AMADOR WATER AGENCY
Board of Directors
Regular Meeting
12800 Ridge Road, Sutter Creek, CA 95685
June 8, 2017
9:00 a.m.
Website Address: www.amadorwater.org

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.
In order to better accommodate members of the public, some Agenda Items will be heard at a specified time or soon thereafter. Agenda Items without specific times may be rearranged to accommodate the Board’s schedule.

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

2. ADDITIONS TO AGENDA
   Items added to the agenda must be approved by the Board pursuant to Government Code Section 54954.2

3. INTRODUCTION OF NEW PURCHASING AGENT

4. 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.

5. CONSENT AGENDA
   A. 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).

6. DEPARTMENT REPORTS
   Staff Reports will be provided by Managers to update the Board of Directors on current activities within their areas of responsibility
   A. Administration/Finance
   B. Operations

7. AGENCY GENERAL
   A. River Pines Public Utility District
      1. Discussion and possible action regarding staff analysis of River Pines PUD financial, infrastructure, and regulatory needs

Gary Thomas, President     Art Toy, Vice President     Rich Farrington     Paul Molinelli Jr.     Robert Manassero
2. Discussion and possible action to continue the process of accepting ownership, operation, and maintenance of River Pines PUD Water and Wastewater Systems with the need to confirm 100% grant funding for the distribution system rehabilitation project.

B. Ecological Resources Committee Membership
1. Discussion and possible action to submit the Water Agency’s request to become a member of the Mokelumne River Project Ecological Resources Committee

2. Discussion and possible action to approve the required statement letter as required in the New Membership Protocols

8. CALIFORNIA RURAL WATER ASSOCIATION ANNUAL CONFERENCE
A. Report on attendance

9. LEGAL COUNSEL’S REPORT
A. Legislative report
B. Discussion and possible action regarding Agency positions on pending bills
C. Other Legal Matters

10. COMMITTEE REPORTS AND DIRECTOR COMMENTS
A. Budget and Finance (05-30-17) (06-06-17)
B. Engineering Committee (06-01-17)
C. Fire Protection Committee (05-31-17)

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

12. CLOSED SESSION
A. Conference with Legal Counsel Pursuant to Government Code Section 54956.9(a) – Pending Litigation- Amador Water Agency v. Lazy Creek Family Trust, et al. (Amador Superior Court Case No. 15-CV-9203).

B. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6 (Gene Mancebo, Karen Gish, Gary Thomas, Rich Farrington) - AWA Employee Association Bargaining Unit.

13. ADJOURNMENT
AMADOR WATER AGENCY
CONSENT AGENDA
June 8, 2017

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 May 25, 2017
   B. Approval of minutes of the Special Board Meeting of May 31, 2017

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
AMADOR WATER AGENCY
Board of Directors
Regular Meeting
May 25, 2017

MINUTES

Directors Present: Gary Thomas, President
Art Toy, Vice President
Richard Farrington
Paul Molinelli Jr.
Robert Manassero

Absent: None

Staff Present: Gene Mancebo, General Manager
Cris Thompson, Assistant GM/ Clerk of the Board
Damon Wyckoff, Operations Manager
Josh Horowitz, Agency Counsel

CALL TO ORDER- President Thomas called the meeting to order at 9:01 a.m.

ADDITIONS TO THE AGENDA – None

PUBLIC COMMENT: None

CONSENT AGENDA ITEMS: (0:00:48- 1:38)

MOTION: It was moved by Director Molinelli Jr, seconded by Director Farrington, and carried to approve the consent agenda: minutes of the Regular Board Meeting of April 27, 2017 with suggested revisions, minutes of the Special Board Meeting of April 27, 2017 and Accounts Payable for the month of April, 2017.

Ayes: Director Molinelli, Thomas, Farrington and Toy
Noes: None
Absent: None
Abstain: Director Manassero
DEPARTMENT REPORTS (00:02:00 - 00:08:44)
A. Administration/Finance
B. Operations

WATER SYSTEMS (08:50 - 31:40)
Camanche Area Regional Water Supply Project (CARWSP)
Discussion and possible adoption of Resolution No. 2017-07 adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan and direction to staff to file the notice of determination

MOTION: It was moved by Director Toy, seconded by Director Molinelli Jr. and unanimously carried to adopt Resolution No. 2017-07 adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan and direction to staff to file the final mitigated negative declaration, Initial study, Mitigation monitoring plan and the notice of determination for the Lake Camanche Village Area Regional Water Supply Project Phase II (CARWSP II)

CAWP Water Rights Draft Environmental Impact Report (EIR) (31:45-1:52:10)
Presentation of Draft EIR by RMC Water and Environment, Robin Cort and Dave Richardson

Public Comments on Draft EIR – Steven Frederick, General Manager JVID

RECESS was called at 10:56 a.m. SESSION resumed at 11:03 a.m.

Hydroelectric Generation Projects (1:52:28 - 3:14:04)
Tanner Hydro Project
Performance update by Steven Herrera, Nline Energy

Ione Hydro Project
Review of project cost and savings over time
Discussion and possible action to authorize expenditure of funds to proceed with completing the design bid documents for the Ione Hydro project

MOTION: It was moved by Director Farrington, seconded by Director Toy and unanimously carried to authorize continued work towards the design and preparation of bid documents for the Ione Hydroelectric Generation project under the current contract with Nline Energy Inc. and as funded under the California Energy grant and low interest loan with a report back on PG&E interconnect fees, followed by 75% design and 90% design.

Mokelumne River Project Ecological Resources Committee Membership (3:14:08-3:37:00)
Discussion and possible action to confirm the Water Agency’s request to become a member of the Mokelumne River Project Ecological Resources Committee
Public Comment: Ruben Childress, Foothill Conservancy

MOTION: It was moved by Director Farrington, seconded by Director Toy and carried to confirm the Water Agency's request to become a member of the Mokelumne River Project Ecological Resources Committee and direct the General Manager to provide a written statement as required in the New Membership Protocols for the Ecological Resource Committee for Board approval at a future meeting.

Ayes: Directors Toy, Farrington, Molinelli and Thomas
Noes: None
Absent: None
Abstain: Director Manassero

Closed Session was called at 12:52 p.m. for item A.

A. Conference with Legal Counsel Pursuant to Government Code Section 54956.9(a) – Pending Litigation- Amador Water Agency v. Lazy Creek Family Trust, et al. (Amador Superior Court Case No. 15-CV-9203).

