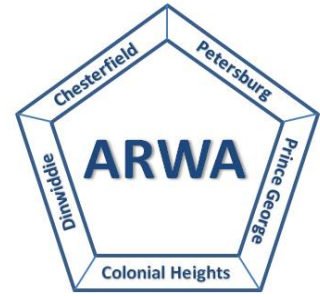


Appomattox River Water Authority



21300 Chesdin Rd. - S. Chesterfield, VA 23803 - Phone (804) 590-1145 - Fax (804) 590-9285

APPOMATTOX RIVER WATER AUTHORITY

Board of Directors Meeting

DATE: September 10, 2020

TIME: 2:00 pm

LOCATION: **South Central Wastewater Authority**
Board Room, Administration Building
900 Magazine Road
Petersburg, VA 23803

AGENDA

1. Call to Order/Roll Call
2. Approval of Minutes: Minutes of the Board Meeting held on July 16, 2020 (Exhibit A, pages 2 to 5)
3. Public Comment (Exhibit B, page 6)
4. Public Hearing for FY21 Budget (Exhibit C, pages 7 to 14)
5. Executive Director's Report:
 - Award of the Construction Contract for Prince George Meter Vault Relocation (Exhibit D, page 15)
 - Status Report (Exhibit E, pages 16 to 19)
 - Financials (Exhibit F, pages 20 to 24)
6. Items from Counsel
7. Closed Session
8. Other items from Board Members/Staff Not on Agenda
9. Adjourn

BOARD OF DIRECTORS MEETING

Appomattox River Water Authority

July 16, 2020 at 2:00 p.m.

**Location: Appomattox River Water Authority
21300 Chesdin Road, South Chesterfield, VA 23803**

MEMBERS PRESENT:

Doug Smith, Chairman (Colonial Heights)
Kevin Massengill, Vice-Chairman (Dinwiddie)
Joseph Casey, (Chesterfield)
Aretha Ferrell-Benavides, (Petersburg)

ALTERNATES PRESENT:

Frank Haltom, (Alternate, Prince George)
Lionel Lyons, (Alternate, Petersburg)

ABSENT:

Percy Ashcraft, (Prince George)
George Hayes, Secretary/Treasurer (Alternate, Chesterfield)
Scott Morris, (Alternate, Chesterfield)
Todd Flippen, (Alternate, Colonial Heights)

STAFF PRESENT:

Robert B. Wilson, Executive Director, (ARWA & SCWWA)
James C. Gordon, Asst. Executive Director (ARWA & SCWWA)
Arthur Anderson, (McGuire Woods)
Melissa Wilkins, Accounting/HR/Business Manager/FOIA
(ARWA & SCWWA)
Kathy Summerson, Administrative Assistant (SCWWA)

OTHERS PRESENT:

Andrew Barnes, (Petersburg)
John Derby, (Hazen and Sawyer)

1. Call to Order/Roll Call

The ARWA meeting was called to order by Mr. Smith, Chairman, at 2:04 p.m.

The roll was called:	Doug Smith	Present
	Kevin Massengill	Present
	Joseph Casey	Present
	Frank Haltom	Present

2. Approval of Minutes: Minutes of the Regular Meeting of the Board on March 12, 2020

Upon a motion made by Dr. Casey and seconded by Mr. Haltom the following resolution was adopted:

RESOLVED, that the Minutes of the Regular Meeting of the Board on March 12, 2020 are hereby approved:

For: 4 Against: 0 Abstain: 0

3. Public Comment

There were no Public Comments.

4. Executive Director's Report

• FY21 Budget Discussion

Mr. Wilson stated the FY21 Budget was approved at the March 12, 2020 Board meeting, but subsequent to that we have had the Covid-19 crisis. He further stated our five members have indicated that they are not going to offer cost of living or any kind of merit raises. He stated we went back and looked at the budgets for both Authorities and pulled out what we had for raises and for two new positions. We made sure we tied everything back to the previously presented Budget in January, where we highlighted the two new positions, salary associated with these positions, the benefits, and the salary adjustments for staff. He stated we came up with four scenarios. He further stated we can delay the two positions, take salary adjustments out, and add in a minor health care increase. We are recommending approval of scenario number four.

Dr. Casey stated if things get better in six months from now and we have a different environment, what would be the mechanism where you could come back and restore certain things for employees with salaries, adjustments, etc., without having to change rates. Mr. Wilson stated that seldom in our rates do we ever come

in either right on the line or less, usually we come in a smidgeon on the high side. He further stated we do have reserves. He stated in case there was a reason that we could make an adjustment later in the year, we would come to the Board to get permission to use that. Dr. Casey suggested we have a fall meeting and get a fresh look at this topic. Mr. Wilson stated this would be put on a future agenda. Dr. Casey asked if either Authority got direct Cares Act Funding through the State, and Mr. Wilson answered we did not.

