to consult on recruiting a permanent General Manager for an amount not to exceed of \$15,000 for task 1 of the proposal.

Ayes: Directors Peters, Molinelli Jr., Thomas, Farrington
Noes: None
Absent: Director Livingston
Abstain: None

Quarterly Investment Report – **item not discussed**
Report of the Agency’s Investment Performance through December 31, 2019

LEGAL COUNSEL’S REPORT (3:32:10- 3:50:54)

- A. Legislative report
- B. Discussion and possible action regarding Agency positions on pending bills
- C. Other Legal Matters

INTERIM GENERAL MANAGER REPORT (3:50:59- 3:51:23)

CLOSED SESSION was called at 2:13 p.m.

A. Conference with Legal Counsel Pursuant to Government Code Section 54956.9(D)(1) – Existing Administrative Proceedings – State Water Resources Control Board Bay-Delta Water Quality Control Plan Update Proceeding

B. Pursuant to Government Code Sections 54957 Public Employee Performance Evaluation- Interim General Manager

C. Conference with real property negotiator involving negotiations with Ciro Toma regarding the purchase, sale, lease or exchange of real property designated as Amador County APN 033-800-021

Report out from Closed Session- Direction was given to staff.

FUTURE AGENDA TOPICS-

Mid-Year budget review with cash flow forecast through 12-2020

Dr. Kelsi Williams presentation

Workshop for Risk Management

Workshop for Admin and Board Sections of the draft Administrative Policy Manual

ADJOURNMENT

President Farrington adjourned the meeting at 5:01 p.m.

Cris Thompson
Clerk of the Board of Directors

Approved: _____

STAFF REPORT

Approve Revised Schedule of Miscellaneous Fees and Charges

Requested Action:

Board adoption of Resolution No. 2020-02 revising them miscellaneous fees and charges for the Amador Water Agency

Background:

Staff and the Budget and Finance Committee have reviewed and updated the Schedule of Miscellaneous Fees and Charges to ensure that Agency customers are protected from under collection of the necessary fees to provide miscellaneous services that are not a part of day-to-day operations. The revised miscellaneous fees have been duly noticed as required and are attached for reference.

Alternatives: No alternatives proposed.

Fiscal Impact: Assurance that the fees collected are adequate to cover the cost of providing the service; which assures that the cost is not paid for by all Agency customers through rates.

Reviewed by Committee: Yes

Recommendation:

Board adoption of Resolution No. 2020-02 revising the miscellaneous fees and charges for the Amador Water Agency.

Prepared by: Cris L. Thompson, Assistant General Manager

**RESOLUTION NO. 2020-02
OF THE BOARD OF DIRECTORS OF THE
AMADOR WATER AGENCY
REVISING THE MISCELLANEOUS FEES AND CHARGES
FOR THE AMADOR WATER AGENCY**

WHEREAS, the Board of Directors of the Amador Water Agency ("Agency") proposes to revise the Miscellaneous Fees and Charges for its water and wastewater systems; and

WHEREAS, the Board of Directors held a public meeting on February 27, 2020 to consider comments to the proposed revisions to the Miscellaneous Fees and Charges.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the Amador Water Agency as follows:

1. That the Amador Water Agency's Miscellaneous Fees and Charges, attached hereto as Attachment "A" and incorporated herein by this reference, are hereby adopted and shall become effective on February 27, 2020.
2. To the extent that the terms and provisions of this Resolution may be inconsistent or in conflict with the terms or conditions of any prior ordinance, resolution, rule or regulation concerning Miscellaneous Fees and Charges for the Amador Water Agency water and wastewater systems, the terms of this Resolution shall prevail and any such inconsistent and conflicting provisions of prior ordinances, resolutions, rules or regulations are hereby repealed.
3. If any provision of this Resolution or application thereof to any person or circumstance is held invalid, no other provision of this Resolution shall be affected thereby.
4. The modification and revision of the above Miscellaneous Fees and Charges for the Amador Water Agency, are, among other things, for the purpose of continuing to provide funds to meet the costs of operating and maintaining the water and wastewater systems within the Amador Water Agency. The Board therefore finds that the adoption of this Resolution is exempt from application of the California Environmental Quality Act pursuant to Section 21080(b)(8) of the California Public Resources Code and authorizes the President to execute the Report on Review for CEQA Exemptions and the General Manager to execute and file a Notice of Exemption.
5. The Miscellaneous Fees and Charges set forth above are not discriminatory or excessive, will comply with Government Code Sections 54340, et seq. and will otherwise comply with law.