Open Session resumed at 1:12 p.m. with nothing to report

PROJECT UPDATES (3:37:32-3:53:04)

Closed Session was called at 1:28 P.M. for item B.
B. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6 (Gene Mancebo, Karen Gish, Gary Thomas, Rich Farrington) - AWA Employee Association Bargaining Unit
Open Session resumed at 2:47 p.m. with nothing to report

Grant Funding 3:53:20-3:59:40
Status Update regarding the 2014 Drought Grant Funding

Water Rate Inflationary Adjustment (3:59:49-4:05:17)
Discussion and possible action regarding the 2017-18 inflationary rate adjustment

MOTION: It was moved by Director Farrington, seconded by Director Molinelli Jr. and unanimously carried to implement a 3% inflationary adjustment previously adopted by the Board of Directors on July 21, 2015 and provide notification to customers of the upcoming adjustment

AGENCY GENERAL (4:05:10-4:07:51)
Upper Mokelumne River Watershed Authority (UMRWA)

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Discussion and possible action to approve the Proposed UMRWA Member-funded Budget for FY 2018

**MOTION:** It was moved by Director Manassero, seconded by Director Molinelli Jr and unanimously carried to approve the proposed UMRWA Member funded budget for FY 2018

Association of California Water Agencies (ACWA) (4:08:00- 4:12:50)
Discussion and possible adoption of Resolution No. 2017-08 placing General Manager Mancebo in nomination for ACWA Region 3 Board of Directors

**MOTION:** It was moved by Director Farrington, seconded by Director Manassero and unanimously carried to adopt Resolution No. 2017-08 placing General Manager Mancebo in nomination for ACWA Region 3 Board of Directors

Discussion regarding ACWA committee participation

**LEGAL COUNSEL’S REPORT** (4:12:47- 4:27:24)
Legislative report
Discussion and possible action regarding Agency positions on pending bills
Discussion and possible action regarding additional participation or support for legislative activities
Other Legal Matters

**COMMITTEE REPORTS** (4:27:34- 4:34:55)
AC-GMA Committee (05-01-17, 05-17-17)
Engineering Committee (05-03-17)

ACWA Conference (4:34:58-4:44:35)
Report on attendance by Managers Mancebo, Thompson and Wyckoff

**GENERAL MANAGER’S REPORT** (4:44:40- 4:48:50)

**ASSISTANT GENERAL MANAGER’S REPORT** (4:48:52- 4:56:29)

**BOARD OF DIRECTOR DISTRICT REPORTS, COMMITTEE REPORTS AND DIRECTOR COMMENTS –** (4:56:32- 5:01:32)

**FUTURE AGENDA TOPICS –** (5:01:34-5:08:00)
ARSA
Airport Ground use
ERC

**ADJOURNMENT**

President Thomas adjourned the meeting at 4:12 p.m.
Cris Thompson
Clerk of the Board of Directors

Approved: ____________________________

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AMADOR WATER AGENCY BOARD OF DIRECTORS  
Special Board Meeting  
May 31, 2017

MINUTES

Directors Present: Gary Thomas, President  
Art Toy, Vice President  
Paul Molinelli Jr  
Robert Manassero  
Rich Farrington

Directors Absent: None

Staff Present: Gene Mancebo, General Manager  
Cris Thompson, Assistant General Manager  
Damon Wyckoff, Operations Manager

CALL TO ORDER  President Thomas called the Special Board meeting to order at 12:03 p.m.

WATER SYSTEMS  
Water Rate Update Study (00:00:16- 3:01:00) 
Presentation by Bob Reed, The Reed Group, Inc. 
Discussion and possible direction regarding the Water Rate Update Study

Direction was given to Mr. Reed to revise assumptions and provide additional information for options to reduce the potential rate adjustment impacts

Public Comment:  
Mr. Jim Nevin (2:22:49)

ADJOURNMENT- President Thomas adjourned the meeting at 3:04 p.m.

Cris L. Thompson  
Clerk of the Board of Directors

Approved:

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ADMINISTRATION DEPARTMENT REPORT

Customer Service/Human Resources:

- The 2016/2017 (7/1/16-6/30/17) Safety Statistics for Agency staff are:
  - Lost time worker's comp incident: 2 (date of last incident: 12/12/16)
  - Other Worker Comp incident: 3 (date of last incident: 5/10/17)
  - First Aid incident: 0
  - Avoidable vehicle accident: 0
  - Unavoidable vehicle accident: 0
- Training: None
- Certifications/Renewals: Shortridge-D2
- Staffing: Purchasing Agent (Ryan Tesch); Distribution I and Distribution III – interview process
- Liens filed: None
- Liens Released: 6-$4,378.76
- Total Liens filed for the Agency 304- total dollar amount $503,877

Finance/Accounting:

Water Sales Revenues through the month of May are $6,038,164

Wastewater Sales Revenues through the month of May are $1,388,654

Reimbursements received: $151,627

Outstanding Reimbursements are approximately $760,209

Restricted and Unrestricted Cash: Next Page

Prepared by: Karen Gish – HR / Office Manager
Tracey Hays: Finance Manager
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Operations Report

Covering May 1 – May 26, 2017

Operations Manager:
1. Continued to survey AWA sites for Tree Mortality with Foothill Resource Management
2. Conference call with Agency staff and FEMA to discuss Agency projects that address failed infrastructure due to the February Storms
3. Continue to participate in the AC-GMA, Cosumnes Sub-Basin Working Group and Technical Advisory Committee meetings.
4. Assisted the City of Lodi in interviewing and hiring their new Water Treatment Plant Superintendent
5. Applied for grant to purchase Amador Air District compliant heavy equipment through Carl Moyer Rural Assistance program.

Admin Assist III:
2. Attended Wave 3 of the California Water Loss seminar

Water Treatment Plants:
1. Completed final testing of Tanner Hydroelectric facility with Nline Energy engineer, David Powell and Agency Electrical Supervisor, Pat Purnell.
2. Continued to train new plant operator on multiple facilities.
3. Completed drain down and cleaning of clarifier at lone plant

Wastewater:
1. Continued to look for Inflow and infiltration in all systems
2. Irrigating to drop storage pond levels at Camanche and Gayla Wastewater plants
3. Continued to monitor Pond #7 at Mace Meadows Golf course
4. Collected samples and made repairs to the Lift Station for Pine Grove Camp

Engineering
1. Agency Projects:
   b. Ione WTP Expansion: Eliminated automated controls of the filters to the project to further reduce costs.
   c. New York Ranch Rd Intersection: Construction underway
   d. Buckhorn WTP DBP & Recycling: Minimal activity this period
   e. Lake Camanche Tank 9 & Intertie: Submittal process on-going
   f. Highway 88 overlay: No activity related to AWA
   g. Sutter Creek Bridge: Determination of liability pending- No response from City.
   h. Badger Street Bridge: No activity related to AWA
   i. Ione Hydroelectric: Design phase moving forward
2. Developer Projects:
   a. Gold Quartz (Sutter Creek): No activity related to AWA
   b. Wildflower (lone) Developer bonded for remaining work, homes under construction
   d. ARCO (Martell): No activity related to AWA
   e. Ventosa Collina (Sutter Creek): Post-construction items still pending
   f. Washington Place (lone): Design underway
   g. East Ridge Business Park (Sutter Creek): Construction underway
   h. Well Space (Martell) Design underway