Mr. Wilson stated we are requesting approval of scenario number four to move forward and advertise it for September 10, 2020.

Mr. Anderson prepared a Resolution for providing preliminary approval of the Amended FY21 budget and the related payment schedule that was included in the Board package.

Upon a motion made by Mr. Massengill and seconded by Mr. Haltom the following resolution was adopted:

RESOLVED, that the Resolution is approved as amended with insertion of September 10, 2020 and scenario number four:

Casey	Aye
Haltom	Aye
Massengill	Aye
Smith	Aye

For: 4 Against: 0 Abstain: 0

- **Proposed Work Plan**

Mr. Wilson reported on the proposed work plan and went over the Board Items.

Development of a Technical Advisory Committee: Mr. Haltom stated he would like some of the Plant Managers to attend the meetings.

Completion of Service Agreement #4: Dr. Casey stated ARWA has done everything they can on this topic and bring it back as an agenda topic next year. Mr. Haltom asked for this to be explained, and Mr. Wilson stated there were two main issues: (1) you legally own capacity in the plant; and, (2) you have the ability to sell part of that capacity. Mr. Smith stated this is one we could put on hold and bring it back if future discussion is warranted.

Source Water Expansion: Mr. Wilson stated our VWP permit expires in October 2028, so we would start contacting DEQ in 2025 to figure out the studies and engineering evaluations necessary for the permit renewal. Mr. Smith stated this would be ongoing and monitored and we would discuss this as needed.

Bylaw Review/Revisions: Mr. Smith stated this is just a standard review.

Brander's Bridge Pump Station and Ground Tank: Mr. Smith stated this item was before he became City Manager, and at the appropriate time he is open to discussing options and what may be good for the Authority. This item will be brought to the Board when there is a potential need. Mr. Haltom stated Prince George is getting ready to design a million-gallon tank and booster station. Dr. Casey commented that what they are doing on their side of the infrastructure may mitigate what this project is. Mr. Smith stated that we have this as information for the Board and future discussions could take place when necessary. Mr. Haltom stated they are accepting engineering proposals now for the design of the pump station and tank. They hope to start design in about two months.

Plant and Reservoir Tours: Mr. Smith stated when ARWA is ready to do this to contact all members. Mr. Wilson stated now that we have gone through the \$12.3 million upgrade, we would like to illustrate what was replaced.

Mr. Massengill asked Mr. Wilson if the Source Water Expansion included the raising of the dam, and Mr. Wilson replied that we will review all the alternatives again. Mr. Massengill asked that the bridge over Whippernock Creek be included in any dam raising discussions. Mr. Wilson asked if the bridge was included in the six-year VDOT plan, and Mr. Massengill replied that it was not, that their six-year plan at this time is limited to rural rustic improvements in the County.

- **Hydrilla Update**

Mr. Wilson reported on the Hydrilla Update. He stated we had done some additional surveys and it seemed to be staying in the same areas. He further stated we wanted to start the informational part of the public education. He stated that we would be putting the information out at the marinas and different access points. He contacted Dinwiddie County and Chesterfield County to see if they had a list of homeowner associations. He asked members if they wanted ARWA to contact respective Board of Supervisor members or did they want to do it themselves. Mr. Massengill replied to give it to him for Dinwiddie, and Dr. Casey stated to talk to Mr. Hayes.

- **Status Report: Status Report: Ongoing Projects**

Mr. Wilson reported on the Status Report/Ongoing Projects. He stated we had talked about treating the reservoir as the algae count went through the roof, so we are treating again today. He further stated there may come a point that we may have to get some assistance on doing some septic surveys around the lake. We are concentrating on two creeks where we have noticed the highest algae counts, and both areas around that are on septic tanks. We may have to look at this in the future.

- **Water Wise Suggested Conservation Methods**

Mr. Wilson stated we offer this as information only and is posted on our website. He further stated if members would like a copy of it in Word document to modify for their website, we would be glad to supply that.

- **Financials**

Mr. Wilson reported on the Financials. Dr. Casey asked about the alum settlement and Ms. Wilkins answered that the checks are still coming in.

5. **Items from Counsel**

Mr. Anderson stated as our legal counsel he must make sure that we have access to the latest FOIA Act.

6. **Closed Session**

There was no Closed Session.

7. **Other Items from Board Members/Staff Not on Agenda**

Mr. Wilson presented a handout to members on Streamflow and stated this was for informational purposes only.

Ms. Ferrell-Benavides arrived at 2:47 p.m. and Mr. Lyons arrived at 2:49 p.m.