The foregoing Resolution was duly passed and adopted by the Board of Directors of

the Amador Water Agency at a regular meeting held on this 27th day of February, 2020 by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Signed and approved by me after its passage this 27th day of February, 2020

Richard Farrington, President
Board of Directors

ATTEST:

Cris L. Thompson
Clerk of the Board of Directors

**AMADOR WATER AGENCY
SCHEDULE OF
MISCELLANEOUS FEES AND CHARGES**

The following fee schedules shall be applicable to all Amador Water Agency Water and Wastewater Districts.

UN-1 WATER CONNECTION FEE

The following fees shall be applicable to all applicants requesting a new water service connection and must be paid prior to any work being done by the Agency:

(a) **Install Meter on Existing Service Connection**

<u>Meter Size</u>	<u>Fee</u>
5/8 Inch	\$ 375.00 585.00
3/4 Inch	550.00 610.00
1 Inch	650.00 720.00
1-1/2 Inch	1200.00 1250.00
2 Inch	1550.00 1650.00
Larger	Actual cost of installation as determined by the Agency

(b) **Install Meter and Service Connection**

Applicants who request a water service connection that requires a mainline tap, installation of a meter box, meter and related appurtenances as determined by the Agency, will pay the actual costs of such installation based on an actual time and materials basis. The Applicant shall pay a deposit prior to any work being done by the Agency. Any amounts remaining after the work has been completed will be refunded to the Applicant. Any amount exceeding the amount of the deposit shall be paid by Applicant prior to water service being initiated.

Time and Materials
Deposit \$1,5005,000
(or more, depending on the complexity of the connection)

(c) **Special Conditions**

1. The service connection, meter boxes and meters shall remain the property of the Agency.
2. A meter must be installed at the same time the service connection is installed except in the case of accepted subdivisions.
3. In the event that the Applicant does not request the service connection and meter to be installed within two years after applying for and paying the appropriate charges, then the meter installation connection-fee, less 10%

for administrative costs, will be returned without interest and the application canceled.

Resolution No. 2007-15

UN-2 CREDIT DEPOSITS

For all residential and commercial service

Water Service Deposit \$100.00 per service

Wastewater Service Deposit\$100.00 per service

For all industrial service - an amount equal to twice the estimated monthly bill but not less than \$ 100.00

UN-3 CHARGES FOR OTHER SERVICES

UN-3 CHARGES FOR OTHER SERVICES

(a) Start/ Stop Service

A water or wastewater service account with AWA may be opened either by calling the Customer Service Department at (209) 223-3018, completing the online application, or by coming in to the Administration Office at 12800 Ridge Rd, Sutter Creek CA. 95685 during business hours (8 a.m. to 4:30 p.m., Monday through Friday). There is a \$25.00 administrative fee to open new accounts. This fee is charged each time customer's change addresses within the Agency's service area. When customers call, apply online or come in to open a new account, the account must be put in that person's name (a spouse/significant other/trustee may be added to the account if both applicants sign the application) - customers may not establish accounts for another person.

Administrative Fee.....\$25.00

(b) Late Payment Penalties and Interest

Payments are due and payable upon presentation and become delinquent if not paid within 30 days after the due date. Any charges remaining unpaid shall accrue late payment penalties and interest as follows:

Late Payment Penalty \$10.00% of the unpaid amount

Interest 0.5 % per month thereafter

(c) Fire Flow Testing- Requests for fire flow testing will be based on actual time and material basis required to perform such testing. Requester will be required to pay a \$500.00 deposit prior to any work being done by the Agency. Any amounts remaining after the work has been

completed will be refunded to the requester. Any amount exceeding the amount of the deposit shall be paid to the Agency by the requester.

(d) Meter Testing - the following fee will be added to the customer's account should the customer request their meter be tested for accuracy. Should the meter be found, upon test, to register more than 5% fast under conditions of normal operation, the fee will be returned to the customer.