**Electrical:**

1. Failures:
   a. Frank's Tank solenoid- Removed from service awaiting control valve purchase.
   b. Pine Grove camp Lift Station- replaced 2 floats and a blown fuse
   c. Well #14 Camanche- power surge caused failures for radios, control transformer and control timing relay- Replaced radio, transformer, and relay- submitting a claim to PG&E.
   d. Pine Acres Tank #2 transducer failed. Replaced with new submersible level transducer
   e. Camanche wastewater plant's turbo mister failed due to rodent damage. Replaced wiring
   f. Replaced batteries in Administration building for alarm system

2. Final testing of Tanner hydroelectric station. System passed and accepted.

**Construction:**

1. Repaired a 5ft section of concrete pipe on Raw water line on Spanish St (Suter Creek)
2. Road Repair at:
   a. Lift Station 1 (Martell)
   b. Camanche Wastewater Plant
3. Cleared mudslide on Antelope Dr. (Buckhorn)
4. Repaired leak on Gopher Flat Rd (2 gpm, Sutter Creek)
5. Installed Raw service off of GSL on Antelope Dr. (Buckhorn)
6. Laid base rock around tanks 6, 10 and 12 in Camanche to improve site conditions.

**Distribution:**

1. Service line leak repairs:
   a. Barton Rd (30 gpm, Buckhorn)
   b. Creek View Ct (20 gpm, Sutter Creek)
   c. Sutter Creek Ranchos (2gpm, Sutter Creek)
2. Main Break Repair
   a. Buckhorn Ridge Rd (100 gpm, Buckhorn)
3. Service line relocate @ Violet Lane (lone)
4. Tie ins at
   a. Ridge Rd. 12” main East Ridge Business Park
   b. Ridge Rd. 6” main East Ridge Business Park
5. Inspected /Cleaned
   a. Tank 6 – Camanche
   b. Redwood Tank 1 – Pine Acres
   c. Redwood Tank 2 – Pine Acres
6. Rebuilt altitude valve @ Frank's Tank – Buckhorn
7. Rebuilt Luck Mine PRV- Buckhorn
8. Repaired out of service hydrants at:
   a. Mill St., lone
   b. Road Runner Dr., Camanche
Canal:
1. Leak Repairs:
   a. Mile marker 11.50 (20 gpm, Hwy 88)
   b. Mile marker 2.50 (20gpm, lone canal-Allen Property)
   c. Mile marker 3.50 (35 gpm, lone canal-Allen Property)
2. Canal cleaning from Mile marker 6.25 to 7.00 (Previtali area)
3. Annual Amador Transmission Line maintenance and fire hydrant inspections.

River Pines:
1. Operations Manager
   a. Assisted River Pines PUD in initiating Regional Board’s requested corrective action stemming from failures during the February storms
   b. Continued to develop a facilities report of River Pines PUD’s infrastructure
2. Admin Assist Ill
   a. Completed Water and Wastewater monthly reporting
   b. Completed Long Term 2 enhanced Surface Water Rule testing schedule
   c. Assisted Jesse Shaw, District’s consultant engineer, with data for the water modeling.
3. Electrical
   a. Inspected River Pine’s water and wastewater treatment plants and lift stations to complete an Asset report
   b. Lift Station C switch failed. Replaced with AWA inventory
4. Water
   a. Completing the daily, weekly and monthly operations of the 3 wells and all water and distribution sampling.
   b. Prepping operational needs report for Operations Manager
5. Wastewater
   a. Completing all daily routines and sampling
   b. Made repairs and adjustments to Slate Creek Lift Station

Prepared by: Damon Wyckoff, Operations Manager
STAFF REPORT

River Pines Public Utilities District
Staff Analysis

Requested Action:

Presentation of River Pines PUD (RPPUD) System Analysis Report including financial, infrastructure and regulatory needs completed by Agency staff and recommendation to inform RPPUD of the one critical requirement which is the Distribution Rehabilitation Project must proceed with confirmation of 100% grant funding for the entire project.

Background:

Water Agency staff has been assessing the River Pines Public Utilities District (RPPUD) water and wastewater facilities to determine the condition and needed improvements in addition to the financial and regulatory areas.

Water Facilities
The three ground water wells are in good shape and capable of producing twice the current demands with the largest well out of service. A new well was installed in 2014 and other major work completed on the other two wells in recent times. One well requires treatment which is a low cost and simple technology. RPPUD utilized treated surface water at one time, however, given concerns over supply and treatment technology, the plant has not been used in quite some time and staff recommends removing treatment equipment and using the building for other purposes. Additional details can be found on the attached assessment. Staff is researching some other items raised at the Engineering and Planning Committee and will report on those verbally. As discussed previously, the distribution system is in poor condition. Proposed improvements amount to about $5.7M and involve a new storage tank, replacing nearly 100% of the distribution pipe, all new service laterals, meter boxes, meters, and fire hydrants. It is critical that these improvements are completed and that funding is entirely from grants. Staff recommends about $18,575 in water system improvements outside of the major distribution rehabilitation in the first year and about $3,200 per year during the upcoming five-year period. Some of the immediate work could be spread over the first few years. An itemized list is attached. A major portion of the initial
improvements involve migration of SCADA, telemetry, and communication systems. Staff assumes normal water system routine work requires about 1/3 of an FTE.

Wastewater Facilities
The wastewater system is a conventional collection system with three lift stations, pond treatment (secondary treatment with disinfection), storage and spray irrigation. The system appears to be in good condition with below average concerns of inflow and infiltration. The system was constructed new in or about the mid-1980s when the system was converted from onsite leachfields to a public wastewater system. There is adequate treatment capacity, pond storage, and disposal area. The facility has an available capacity of about 30% which could provide for about 50 new homes or 25% growth in the area. Average wet weather flows are about the same as average dry weather flows which is an indicator that the system in good condition. The Waste Discharge Requirements need to be revised to reflect actual disposal rates needed. This is a ministerial activity with no infrastructure changes. The system is in good working condition and staff recommends approximately $25,800 for initial improvements and an estimated $3,600 per year over the following five-year period. As in the water system a major portion of the immediate work is for migration of the SCADA, telemetry, and communications system and some improvements can be spread over the first few years. Staff estimates 0.5 FTE to carryout normal routine work.

Regulatory
In 2016, RPPUD failed to complete backflow testing for the water system. No other recent issues have been identified. During the recent wet weather storm events, RPPUD like many other wastewater purveyors was forced to discharge treated wastewater to the spray fields during rain events which is a violation. It is unlikely that this would result in a fine. RPPUD is responding to Regional Water Quality Control Board request for a wastewater water balance which uncovered the need to reflect the proper disposal rates in the Waste Discharge requirement. There are no other current regulatory issues.