Dr. Casey asked if there had been any more discussion from those seeking hunting ground, and Mr. Wilson replied we have not heard another word.

Mr. Massengill asked about the irrigation withdrawal letters, and Mr. Wilson said we had a list of those who had not done it. He stated once the emergency order has been lifted, we will be starting face to face. He further stated that we are going out and doing dock inspections.

Mr. Smith asked Mr. Haltom if he had any summary information to be provided to members from the previous discussion we had on the tank and pump station project, and Mr. Haltom spoke about the million-gallon tank and three million gallon per day booster station. He stated they are still waiting to hear about their intake permit. They have not received the official response letter from DEQ, and it has been eighteen months. He stated they have submitted their response back to those who have asked them questions through email. He further stated they are moving forward as soon as possible, even without Branders Bridge.

8. **Adjourn**

Mr. Smith stated, if there is no other business, and asked for motion to adjourn.

Upon a motion made by Mr. Massengill and seconded by Dr. Casey the meeting was adjourned at 2:51 p.m.

MINUTES APPROVED BY:

George Hayes
Secretary/Treasurer



APPOMATTOX RIVER WATER AUTHORITY
21300 Chesdin Road
Petersburg, VA 23803



SOUTH CENTRAL WASTEWATER AUTHORITY
900 Magazine Road
Petersburg, VA 23803

GUIDELINES FOR PUBLIC COMMENT AT SCWWA/ARWA BOARD OF DIRECTORS MEETINGS

If you wish to address the SCWWA/ARWA Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chairman asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for "Public Comment Period." Each person will be allowed to speak for up to three minutes.

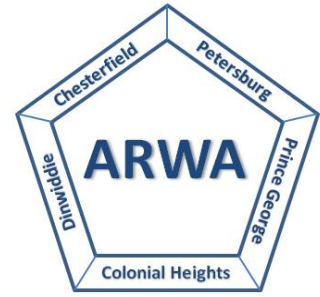
When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During the Public Comment Period, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion presentations may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meeting, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chairman. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chairman;
- Come forward and state your full name and address. If speaking for a group, state your organizational affiliation;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing;
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the Public Comment Period has been closed;
- At the request of the Chairman, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.

Appomattox River Water Authority



21300 Chesdin Rd. - S. Chesterfield, VA 23803 - Phone (804) 590-1145 - Fax (804) 590-9285

EXHIBIT C

TO: Appomattox River Water Authority Board of Directors

FROM: Robert Wilson, Executive Director
James Gordon, Assistant Executive Director

DATE: September 10, 2020

SUBJECT: FY21 Budget Adjustment
Public Hearing

At the July 16th meeting staff presented a revised budget to reflect the deletion of two positions, the maintenance manager and maintenance mechanic, the removal of proposed FY21 salary adjustments and the minor addition of FY21 health care costs. The Board discussed the revised budget and authorized staff to move forward with scheduling a public hearing for Thursday, September 10th at 2:00 p.m. at the South Central Wastewater Authority located at 900 Magazine Road, Petersburg, VA 23803.

The public hearing was advertised on Sunday, August 23rd and Sunday, August 30th. Copies of the advertisement are included as Attachment #1.

Attachment #2 is the comparison of the March 12th approved budget and the July 16th revised budget.

Board Action Requested:

Staff requests the Board review the attached budget dated July 16th, conduct the public hearing on September 10, 2020 at the South Central Wastewater Authority as advertised, discuss any comments raised and take action based on your findings from the public hearing. Staff's recommendation is for approval of the FY2020-21 budget dated July 16th, included as Attachment #2.

The Appomattox River Water Authority and South Central Wastewater Authority provide wholesale water treatment, transmission and wastewater treatment services to their member jurisdictions: Chesterfield County, the City of Colonial Heights, Dinwiddie County, the City of Petersburg, and Prince George County. These members pay wholesale water and wastewater rates and charges. Each member jurisdiction operates its own separate public retail water distribution and wastewater collection systems with different water and wastewater retail utility rates charged to its customers.