<u>Meter Size</u>	<u>Fee</u>
5/8", 3/4", or 1"	\$ 40.00
Larger than 1"	Time and Materials

Customer Owned Hydrant Meter Testing \$50.00
Must be tested no more than three (3) weeks prior to use

(e) Service Call - The following fees are applicable to re-inspect and/or verify to determine compliance with Agency rules and regulations for special inspections such as grease traps, septic tanks, and/or other miscellaneous customer inquiries:

Between 8:00 am and 4:30 pm Monday through Friday	\$75.00
On-Call hours Monday-Friday after 4:30 pm and/or Saturday, Sunday or Holiday	\$140.00
<u>Site Inspection to verify service</u>	<u>\$50.00</u>

(f) Service Reconnection Fee – The following fees are applicable if Agency personnel turn service off or on at the customer's request, restore service discontinued for cause:

Monday-Friday 8:00 a.m. – 4:30 p.m.	\$ 40.00
On-Call hours Monday-Friday after 4:30 p.m. and/or Saturday, Sunday or Holiday	\$140.00

(g) Special Conditions

1. The Agency reserves the right to refuse to turn water service off/on between 10:00 pm and 8:00 am unless a bonafide emergency can be established.
2. No water service will be turned off/on at the meter by anyone other than Agency Personnel.
3. The service call fee shall be charged to the customer's account, or, at the discretion of the

Agency, be required to be paid by the customer prior to service being rendered.

Notification of Intent to Disconnect Service - The following charge shall be added to the customer's account each time the Agency is required to place a door hanger at the customer's service location of the Agency's intent to turn off water service for nonpayment of charges:

Notification Fee \$150.00

(h) Lock Replacement Fee – A lock replacement fee will be added to an account if a service lock is damaged or removed

Lock Replacement Fee\$25.00

(i) Returned Check Fee - The following charge shall be added to the customer's account for each check tendered as payment that is returned unpaid to the Agency by its financial institution:

Returned Check Fee \$25.00

(j) Special Conditions

The Agency reserves the right to report any person whose check is returned unpaid to the Amador County District Attorney for disposition. In the event of reoccurrence of returned checks, the Agency reserves the right to refuse checks as the form of payment from said customer.

(k) Obstructed Meter - Subsequent to the Agency's initial notification to a customer to remove any object(s) obstructing the Agency's water meter, the following charge shall be added to the customer's account each time Agency personnel thereafter are dispatched to verify such removal:

Obstructed Meter Fee \$25.00

(l) Meter Resetting - When service is disconnected for any reason, the following charge shall be added to the customer's account for resetting a meter that was removed after discontinuance of service for cause:

Meter Resetting Fee \$140.00

(m) Temporary Service through a Fire Hydrant - Temporary/construction water service may be available at a time and location selected by the Agency. In addition to paying for water used and billed under the appropriate rate schedule below, a hydrant meter deposit is required in advance to cover the cost of any damage or replacement of the meter. Meters are inspected by Agency staff upon checkout and return for proper working order. \$30.00 of the deposit is not refundable.

Color 8 ½ x 11: 0.45/page
 Color 11 x 14: 0.70/page
 Color 11 x 17: 0.99/page
 Digital copy of documents to CD: 2.50/each
 Digital copy of documents to DVD: 5.00/each
 Digital copy of documents to USB flash/thumb drive.....current retail cost
In order to protect the Agency's network, personal devices will not be used to transfer data requested by a member of the public.

Engineering Maps

C, D & E size \$3.00/page
 11 x 17 (B size) 0.20/page

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Any map larger than the above or printed in color will be charged at \$11.00/sq. ft
Any copy or reproduction completed by an outside service will be charged actual costs incurred

Agendas:

Regular Board Meeting and Special Agendas on Annual Basis:
 Mailed: \$12.00/year
~~Faxed: 5.00/year~~
 E-mailed: no charge

Minutes:

~~Unapproved-Approved~~ Regular and Special Meeting Minutes (if mailed, will include regular meeting agendas)
 Mailed: \$25.00/year
 E-mailed: no charge

Regular Board Meeting Agenda Packets

Annual Basis – Packet available at the Office \$100.00/year
 Annual Basis – Mailed \$150.00/year
 Individual Board Meeting Basis-Packet available at the Office \$ 5.00/packet
 E-mailed: no charge

UN-4 PARTICIPATION FEE EQUIVALENTS

(a) Meters Larger than the basic 5/8 Inch (400 gpd)=1.0:
 The following ratios will apply:

<u>Meter Size</u>	<u>Ratio to Basic Charge</u>
3/4 Inch	<u>30 gpm/ 600 gpd = 1.5</u>
1 Inch	<u>50 gpm/ 1000 gpd = 2.5</u>

1-1/2 Inch	<u>100 gpm/ 2000 gpd = 5.0</u>
2 Inch	<u>160 gpm/ 3200 gpd = 8.0</u>
3 Inch	<u>300 gpm/ 6400 gpd = 165.0</u>
4 Inch	<u>500 gpm/ 10000 gpd = 25.0</u>
6 Inch	<u>1,000 gpm/ 20000 gpd = 50.0</u>
8 Inch	<u>1,800 gpm/ 36000 gpd = 90.0</u>
10 Inch	<u>2,900 gpm/ 58000 gpd = 145.0</u>
12 Inch	<u>4,300 gpm/ 86000 gpd = 215.0</u>

(b) Multiple Dwelling Units:

The Participation Fee for a condominium, townhouse, apartment or similar type multiple dwelling unit shall be a percentage of the appropriate district's participation fee applicable to a customer using a 5/8 inch meter, depending on the number of bedrooms per unit. The percentages are:

<u>Bedrooms Per Unit</u>	<u>Percentage</u>
3 or More _____	100%
2 _____	90%
1 _____	80%

The Participation Fee for manufactured homes in a manufactured home park shall be a percentage of the appropriate district's participation fee applicable to a customer using a 5/8 inch meter, depending on the number of manufactured homes per acre. The percentages are:

<u>Dwelling Units per Acre</u>	<u>Percentage</u>
1 - 4 _____	100%
5 - 6 _____	90%
7 - 8 _____	80%
9 or more _____	70%

Effective Date: April 8, 1999

Resolution No. 99-11

UN-5 SEWER PLAN REVIEW & INSPECTION FEE

The following fee shall be applicable when a person applies for wastewater service or a construction permit. The applicant shall pay to the Agency an application/inspection fee per application for wastewater/sewer systems. The Agency shall not accept an application until it receives the application/inspection fee. The fee is intended to cover the cost of plan review, and up to two (2) field inspections for the proposed construction and all administrative costs incurred in processing the application. This fee does not include any applicable annexation, supplemental

connection, or participation fees.

Additional plan reviews or inspections beyond the amount listed above shall be on a time and materials basis. AWA may request a deposit to cover these additional costs.

Sewer Inspection Fee Residential \$350.00
Sewer Inspection Fee Commercial/Industrial \$750.00

UN-6 ENGINEERING SERVICES AND FEES

COMMERCIAL/ DEVELOPER PLAN REVIEW AND INSPECTIONS

The following fees shall be applicable when a person applies for water and or wastewater service or a construction permit for commercial business or development. The applicant shall pay to the Agency a deposit for anticipated work relating to the project which includes plan review, site visits and inspections. Applicant will be billed actual costs incurred by the Agency for their project. Deposits may be utilized up to 50% with the remaining 50% held until completion of the project and either applied to the remaining balance due or refunded back to applicant. The deposit shall be held in reserve and not used against actual costs incurred by the Agency, unless the Applicant is in arrears on billings in excess of sixty days. If the deposit is used to pay the outstanding bills, all work shall cease on the Project and shall not resume until the initial deposit amount is replenished.

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Commercial/Industrial Deposit (single connection & parcel)...\$1,500
Developer Deposit\$5,000

STAFF REPORT

Update on lone WTP Upgrade Project

Update:

The Amador Water Agency ('Agency') board has approved the capital project budget for the lone WTP Upgrade Project for this current fiscal year. The project has an approved budget of \$1,371,300 (excluding Agency staff time for labor, design and CMS).

The Engineering Department has added several additional items after discussion with the O&M Department, and has removed several items and put several items on hold. The project is within the approved budget and the attached spreadsheet shows the changes to date and the status of each component. The project is on schedule to be completed before the peak demand summer months.