Fiscal
In addition to the water and wastewater facilities, RPPUD also owns and operates town hall, park, and is responsible for some street lighting. The Water Agency would not be taking over these facilities and as such the revenues and expenses would not be considered. Some of these expenses were assigned to water and wastewater. The staff time for operating these facilities is not spelled out in their budget.

RPPUD has a wastewater reserve of just under $300,000 and no reserve for water. The water rates were increased in October of 2016. The 2016-17 RPPUD budget estimates a total wastewater expense of $147,337 and water of $179,189 and resulting new income of a positive $4,203 for wastewater and -$5447 for water. The budget includes $26,863 in depreciation which is mainly associated
with the water system. RPPUD's budget includes more than $168,000 in employee expenses and other services which would be covered with less than 1 FTE of AWA staff and result in a savings about $70,000 annually. There is about $25,790 in expenses associated to town hall, streetlights, or duplicated efforts that are currently charged to water/wastewater. RPPUD has one outstanding loan for the water system which occurred in 2005. The original amount was about $132,000 with 0 interest over 29 years. The current balance is $90,250 with 2 payments per year of $4,750. Staff needs to confirm transferability of the loan.

Staff assumes that RPPUD wastewater customers would be pay the Agency's general wastewater rate with no debt service charge. The Agency's wastewater rates are considerably higher than RPPUD. For a residential customer the Agency monthly service charge is $102.57 beginning July 2017, whereas RPPUD charges $57.75 which is an increase of $44.82. The RPPUD water rates are greater than the Agency's rates in general. RPPUD has an 8 tier water rate structure and the Water Agency is considering a rate adjustment which makes the comparison difficult. The average RPPUD customer uses 5.22 CCF or 3,905 gallons per month on an annual average basis. The RPPUD rate for this average amount of water is $68.55. The Water Agency's rate for this amount assuming the current rate with the inflationary adjustment for July 2017 and an assumed debt service of $6.13 is $33.00 which is $35.55 less than what RPPUD charges. When considering water and wastewater collectively under this scenario, the RPPUD would experience a net increase of $9.27 per month as averaged.

Overall the Water Agency would experience a net revenue gain from operating the water and wastewater system which benefits existing Agency customers as there are added customers sharing in common costs. RPPUD customers will benefit from the Water Agency's broad and experienced staff with equipment that can respond to routine and emergencies, resulting in a higher level and quality of service.

The one significant assumption is that the RPPUD water distribution system will receive the complete rehabilitation that is currently is design and planned to receive 100% grant. Based on the prior planning grant, the RPPUD was identified to barely meet the disadvantaged community criteria and in fact shows to be less disadvantaged than the Pine Grove area. Staff does not believe that RPPUD customers could absorb a loan payment associated with a $5.7m project and as such a 100% grant is critical. Currently, RPPUD has requested that the State conduct a Median Household Income survey (MHI) to confirm grant eligibility. The State Water Board has also directed RPPUD to begin the Construction Grant application.

Staff supports taking over ownership and operation of the RPPUD water and wastewater system with confirmation of 100% grant funding for the water distribution rehabilitation project.
Alternatives:

1. Direct staff to prepare for acceptance of the facility ownership, operation and maintenance without confirmation of grant funding for the rehabilitation project.
2. Reply to RPPUD that the Agency is not interested in ownership and/or operation of these facilities.

Fiscal Impact:

No specific fiscal impact with the proposed action. Fiscal impacts associated acceptance of the system have been outlined in the staff report and attachments and will be further delineated in future report; however, it is estimated that there is a net positive cash impact as described above.

Reviewed by Committee:

Yes, the Engineering and Planning Committee reviewed staff work to date and concurs that that there are no major concerns with accepting the system so long as the complete rehabilitation project for the water distribution system is paid with 100% grant funds. The Committee raised some questions that are currently being investigated.

Recommendation:

Inform RPPUD of the one critical requirement which is the Distribution Rehabilitation Project must proceed with confirmation of 100% grant funding for the entire project and continue to process the acceptance process of the RPPUD system.

Prepared by:

Gene Mancebo, General Manager
River Pines PUD Facility Assessment

Water Supply

The surface water filtration building and equipment has not been used for several years. Work would need to be done to re-establish surface water filtration. Well sites and appurtenances are in good condition overall. Appurtenance deficiencies are minor. Estimations of cost for needed improvements and noted issues are detailed below.

Wells 2 and 3R site

Well 3R was drilled in 2014 to a depth of 300’. It produces approx. 35 gpm. Well 2 was deepened by 200’ at this time as well (total depth is approximately 500’). This well also produces 35 gpm. Wells 2 and 3R are the principal groundwater supply sources for the community. A new building and associated piping and equipment was constructed at this time and a stand-by generator was also purchased to run the wells during power fails. The associated equipment at this site is still very new and therefore there is a low expectancy of needed improvements in the short-term. Needed improvements are detailed below -

- Eliminate cross connections at both well heads. Well discharge piping is tied to sewer
- Laptop/Desktop to allow SCADA interaction. Est cost = $400

Well 6R Site and Filtration Plant

Well 6R is a groundwater well under the influence of surface water. Therefore, the well water, which flows at approximately 65 gpm, must be filtered. This well serves as backup supply. The Well 6R gates, building, and tank are in good condition. There is a low expectancy of needed repairs in the near future. The chlorine contact tank shows no sign of leakage or corrosion. Needed improvements at this site are -

- Bi-Annual Rosedale Cartridge and bag filter replacement. = $4,500 every two years
- Hach CL17 analyzer (2 at the site) maintenance = $110/month ($1,320/yr) and an additional $250/year.
- pH analyzer for Well 6R site. Est cost = $250
- Laptop / Desktop to allow SCADA interaction. Est Cost = $400
- Weatherize exposed piping at Well 6R. Est cost = $300
- Repair vehicle driveway culvert. Est cost = $500 (labor and materials)
- Uninterruptible power source (UPS) is on top of the Sprinkleer Control Panel and needs to be secured with L brackets and straps
- Clean up Miscellaneous controls and equipment
- Booster Pump 2 VFD off, condition unknown
- Need to confirm River Pines PUD’s ownership of radios and PLC’s at this site
River Pines PUD Facility Assessment