On July 16, 2020, each authority board adopted a resolution (i) providing preliminary approval of budget amendments for FY2021 and corresponding changes to the authority's schedule of rates, fees and charges for FY2021 (the "Proposed FY2021 Amended Rates") and (ii) called for a public hearing to be held on September 10, 2020 at 2:00 p.m. at the South Central Wastewater Authority located at 900 Magazine Road, Petersburg, VA 23803 regarding the Proposed FY2021 Amended Rates. Any person interested may appear at the meeting and present their views regarding the Proposed FY2021 Amended Rates. The Proposed FY2021 Amended Rates are as follows:

APPOMATTOX RIVER WATER AUTHORITY

RATES (\$/1,000 gallons)

	FY2021
Chesterfield County	\$0.9980
City of Colonial Heights	\$1.0254
Dinwiddie County	\$1.4457
City of Petersburg	\$0.9946
Prince George County	\$1.3537

SOUTH CENTRAL WASTEWATER AUTHORITY

REVENUE DETAIL BY MEMBER JURISDICTION

	FY2021
City of Petersburg	\$5,001,502
City of Colonial Heights	1,622,362
Chesterfield County	751,989
Prince George County	579,244
Dinwiddie County	779,503
TOTAL	\$8,734,600

The South Central Wastewater Authority (SCWWA) has also proposed to maintain (i) the septage rate of the greater of \$25.00 per truck or \$0.05 per gallon offloaded and (ii) the leachate rate of \$0.095 per gallon offloaded. Pursuant to a resolution adopted by the Board of SCWWA on January 18, 2018, all septage, leachate and other special revenues not paid by the member jurisdictions pursuant to the wastewater service agreement are to be deposited in the Capital Reserve Account and held for use with Board approval to fund future capital improvement projects or to pay SCWWA's operating expenses in the event of unanticipated financial emergencies.

APPOMATTOX RIVER WATER AUTHORITY

Proposed: January 16, 2020

Approved: March 12, 2020

Revised: July 16, 2020

PROPOSED OPERATION & MAINTENANCE BUDGET 2020/2021

	<u>2020/2021 Approved</u> March 12, 2020	<u>2020/2021 Revised</u> July 16, 2020	Increase/ (Decrease)	Change
				Reason for Changes
<u>O&M EXPENSES</u>				
41000 · Salary	\$1,860,000	\$1,700,000	-\$160,000	<i>Revised salary budget reflects approved FY2021 budget minus salary adjustment, minus new maintenance manager position, and minus new mechanic position</i>
42000 · Employee Benefits	\$817,100	\$760,200	-\$56,900	<i>Revised employee benefits budget reflects FY2021 budget minus VRS and FICA related to previous salary adjustments and new positions. Revised budget reflects increase in employer hospitalization insurance.</i>
42100 · Employer FICA	\$141,000	\$131,000	-\$10,000	
42200 · Virginia Retirement System	\$107,000	\$97,000	-\$10,000	
42210 · Deferred Comp 457	\$7,500	\$7,500		
42300 · Hospitalization Insurance	\$530,000	\$493,100	-\$36,900	
42400 · VRS Group Life Insurance	\$22,000	\$22,000		
42500 · Group Term Life	\$2,100	\$2,100		
42600 · Unemployment Insurance	\$2,000	\$2,000		
42800 · Employee Promotions	\$3,500	\$3,500		
42900 · Other Fringe Benefits - EAP	\$2,000	\$2,000		
42950 · OPEB Health Insurance Adj	\$0	\$0		
42952 · Net Pension Adjustment				
43000 · Contractual Services	\$1,188,000	\$1,188,000	\$0	<i>Reclassified concrete repair from replacement budget to Service Contracts</i>
43121 · Auditing Services	\$8,000	\$8,000		
43122 · Accounting Services	\$16,000	\$16,000		
43130 · Legal/Engineering and Reservoir Studies	\$100,000	\$100,000		
43140 · Consulting Engineers	\$85,000	\$85,000		
43150 · Legal Services	\$75,000	\$75,000		
43152 · Medical - Testing	\$2,500	\$2,500		
43155 · Other Consulting Services	\$15,000	\$15,000		
43156 · Admin and Maintenance Svc-SCWWA	\$0	\$0		
43160 · Trustee Services	\$9,500	\$9,500		
43162 · Bank Service Charges	\$2,500	\$2,500		
43170 · Research	\$17,500	\$17,500		
43180 · Potable Water Contract	\$510,000	\$510,000		