Prepared by:

Darrel Evensen, P.E., Engineering Manager

**Amador Water Agency
Ione Water Treatment Plant Upgrade**

Feb-20

PHASE I Upgrade Conventional Direct Filtration

Item	Description	Cost
1	Owner Furnished Equipment	\$587,300
2	Owner Furnished Construction Labor	\$250,000
3	Owner Design and Construction Services	\$75,000
4	Electrical Eng. and Instrument & Controls Design	\$130,000
5	Electrical and I&C Equipment and Programming	\$650,000
6	Total Project Cost	\$1,692,300

Note: Cost Opinion from 8/2006 Boyle Engineering = \$1,830,300

Budget	
Total Project Cost	\$1,692,300
Subtract Owner Labor, Design & CMS	-\$325,000
New Budget =	\$1,367,300
Total Approved Budget =	\$1,371,300

Mechanical Equipment

No.	Unit	Quantity	Labor	Material	Total	Status
1	Backwash Pump and Motor #2	1		\$ 40,000	\$ 40,000	Removed
2	12" Flush to Waste BFV	4		\$ 2,500	\$ 10,000	Delivered
3	12" Flush to Waste BFV Actuator	4		\$ 10,000	\$ 40,000	Delivered
4	12" Effluent BFV	4		\$ 2,500	\$ 10,000	Delivered
5	12" Effluent BFV Actuator	4		\$ 10,000	\$ 40,000	Delivered
6	12" Backwash BFV	4		\$ 2,500	\$ 10,000	Delivered
7	12" Backwash BFV Actuator	4		\$ 10,000	\$ 40,000	Delivered
8	3" Surface Wash BFV	4		\$ 1,100	\$ 4,400	Delivered
9	3" Surface Wash BFV Actuator	4		\$ 5,000	\$ 20,000	Delivered
10	Filter Level Controllers	4		\$ 6,000	\$ 24,000	Specification Review
11	14" Raw Influent Ball Valve and Actuator	1		\$ 10,000	\$ 10,000	Delivered
12	Stairs for Filter Access	1		\$ 25,000	\$ 25,000	Installed
13	Surge Tank Air Compressor	1		\$ 17,000	\$ 17,000	Specification Review
14	10" PS Magnetic Flow Meter	1		\$ 8,000	\$ 8,000	Installed
15	250 kW Standby Generator	1		\$ 90,000	\$ 90,000	Installed
16	Automated Transfer Switch	1		\$ 7,500	\$ 7,500	Installed
17	Operator Work Station	4		\$ 10,000	\$ 40,000	Separate Purchase
18	Chlorine and pH Analyzer	1		\$ 5,000	\$ 5,000	Installed
19	Chlorine Skid	2		\$ 10,000	\$ 20,000	Installed
20	UPS Battery Backup	6		\$ 7,000	\$ 42,000	Separate Purchase
21	Streaming Unit Detector	1		\$ 10,000	\$ 10,000	Installed
22	6" Fire Hydrant on Raw Water	1		\$ 10,000	\$ 10,000	Delivered
23	HVAC Unit	4		\$ 12,000	\$ 48,000	Removed
24	8" Pump Control Ball Valve PS	3		\$ 4,800	\$ 14,400	On hold
25	8" Check Valve PS	3		\$ 8,000	\$ 24,000	On hold
26	8" Ball Valve Actuator PS	3		\$ 10,000	\$ 30,000	On hold
27	Battery Backup for Ball Valve Actuator	3		\$ 2,000	\$ 6,000	On hold
28	8" Isolation BFV PS	6		\$ 2,000	\$ 12,000	On hold
Original Total					\$ 591,300	

Total w/o Highlighted \$ 487,300

Additional Equipment

29	Fencing and Automated Gate	1		\$ 25,000	\$ 25,000	Specification Review
30	Bypass Pipeline from Hydro to WTP	1		\$ 60,000	\$ 60,000	Specification Review
31	Sump Pump and Pipe for Open Trench Water in	1		\$ 15,000	\$ 15,000	Specification Review
32		1		\$ -	\$ -	
Total					\$ 100,000	

New Total w/o Highlighted \$ 587,300

Electrical/Controls Equipment and Programming

33	MCC for Exhaust Fan and Control Panel			\$ 15,000	\$ 15,000	Specification Review
34	Filter Control Panel			\$ 20,000	\$ 20,000	Being Manufactured
35	PLC Filter Controls			\$ 70,000	\$ 70,000	To be Programmed
36	Replace all valve controls automation			\$ 375,000	\$ 375,000	Being Installed
37	Main MCC			\$ 150,000	\$ 150,000	Specification Review
38	Pt to Pt 900 MDS Communications WTP to PS			\$ 20,000	\$ 20,000	Specification Review
					\$ 650,000	