**Slow Sand Filter / Surface Water Supply**

River Pines PUD has three water permits. One not to exceed 3 AFY (1928 – cited for recreational use), the second not to exceed 126.4 AFY (June 30, 1927), and the third for 15.12 AFY (1929). River Pines PUD has a slow sand filter and associated building and equipment historically used for the filtering and treating the surface water supply from the Cosumnes River. However, over the past several years the surface water supply has not been adequate enough to serve the community and act as a reliable source of supply. Should the need to filter surface water arise in the future the Slow Sand Filter is no longer a viable option for treatment. Development of the biological filter is slow and expensive. The building, piping, and equipment would need to undergo a retrofit. Noted deficiencies and options for this site are –

- Measuring device needs to be installed in order to be allowed to divert surface water
- Building flooded during February storms of 2017. Damage not clear. Overall building condition appears to be okay. Needs to be painted
- Filter, media, analytical equipment, and piping need to be removed and surplused or thrown away.
- Could retrofit site for mixed media or membrane filtration
- Could use site for equipment / material storage

**Water Distribution**

*System Piping, Service Lines, Meters, etc.*

River Pines PUD’s water distribution system consists mostly of small (3/4” to 4”) water lines of various materials such as galvanized, pvc, asbestos cement, steel, and copper. Some of these lines were installed as early as 1927. These lines do not provide adequate fire flow, are not properly looped or mapped, can be found running under houses, sheds, and outbuildings, are subject to illegal service line connections, are subject to water loss and breakage and truly need to be replaced. A limited amount of 6" C-900 (schedule 80 pvc) was installed in the 1980’s. This piping can be retained as it is in good condition and provides adequate water supply to meet fire flow requirements and system demands. There are no pressure reducing valves within the River Pines PUD distribution system. System pressure is 120 psi on the high end. This system pressure can exacerbate service line and main breaks. It has also been identified that there aren’t enough system valves and fire hydrants throughout the distribution system to ensure reliable system isolation for leak repair or provide adequate fire protection. Service line leak repairs are a regular occurrence and many meters are located in backyards while others are not in meter boxes at all but are under decks or in outbuildings.
River Pines PUD Facility Assessment

Through the result of a 2014 CDBG funded Water Rehabilitation Study, River Pines PUD was successful in receiving a $441,710.00 planning grant through the State Water Resources Control Board (SWRCB) State Revolving Fund (SRF) to prepare improvement plans to correct the distribution system deficiencies. In discussions with Dave Remick, River Pines PUD's State Sanitary Engineer, the planning grant process is not only a way to understand the needed improvements for a system or facility, but also a way to vet the viability of awarding a construction grant for a project as well. Dave is 90%- to 95% sure River Pines PUD will receive a construction grant from the SWRCB to fund the construction of the needed distribution system improvements. The improvements identified in the planning grant are:

- 4,750 linear feet (lf) of 4" dedicated water supply pipe
- 825 lf of 10" water main
- 2425 lf of 8" water main
- 12975 lf of 6" water main
- 15400 lf clearing for pipeline construction within Right of Way
- 4 pressure reducing stations
- 52 fire hydrants and assemblies
- 99 water valves and valve boxes
- 212 meters and meter boxes

These improvements, along with construction of a new 300K gallon storage tank at the circle tank site equate to an engineer’s estimate of 5,734,400 including contingencies, environmental, administrative, construction management and inspection costs. These are needed improvements to ensure long term distribution system reliability and viability.

Circle Tank and Jaybird Tank

River Pines PUD has 140,000 gallons of treated water storage between its Circle (65,000 gallons) and Jaybird (75,000 gallons) tanks. Circle Tank, which is a partially buried concrete tank, leaks in many areas and is slated for replacement as part of the River Pines PUD's planning grant. This 65,000 gallon tank will be replaced with a 300,000 gallon tank. The additional storage will adequately meet fire demand for the community. Jaybird Tank is in adequate condition, however there are necessary improvements –

- Replace Tank Target – current target and float is not operable
- Install air gap on tank overflow pipe
- Secure exterior ladder and ladder gate
- Remove corroded interior ladder
- Re-coat the tank interior
- Re-coat the tank exterior
River Pines PUD Facility Assessment

Wastewater

Wastewater Collections System

Overall the wastewater collections system is in good condition. In 2014, the system was completely cleaned and jetted by Amador Mechanical. River Pines PUD's consulting engineer, Jesse Shaw in completing the District's water balance, noted that Inflow and Infiltration from October 2016 to March of 2017 was low considering.

<table>
<thead>
<tr>
<th>Month</th>
<th>Avg flow</th>
<th>Peak day</th>
<th>Rain on peak day</th>
</tr>
</thead>
<tbody>
<tr>
<td>October</td>
<td>23,500</td>
<td>33,800</td>
<td>3.0 inches</td>
</tr>
<tr>
<td>Nov</td>
<td>25,900</td>
<td>29,700</td>
<td>1.2</td>
</tr>
<tr>
<td>Dec</td>
<td>23,800</td>
<td>28,500</td>
<td>2.6</td>
</tr>
<tr>
<td>Jan</td>
<td>28,500</td>
<td>56,800</td>
<td>8.5&quot; in 3 previous days</td>
</tr>
<tr>
<td>Feb</td>
<td>28,700</td>
<td>64,000</td>
<td>9.0&quot; in 4 previous days</td>
</tr>
<tr>
<td>Mar</td>
<td>22,500</td>
<td>25,800</td>
<td>1.0&quot;</td>
</tr>
</tbody>
</table>

note:
1) WDR max wet weather flow (by permit) is 88,000 gpd, so 100 year rain event Inflow and Infiltration is well within that

When you take into consideration the fact that we just experienced a winter of unprecedented rainfall, the level of Inflow and Infiltration into the River Pines PUD wastewater collections system is quite acceptable. It is also understood that the increased flows are due to inflow as opposed to infiltration. The data shows flow rise mirrors rainfall, a hallmark of inflow.

Slate Creek, Horseshoe, and East Side Lift Stations

Overall, the lift stations are in good condition. Pumps operate normally, no apparent noises or smells associated with the pumps. All three have stand-by generators and are operational. There are improvements at each site Operations would like to see implemented. Namely:

- Hour meters for pumps at each lift station (est. 200 per lift station)
- Potable water taps at 2 of the 3 lift stations with backflow devices
- Autodialers at each lift station ($1000 per lift station, could include telephone service at 2 of the 3 sites)

Wastewater Treatment Plant

Historically the Wastewater treatment plant has not experienced any regulatory compliance issues and has been operated acceptably. In the winter of 2017 however, the primary treatment pond was inundated by inflow from the surrounding area and had to be sand-bagged. In turn, the secondary and storage ponds were also inundated. As
River Pines PUD Facility Assessment

a result water had to be discharged from the storage pond during rain events thereby violating River Pines PUD’s Waste Discharge Requirements (WDRs). River Pines is in the process now of complying with the Compliance Order they were issued as a result of those discharges. One item that has come to light is the fact in River Pines PUD’s WDRs, the max allowable daily discharge from the storage pond does not exceed the max allowable inflow. This does not provide anyone the opportunity to drop the pond level in preparation for winter time rainfall. It has been recognized by the State that this WDRs is antiquated so it appears they will be willing to work with River Pines PUD in allowing a variance to discharge more water from the storage pond to allow the pond to drop as needed. A permit amendment application to amend the WDRs will need to be submitted immediately should the Agency assume ownership of the system in order to change the max allowable daily discharge from the storage pond. On top of this item, other needed Wastewater Treatment Plant improvements are:

- Sprayfield Solenoid valves and sprinkler heads changed to improve stored water discharge
- Weed eat and spray sprayfield area to eliminate poison oak
- Muck out runoff containment ditch around primary ponds
- Purchase DO/pH meter. Est Cost = $500
- Clean, paint, and rehab buildings at site
- Replace failed irrigation pump motor assembly. Cost Est is $6000
- Rebuild Aerator motor in Storage pond. Cost est. is $2,500
- Laptop at plant. Cost Est. is $400
- Window AC Unit needs to be replaced
- Sprayfield 5 not operational – need to troubleshoot
- Various electrical site improvements needed including – MCC control panel, 2 hour meters tagged as broken. Sprayfield pumps electrical connections need to be re-terminated and missing J-Box cover installed, etc.

Electrical / Instrumentation

River Pines PUD is currently in contract with Brent Stewart PE. for monthly alarm monitoring. Brent Charges the District $1000 per month for alarm monitoring and $170 for internet access. In return, the District charges Brent $500 per month to allow him to keep his internet and telemetry equipment on a District owned radio tower at the Wastewater Treatment Plant. It is understood that Brent owns the towers, PLC’s, SCADA radio equipment, IDEC, and programs at the Circle Tank site, Jaybird Tank Site, and Well 6R site. The District owns this equipment at the Well 2 and 3R sites. Further research needs to be done to determine if River Pines PUD was billed for radio/SCADA/telemetry equipment at sites other than Wells 2 and 3R when the
River Pines PUD Facility Assessment

equipment was installed. If so, then the equipment at those sites is the Districts. However, at this point, it is understood this equipment may be owned by Brent Stewart. Amador Water Agency needs to consider the cost of buying Brent Stewart out of the equipment he does own to ensure a “closed system” for the water and wastewater infrastructure.

There is also a Security Camera System housed at the Wastewater Treatment Plant owned by the District and maintained by Mission Electronics at a cost of $280 per month. This system keeps 30 days of data and writes over the oldest data daily. Cameras are located at Jaybird Tank, Circle Tank, Well 2 Building, Well 6R Building, the Maintenance Shop, the Slow Sand Filter Building, The Town Hall, and the District Old Fire Station.

Maintenance Shop

The maintenance shop building is in disrepair. The eves are rotting away, and it needs to be roofed. The electrical wiring is not to code. The building flooded during the storms of February 2017, ruining documents and paperwork. The building straddles two parcels. One which is not owned by the River Pines PUD. It is understood the District is working on a lot line adjustment with the neighbor, but this issue further adds to the fact that Operations feels it best that should AWA assume ownership of the District facilities the best option would be to remove the stored fittings, and equipment from the building and demolish it. The Slow Sand Filter Building, located just yards away from the Maintenance Shop would be a likely candidate for a replacement shop building.

Conclusion

Operationally, the water supply and wastewater systems are in good condition with some needed improvements noted. The real driver for the Agency to consider in assessing the viability of assuming ownership and responsibility of River Pines PUD’s water and wastewater systems lies in whether or not the PUD will receive a grant to construct the $6 million worth of needed improvements to the distribution system. If the District is successful in receiving these grant funds, and the Agency is prepared to bring on an additional staff member to handle the added workload, then assuming ownership and responsibility of River Pines PUD’s water and wastewater infrastructure is a worthwhile endeavor.
<table>
<thead>
<tr>
<th>Area</th>
<th>On-Going</th>
<th>Immediate improvement</th>
<th>Within 5 years</th>
<th>Within 10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Totals</td>
<td>Material Labor</td>
<td>Material Labor</td>
<td>Material Labor</td>
</tr>
<tr>
<td>pH analyzer</td>
<td>$250.00</td>
<td>$250</td>
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<td></td>
</tr>
<tr>
<td>2 Laptops</td>
<td>$800.00</td>
<td>$800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weatherize Well 6R Piping</td>
<td>$300.00</td>
<td>$150 $150</td>
<td></td>
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<tr>
<td>Eliminate X Connections at Wells 2R and 3</td>
<td>$200.00</td>
<td>$200</td>
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</tr>
<tr>
<td>Bi-Annual Filter Replacement</td>
<td>$2,650.00</td>
<td>$2,250 $400</td>
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<td></td>
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<tr>
<td>CL17 Annual Rebuild kits (3)</td>
<td>$375.00</td>
<td>$375</td>
<td></td>
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<tr>
<td>Various electrical updates / improvements</td>
<td>$4,200.00</td>
<td>$300 $3,600</td>
<td></td>
<td></td>
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<tr>
<td>Dismantle Slow Sand Filter and piping and remove</td>
<td>$1,600.00</td>
<td>$8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demo the maintenance shop and dispose of</td>
<td>$1,600.00</td>
<td>$8,000</td>
<td></td>
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<tr>
<td>Install new Tank Target and Target float</td>
<td>$1,000.00</td>
<td>$1,000</td>
<td>$1,000</td>
<td>$1,000</td>
</tr>
<tr>
<td>Drain, clean, and re-coat the Jaybird Tank with CIM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Migrate ownership of PLC's, Radios, SCADA, and telemetry to AWA</td>
<td>$5,600.00</td>
<td>$1,600 $4,000</td>
<td>$16,000</td>
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</tr>
<tr>
<td>Total - Immediate improvements/on-going annual</td>
<td>$16,575.00</td>
<td>$2,625 $400</td>
<td>$4,100 $7,950</td>
<td>$16,000</td>
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**Distribution**