APPOMATTOX RIVER WATER AUTHORITY

Proposed: January 16, 2020

Approved: March 12, 2020

Revised: July 16, 2020

PROPOSED OPERATION & MAINTENANCE BUDGET 2020/2021

			Change	
	<u>2020/2021</u> <u>Approved</u> March 12, 2020	<u>2020/2021</u> <u>Revised</u> July 16, 2020	Increase/ (Decrease) FY19/20 to FY20/21	Reason for Changes
43190 · Samples and Tests	\$40,000	\$40,000		
43200 · Lake Patrol	\$4,000	\$4,000		
43201 · Reservoir Management - Invasive Control Program	\$50,000	\$50,000		
43210 · Software Support	\$40,000	\$40,000		
43220 · VPDES Permit Fee	\$30,000	\$30,000		
43310 · Repair Services	\$25,000	\$25,000		
43320 · Service Contracts	\$125,000	\$125,000		
43500 · Printing and Binding	\$3,000	\$3,000		
43600 · Grounds Maintenance	\$30,000	\$30,000		
45000 · Other Charges	\$1,055,700	\$1,055,700	\$0	
45110 · Electricity - Pumping	\$500,000	\$500,000		
45111 · Electricity - Purification	\$275,000	\$275,000		
45120 · Heating Fuel	\$65,000	\$65,000		
45130 · Trash Pickup	\$5,500	\$5,500		
45210 · Postal Services	\$1,200	\$1,200		
45220 · Freight	\$15,000	\$15,000		
45230 · Telecommunications	\$35,000	\$35,000		
45308 · General Liability Insurance	\$96,000	\$96,000		
45410 · Lease/Rent of Equipment	\$20,000	\$20,000		
45530 · Meals and Lodging	\$5,000	\$5,000		
45540 · Education and Training	\$20,000	\$20,000		
45550 · Safety Supplies	\$18,000	\$18,000		
46000 · Materials and Supplies	\$2,802,000	\$2,802,000	\$0	<i>Electrical responsibilities have been transferred from the shop to IT and the respective budgets reflect this change.</i>
46001 · Office Supplies	\$12,000	\$12,000		
46004 · Laboratory Supplies	\$75,000	\$75,000		
46005 · Purification Chemicals	\$2,300,000	\$2,300,000		
46006 · Purification Process and Janitorial Supplies	\$25,000	\$25,000		
46007 · Repair & Maint Supplies-Shop	\$115,000	\$115,000		
46008 · Vehicle and Equipment Fuels	\$25,000	\$25,000		
46009 · Vehicle and Equipment Supplies	\$20,000	\$20,000		
46010 · Equipment Parts and Small Equipment Purchases	\$55,000	\$55,000		

APPOMATTOX RIVER WATER AUTHORITY

Proposed: January 16, 2020

Approved: March 12, 2020

Revised: July 16, 2020

PROPOSED OPERATION & MAINTENANCE BUDGET 2020/2021

			Change	
	<u>2020/2021</u> <u>Approved</u> March 12, 2020	<u>2020/2021</u> <u>Revised</u> July 16, 2020	<u>Increase/</u> <u>(Decrease)</u> FY19/20 to FY20/21	Reason for Changes
46011 · Uniforms	\$10,000	\$10,000		
46012 · Dues and Subscriptions	\$25,000	\$25,000		
46014 · Repair & Maint Supplies-IT	\$125,000	\$125,000		
46015 · Small Equipment Purchases	\$0	\$0		
46016 · Operations Supplies and Maintenance	\$15,000	\$15,000		
Total Operating Expenses	\$7,722,800	\$7,505,900	(\$216,900)	
58000 · Equipment Replacement	\$1,212,500	\$1,212,500	\$0	
Debt - 2010 Issue	\$451,220	\$451,220	\$0	2010 Series refunded as 2019
Debt - 2012 Issue	\$301,636	\$301,636	\$0	
Debt - 2017 Issue	\$1,080,517	\$1,080,517	\$0	
Debt - 2019 Issue (2010 Refunded)	\$257,283	\$257,283	\$0	Refunded 2010 series bond.
Total Debt	\$2,090,656	\$2,090,656	\$0	
Reserve Fund	\$124,050	\$15,600	(\$108,450)	
Total Expenses	\$11,150,006	\$10,824,656	(\$325,350)	