<table>
<thead>
<tr>
<th>Area</th>
<th>On-Going</th>
<th>Immediate</th>
<th>Within 5 years</th>
<th>Within 10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>Totals</td>
<td>Material Labor</td>
<td>Material Labor</td>
<td>Material Labor</td>
</tr>
<tr>
<td>Area</td>
<td>Totals</td>
<td>Material Labor</td>
<td>Material Labor</td>
<td>Material Labor</td>
</tr>
<tr>
<td>RECOMMENDATIONS DELINEATED ARE THOSE MADE BY RPPUD'S CONSULTING ENGINEER</td>
<td>ESSENTIALLY A COMPLETE DIST SYST RETROFIT</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4750 LF 4&quot; supply piping</td>
<td>$380,000.00</td>
<td>$100,000.00</td>
<td>$247,000.00</td>
<td>$198,000.00</td>
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<tr>
<td>825 LF 10&quot; Water Main</td>
<td>$123,750.00</td>
<td>$636,000.00</td>
<td>$421,000.00</td>
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<tr>
<td>2425 LF 8&quot; Water Main</td>
<td>$303,125.00</td>
<td>$821,000.00</td>
<td>$400</td>
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<tr>
<td>12,975 LF 6&quot; Water Main</td>
<td>$1,492,125.00</td>
<td>$8,570.00</td>
<td>$303,125.00</td>
<td>$2,250.00</td>
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<tr>
<td>15,400 LF clearing for ROW Pipeline construction</td>
<td>$154,000.00</td>
<td>$1,254,000.00</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
</tr>
<tr>
<td>4 Pressure Reducing Stations</td>
<td>$100,000.00</td>
<td>$247,000.00</td>
<td>$198,000.00</td>
<td>$1,140</td>
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<tr>
<td>52 Fire Hydrants and assemblies</td>
<td>$247,000.00</td>
<td>$400</td>
<td>$2,000 $1,600</td>
<td>$1,600 $4,000</td>
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<tr>
<td>99 Water Valves and Valve Boxes</td>
<td>$198,000.00</td>
<td>$821,000.00</td>
<td>$400</td>
<td>$25,000.00</td>
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<tr>
<td>212 Meters and meter boxes</td>
<td>$636,000.00</td>
<td>$821,000.00</td>
<td>$400</td>
<td>$25,000.00</td>
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<tr>
<td>300K Gal Circle Concrete Tank</td>
<td>$821,000.00</td>
<td>$1,254,000.00</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
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<td>pressure, Transducer and SCADA improvements</td>
<td>$25,000.00</td>
<td>$1,254,000.00</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
</tr>
<tr>
<td>at well 6R</td>
<td>$1,254,000.00</td>
<td>$1,600</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
</tr>
<tr>
<td>Contingency, Enviro, Admin, CM costs</td>
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<td>$1,600</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
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<tr>
<td>Total - Immediate improvements/on-going annual</td>
<td>$5,734,000.00</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
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</table>

**Wastewater**

<table>
<thead>
<tr>
<th>Area</th>
<th>On-Going</th>
<th>Immediate</th>
<th>Within 5 years</th>
<th>Within 10 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area</td>
<td>Totals</td>
<td>Material Labor</td>
<td>Material Labor</td>
<td>Material Labor</td>
</tr>
<tr>
<td>Hour meters at each lift station (3)</td>
<td>$600.00</td>
<td>$300 $300</td>
<td>$300 $300</td>
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<tr>
<td>Potable water taps at 2 of the 3 lift stations w/ backflows</td>
<td>$3,800.00</td>
<td>$2,000 $1,600</td>
<td>$2,000 $1,600</td>
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<tr>
<td>Autodialers at each lift station</td>
<td>$2,000.00</td>
<td>$1,200 $800</td>
<td>$1,200 $800</td>
<td></td>
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<tr>
<td>Purchase DO/Ph meter</td>
<td>$500.00</td>
<td>$500</td>
<td>$500</td>
<td>$500</td>
</tr>
<tr>
<td>Laptop at plant</td>
<td>$400.00</td>
<td>$400</td>
<td>$400</td>
<td>$400</td>
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<tr>
<td>Replace failed irrigation pump motor assembly</td>
<td>$7,381.00</td>
<td>$6,000 $1,381</td>
<td>$6,000 $1,381</td>
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<tr>
<td>Window A/C Unit</td>
<td>$130.00</td>
<td>$130</td>
<td>$130</td>
<td>$130</td>
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<tr>
<td>Clean, paint, and building site at wwp</td>
<td>$1,000.00</td>
<td>$300 $700</td>
<td>$300 $700</td>
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</tr>
<tr>
<td>Weed eat and Spray Sprayfield to eliminate poison oak</td>
<td>$1,000.00</td>
<td>$300 $700</td>
<td>$300 $700</td>
<td></td>
</tr>
<tr>
<td>Migrate ownership of PLC's, Radios, SCADA, and telemetry to AWA</td>
<td>$5,600.00</td>
<td>$1,600 $4,000</td>
<td>$1,600 $4,000</td>
<td></td>
</tr>
<tr>
<td>and telemetry for complete network improvements</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Muck out Runoff Containment ditch</td>
<td>1,600</td>
<td>8000</td>
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<tr>
<td>Sprayfield and solenoid valves and sprinkler heads</td>
<td>$850.00</td>
<td>$650 $3600</td>
<td>$650 $3600</td>
<td></td>
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<tr>
<td>to improve treated effluent discharge</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Misc Electrical improvements</td>
<td>$1,140</td>
<td>$1,000 $4,700</td>
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<td>Total - Immediate improvements/on-going annual</td>
<td>$25,901.00</td>
<td>$12,730 $9,481</td>
<td>$1,650 $16,300</td>
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</tr>
</tbody>
</table>
STAFF REPORT
Ecological Resources Committee
Membership

Requested Action:
Discussion and possible action to submit the Water Agency’s request to become a member of the Mokelumne River Project Ecological Resources Committee which includes the attached written statement.

Background:
The Amador Water Agency Strategic Plan includes becoming a member of the Ecological Resources Committee (ERC). During the April 13, 2017 Board meeting, the Board discussed membership in the ERC and assigned an ad hoc committee to meet and discuss the benefits of becoming a member of the ERC and whether there are any perceived conflicts. The committee concluded the Water Agency should proceed with becoming a member of the Ecological Resource Group. During the May 25, 2017, the Board directed the Ad Hoc committee to proceed forward with the preparation of the written statement and return to the full Board to make a final consideration regarding the ERC membership request.

As mentioned at the May 25, 2017 Board meeting, the ERC membership protocols states “A prospective new member must provide to the ERC a written statement containing the identity and contact information of its proposed representative, a description of its constituency, goal, objectives, expertise, and interests related to the Mokelumne River Project, the Settlement Agreement, and resource management within the Mokelumne River Project. The statement must also include an acknowledgement that the prospective new member has read the settlement agreement and is willing to sign and support the Settlement Agreement as a condition of admission as a member of the ERC.”

The Ad Hoc Committee with input from legal counsel has prepared a proposed written statement for the Board’s consideration. The next step is to review, discuss, and finalize the written statement. The Board can then consider and provide direction whether or not to submit the ERC membership request.

Alternatives:
Decide to not be a member of the ERC and either continue to attend meetings or not.

Fiscal Impact:
Mainly staff time for monthly meetings.
Reviewed by Committee:
Yes- the ERC Ad Hoc Committee who recommend proceeding with membership.

Reviewed by Legal Counsel:
Yes, as verbal comments were provided at the April 13, 2017, and May 25, 2017 Board meetings and review of the proposed written statement.