APPOMATTOX RIVER WATER AUTHORITY
Replacement Fund Budget - 58000

		FY20/21		INFORMATIONAL & PLANNING						
Acct#	Proposed FY ITEM	Current Budget 19/20	Proposed Budget 20/21	21/22	22/23	23/24	24/25	Totals		
58010 - Machinery and Motors	Emergency/ Miscellaneous Repairs	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000		
	Replace filter actuators and valves		\$ -	\$ 34,000	\$ 34,000	\$ -	\$ -	\$ 68,000		
	HVAC Replacement	\$ 15,000						\$ 15,000		
	Dual Polymer Feed System	\$ 30,000						\$ 30,000		
	Filter 1-16 flow meter upgrade	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000			\$ 60,000		
	Spare RW and FW motors		\$ 200,000					\$ 200,000		
	Lightning Rapix Mix - Spare		\$ 175,000					\$ 175,000		
	Interior/Exterior Actuator Replacement	\$ 15,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000		\$ 135,000		
58020 - Instrumentation	Verizon RTU modem mandatory upgrade	\$ 30,000						\$ 30,000		
	YSI ProDSS Meter and Sonde	\$ 10,000						\$ 10,000		
	Chesdin East PLC Swap Out	\$ 12,000						\$ 12,000		
	Replace Sedimentation Basin sludge PLCs			\$ 90,000	\$ 90,000			\$ 180,000		
	PLC HMI @ Raw Water and Chlorine		\$ 15,000					\$ 15,000		
	Replacement AA		\$ 25,000					\$ 25,000		
58030 - SCADA	IFIX Upgrade		\$ 250,000					\$ 250,000		
58040 - Computer Equipment	>\$5,000 per items (server)	\$ 10,000	\$ 12,500	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 62,500		
58050 - Furniture and Fixtures	Upgrade Facility Lighting	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,000		
58060 - Motor Vehicles	2003 Maintenance Supervisors 4x4	\$ 35,000						\$ 35,000		
	2005 Lab Ford Explorer	\$ 35,000						\$ 35,000		
	Fleet 4dr 4x4 (Replace 1998 GMC)	\$ 35,000						\$ 35,000		
	Fork Lift - small telescopic	\$ 45,000						\$ 45,000		
	4dr 4x4 Pick Up		\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 200,000		
	Telescopic forklift	\$ 85,000						\$ 85,000		
	Tractor 50 hp			\$ 75,000				\$ 75,000		

58070 - Special Studies (Moved to O&M)	Groundwater Quality Monitoring Plan			\$ -					
	Legal/Engineering analysis and studies	\$ -		\$ -					
58090 - Construction	Valve Replacement	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000	
	PG Meter Vault Upgrade (16")	\$ 30,000		\$ 30,000					
	General Concrete Repairs	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
	Install Bollards and Security Fences at Remote Sites	\$ 10,000		\$ 10,000					
	Matoaca Meter and Meter Box	\$ 125,000		\$ 125,000					
	Security Infrastructure Upgrades (Federal Water Infrastructure Act study recommendations)		\$ 250,000	\$ 250,000					
	Replace Cone Valve			\$ 500,000					
	Replacement of Single pane windows			\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000	
	TOTALS:		\$ 768,000	\$ 1,212,500	\$ 519,000	\$ 594,000	\$ 380,000	\$ 850,000	\$ 4,323,500

Construction Fund (Capital Projects)
FY20/21

ITEM	Budget	Proposed Budget	INFORMATIONAL & PLANNING								Totals	>10 years
	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29		
Finished Water Pump Stations No. 1 Upgrade - see note 2	\$ 3,886,983										\$ 3,886,983	
Raw Water Pump Station No. 1 Upgrade - see note 2	\$ 2,321,263										\$ 2,321,263	
Clearwell #4											\$ -	\$ 8,750,000
PAC Feed System					\$ 2,500,000						\$ 2,500,000	
Rebuild Filters 1-8					\$ 5,500,000							
Lagoon Liners					\$ 5,500,000							
Transmission Main - Chesdin Rd. to Pickett Rd											\$ -	\$ 10,369,000.00
Transmission Main - Pickett Ave. to Matoaca Tank											\$ -	\$ 10,369,000.00
Transmission Main - Matoaca Tank to Branders Bridge											\$ -	\$ 11,946,000.00
Transmission Main - Branders Bridge to Lakeview											\$ -	\$ 3,526,000.00
Totals	\$ 6,208,245	\$ -	\$ -	\$ -	\$ 13,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,708,245	

- 1) The above items for information only. Approval required from BOD at time of project award.
- 2) Bond Funding will be required for these Proposed Capital Project.
- 3) The PAC feed system and Lagoon lining would be regulatory driven

Revenues

Appomattox River Water Authority

FY Budget Year **2020/2021** Proposed Jan. 16, 2020 Adopted Mar. 12, 2020 Revised Jul. 16, 2020