Recommendation:
Discussion and possible action to confirm the Water Agency's request to become a member of the Mokelumne River Project Ecological Resources Committee and approve the written statement which is required in the New Membership Protocols for the Ecological Resource Committee.

Prepared by: Gene Mancebo, General Manager
AMADOR WATER AGENCY REQUEST TO BECOME A ECOLOGICAL RESOURCE COMMITTEE MEMBER

Amador Water Agency ("Water Agency") staff has been attending the Ecological Resource Committee (ERC) meetings as a non-member, but with the intent of becoming a member. The Water Agency is a county-wide Agency that provides water either on a retail or wholesale basis to all five cities in Amador County, to Highway 88-corridor property owners from below Pine Grove to above the Buckhom area, and surrounding vicinities. Under its establishing legislative act, the Water Agency is authorized to take actions to develop, enhance and protect water resources for the benefit of Amador County. Approximately 97% of the total water provided to communities served by the Water Agency is derived from the Mokelumne River. The Water Agency's water supplies consist of 15,000 acre feet per year provided by PG&E under a pre-1914 water right, which serves the down-country areas, and a post-1914 appropriative water right that is used to serve the up-country portion of the Agency's service area.

The Water Agency relies on PG&E's operations of FERC Project 137 to divert and provide a public water supply within Amador County (PG&E's Mokelumne River Hydroelectric Project). PG&E reservoirs within FERC Project 137 support the water rights and infrastructure associated with the diversion of water supplies utilized by the Water Agency to serve the Amador County community. These reservoirs include Upper Bear, Lower Bear, Lake Tabeaud, Tiger Creek Afterbay, Tiger Creek Regulating Reservoir, Upper and Lower Blue Lakes, Meadow Lake, and Twin Lakes. Being a member of the ERC will allow the Water Agency to participate directly in Mokelumne River Watershed activities as they relate to the FERC Project 137 license. As a member of the ERC, the Water Agency will bring its unique knowledge and expertise associated with public water supply to the ERC, while increasing the Water Agency's ability to make more informed decisions in balancing the needs of public water supply with natural resource management and recreation in concert with other stakeholders in FERC Project 137 and the Settlement Agreement.

The Amador Water Agency Strategic Plan includes a goal for the Agency to apply for membership in the ERC because it is the largest public water provider in Amador County and it relies on the Mokelumne as its main water source. In these roles, the Water Agency has a significant interest in the health and management of the river and its surrounding watershed. The Water Agency's Mission Statement is "To enhance the quality of life in Amador County by providing safe, reliable water, waste-water, conservation and reclamation services. We will accomplish this as a professional team dedicated to public transparency, community partnerships and"
excellent customer service.” Inherent in our mission statement is the responsibility of being a good steward of the watershed in which we share and use natural resources as we carry out our mission. The sustainability of natural resources in the watershed is critical to the Water Agency’s mission now and in the future. To be the best possible steward of the watershed, the Water Agency needs to take an active role beyond diverting water by engaging with other stakeholders to help manage all resources within the watershed that contribute to making the Mokelumne River a healthy and dynamic stream.

To further its mission, the Water Agency is a member of the Upper Mokelumne River Watershed Authority (UMRWA) through a joint powers agreement (JPA). The members of UMRWA approved the broadening of the JPA scope in 2008 to include “enhancement of (i) watershed environmental values, (ii) water quality protection, and (iii) recreation activities.” AWA is committed to these goals. As a member of UMRWA, the Water Agency is engaged in forest management projects as part of the USFS Cornerstone Project to reduce the threat of damage to water quality and the environment from wildfire. UMRWA’s state-approved Integrated Regional Water Management Plan for the Mokelumne-Amador-Calaveras area (MAC Plan) commits AWA to enhancing resource and recreation management strategies in the Mokelumne Watershed. The California Water Action Plan (2016 Update) includes direction to “Protect and Restore Important Ecosystems” as one of ten action items for sustainable water management. Belonging to the ERC is one way that AWA can help support this state objective. The Water Agency also is an active member of the Mountain Counties Water Resources Agency and Association of California Water Agencies. These organizations strongly support and recognize the importance of protecting watersheds and balancing the needs for all beneficial users of water.

The Water Agency will appoint the General Manager or his/her designated alternate as the Water Agency Representative. The current General Manager is Gene Mancebo.

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Phone: (209) 257-5245  
Email: gmancebo@amadorwater.org

Water Agency staff has read the Settlement Agreement and the Water Agency is willing to sign and support the Settlement Agreement. The Water Agency Board has met and approved this written statement on ________, 2017.

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Gary Thomas, President  
Amador Water Agency
STAFF REPORT
California Rural Water Association
Annual Conference

Requested Action:
No action requested- Report on attendance by Water Treatment Supervisor, Joel Mottishaw

April 25th-27th I was able to attend the California Rural Water Association (CRWA) annual conference in Tahoe. This was my first time attending this specific one and was very pleased with the organizations attention to detail in putting together a quality conference. There were many different classroom sessions to choose from each day, almost making it difficult because many times there would be multiple sessions I wanted to attend but they overlapped each other and I was forced to choose which was most pertinent and applicable. There were many different water related topics covered throughout the 3 days but the underlying focus seemed to be on SGMA, groundwater management, and water storage. Most of the course instructors were great speakers keeping the people’s attention span. One in particular that I remember was a hydrogeologist from San Diego who works as a consultant for small water systems facing issues with water quality and quantity. Much of what he discussed was relatable and very interesting as compared to our field of work. There was a portion of one day set aside specifically for networking with vendors, consultants, contractors, and other water field personnel where I was able to make contact with one of our chemical feed pump representatives, other plant operators, a possible future tank representative, and some scada/comm consultants.

This conference was very beneficial to me as it was organized to be more relatable to the small water system staff in lieu of the larger conferences where discussion revolves around 100 MGD plants and 24 hour staffing. Much of what was covered was relatable to small water system problems including well rehabilitation, ground water monitoring, disinfection, different filtration methods, distribution system management, DBP management, sampling techniques, and much more. The amenities provided at the conference as far as meals and hospitality by the CRWA staff were excellent as well and I can’t say enough about their earnest intent to provide a high quality conference that is taylor made for the smaller rural communities and their water and wastewater staff. I would highly recommend, if the opportunity arises, that AWA seriously consider sending a couple operators each year to this event. Besides it being one of the most informational and relational conferences I’ve ever attended, if offered each year in Tahoe, the travel and lodging expenses are much lower than many of the other conferences occurring in southern California and/or the bay area.
Thank you for allowing me the opportunity to attend this training, it is through networking such as this, that our field strives to continue providing excellent water service to our customers.

Prepared by: Joel Mottishaw, Water Treatment Supervisor