		<u>Chesterfield</u>	<u>Colonial Heights</u>	<u>Dinwiddie</u>	<u>Petersburg</u>	<u>Prince George</u>	<u>Total</u>
1) Operations and Maintenance Base Rate							
O&M Rate							
	\$/1000 gallons	\$ 0.9946	\$ 0.9946	\$ 0.9946	\$ 0.9946	\$ 0.9946	\$ 0.9946
Estimated (\$/quarter)	\$	1,862,481	\$ 150,721.65	\$ 102,591	\$ 437,612	\$ 64,454	\$ 2,617,859.23
Total annual allocation	\$	7,449,924	\$ 602,887	\$ 410,363	\$ 1,750,449	\$ 257,814	\$ 10,471,437
% of flows		71.15%	5.76%	3.92%	16.72%	2.46%	100.00%
Estimated (mgd)		20.521	1.661	1.130	4.822	0.710	28.843
Calc. annual usage (bg)		7,490	0.606	0.413	1,760	0.259	10,528
O&M =	\$	7,505,900	Replacement \$ 1,212,500	54.38% 2019 Debt (maintenance)	\$	385,284	
Int./Misc. Income	\$	30,000	100% 2012 Debt \$ 301,636	100% 2017 Debt \$ 1,080,517	Reserve Funding		\$15,600
BASE RATE	\$/1000gals	\$ 0.9946	\$ 0.9946	\$ 0.9946	\$ 0.9946	\$ 0.9946	
2) Expansion Rate							
Bonds	% Financed						
Rate (cents/1000 gals)		\$ 0.0034	\$ 0.0307	\$ 0.4511	\$ -	\$ 0.3590	
2019 expansion (\$/year)	45.62%	\$ 25,437	\$ 18,617	\$ 186,110	\$ -	\$ 93,055	\$ 323,219
% allocation		7.87%	5.76%	57.58%	0.00%	28.79%	100.00%
FY20/21 Bond Payments	2019 refunding =	\$ 708,503					
TOTAL DEBT SERVICE RATE	\$/1000 gals	\$ 0.0034	\$ 0.0307	\$ 0.4511	\$ -	\$ 0.3590	
	\$/year	\$ 25,437	\$ 18,617	\$ 186,110	\$ -	\$ 93,055	\$ 323,219
3) Total Rate							
TOTAL RATE (BASE + EXPANSION)	\$/1000gals	\$ 0.9980	1.0254	1.4457	0.9946	1.3537	\$ 1.1635
Estimated annual charges	\$/year	\$ 7,475,361	\$ 621,504	\$ 596,473	\$ 1,750,449	\$ 350,869	\$ 10,794,656
4) Budget Comparison (see note 1)							
Revised FY20/21 Total Rate	\$/1000 gals	\$ 0.9980	\$ 1.0254	\$ 1.4457	\$ 0.9946	\$ 1.3537	\$ 1.1635
Approved FY 20/21 Total Rate	\$/1000 gals	\$ 1.0289	\$ 1.0563	\$ 1.4766	\$ 1.0255	\$ 1.3846	\$ 1.1944
Total Rate Difference	\$/1000 gals	\$ (0.0309)	\$ (0.0309)	\$ (0.0309)	\$ (0.0309)	\$ (0.0309)	\$ (0.0309)
Total Rate Difference	%	-3.00%	-2.93%	-2.09%	-3.01%	-2.23%	-2.59%
Revised FY20/21 Revenues	\$/year	\$ 7,475,361	\$ 621,504	\$ 596,473	\$ 1,750,449	\$ 350,869	\$ 10,794,656
Approved FY20/21 Revenues	\$/year	\$ 7,706,832	\$ 640,236	\$ 609,223	\$ 1,804,836	\$ 358,879	\$ 11,120,006
Annual Cash Difference	\$/year	\$ (231,471)	\$ (18,732)	\$ (12,750)	\$ (54,387)	\$ (8,010)	\$ (325,350)
Annual Revenue Difference	%	-3.00%	-2.93%	-2.09%	-3.01%	-2.23%	-2.93%
FY 20/21 Expenses	\$	10,824,656	FY 20/21 Income Revenue	\$	10,824,656		

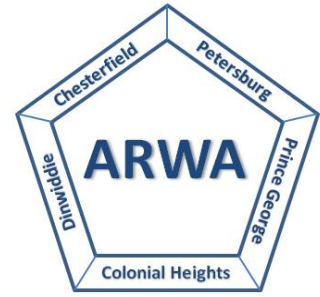
NOTES:

Reserve Policy: Appomattox River Water Authority FY20/21

Reserve Fund Calculation

ARWA O&M Budget	Reserves as of 6/30/2019	Revenue for FY2019/2020	Total expected reserves on 6/30/2020	Recommended 50% O&M Reserves	Annual Charge to achieve 50% Reserves
\$7,505,900	\$3,548,600	\$188,750	\$3,737,350	\$3,752,950	\$15,600

Appomattox River Water Authority



21300 Chesdin Rd. - S. Chesterfield, VA 23803 - Phone (804) 590-1145 - Fax (804) 590-9285

EXHIBIT D

TO: Appomattox River Water Authority Board of Directors

FROM: Robert Wilson, Executive Director
James Gordon, Assistant Executive Director

DATE: September 10, 2020

SUBJECT: Prince George Meter Vault Replacement
Award Recommendation

The Authority opened bids for the Prince George Meter Vault Replacement on August 19, 2020 at 2:00p.m. The Authority received six bids:

Perkinson Construction	\$262,300
Waco, Inc.	\$312,000
Southwood Building Systems	\$342,490
Tidewater Utility Construction	\$435,500
Enviroscape	\$447,500
Walter C. Via Enterprises	\$674,560

Our consultant reviewed the low bid submitted by Perkinson Construction and recommends award. The construction estimate for this project was \$263,679.

Funds are available in the current operating budget.

Board action requested:

Staff requests that the Board award the construction contract for the Prince George Meter Vault Replacement to Perkinson Construction in the amount of \$262,300 and authorize the executive director to execute the necessary documents. Staff also requests that the Board authorize a contingency of 10% for potential change orders for a total construction cost of \$288,530. The executive director will be responsible for reporting back to the Board at project completion with a summary of construction costs.

EXHIBIT E

Appomattox River Water Authority

TO: Appomattox River Authority Board of Directors

FROM: Robert B. Wilson, P.E., Executive Director
James C. Gordon, Assistant Executive Director

DATE: September 10, 2020

SUBJECT: Ongoing Projects\Operations

Operating Status Report

This report hits the highlights and does not cover the day to day maintenance or preventive maintenance summaries. Some of the information is duplicate and already been provided through weekly updates since the last meeting was in March.

➤ General

- The next scheduled Board of Directors Meeting is Thursday, November 19, 2020 at the South Central Wastewater Authority at 2:00 pm.
- The new VOSH standard requires employers to classify the exposure risk level for each job position. We classified each position except for administrative positions as “medium”. The executive director and assistant executive director met with the supervisors and provided training on the VOSH standard, preventative measures for reducing Covid-19 transmission, symptoms of Covid-19, testing, close contact, return to work requirements, the Emergency Family and Medical Expansion Act and methods for communicating with supervisors and management to make the workplace safer. Supervisors, in turn, conveyed this information to staff. The information was also provided to staff in writing.
- The significant rain events of August 15th did not create any flooding issues for the plant. The maximum rise for the lake was 20”. Treatment for the raw water became more challenging because of increased turbidity, low pH, and increased TOCs (total organic carbon). In addition, the operators did see elevated manganese levels greater than 0.02 mg/l but less than 0.05 mg/l, the secondary byproduct MCL (maximum contaminant level). Chesterfield County requested they be contacted anytime manganese exceeds 0.02 mg/l. Chesterfield County was notified when the operators

saw the first manganese level of 0.027 mg/l. Operators continued to run manganese tests every hour, began feeding potassium permanganate, increased the chlorine dioxide feed rate, increased alum, and began feeding lime. Jurisdictions should have not experienced any issues. We did not receive any calls from members indicating any issues.

➤ Operations

- Finished water met all permit requirements for July and August.
- The average daily finished water consumption for July was 40.42 mgd and August was 33.8 mgd.
- The lead operator on “C” Shift has taken another position in Isle of Wight. We are advertising for his position which is a Class 1 Water Operator. Currently his position is being filled by one of the Class 1 floaters.
- The lake has been a challenge to treat for August. The heavy runoff has created low pH, high turbidity, and high TOC. The color coming into the plant is around 160 and the finished water color is 4. The effluent turbidity across the filters has been greater than 0.1 NTU. The highest individual filter turbidity was 0.2 NTU and the worst filter performance was still <0.1 NTU 88% of the time. The 0.1 NTU level is a level we try to stay below for the AWWA partnership program. The Virginia Department of Health requirement for an individual filter turbidity is 0.3 NTU. The monthly average will have us below 0.1 NTU.

➤ Maintenance

- Hydrilla surveys continued on the lake.
- We are currently interviewing to fill the vacant maintenance supervisor position.
- Additional algae control in Whippervock Creek with copper sulfate.
- Cleared the drainage easements at outfall #1 and the outfall behind the lagoons.
- Inventorying individual maintenance mechanic tools.
- Creating an inventory for all shop and power tools.
- Developing a laydown yard for spare materials including transmission main materials.
- Identifying mission critical materials for stocking in inventory.
- Basic inhouse electrical training for maintenance staff.
- Installing equipment inventory tags.

➤ Instrumentation

- Evaluating new SCADA host system.
- Working with vendor, Emerge, to replace Ammonia and Rapid Mix PLC's.
- Developing contract for third party vendor to provide support and security for administrative servers – redundant firewalls.
- Remote meter vaults converted to 4G.
- Ordering magmeters for the next four filter venturi replacements.

➤ Laboratory

- Met all the VPDES requirements for July and August for the outfalls.
- Met monthly requirements for VDH report submittals.
- Monitoring diatoms and algae on the lake. Current levels are below action levels.
- Ongoing groundwater monitoring for lagoons.
- Successful completion of WET (whole effluent toxicity) testing for lagoon outfall.
- Ordered new AA analyzer. The AA is used for analyzing metals – copper, iron, and manganese.

➤ Phase I In-plant Project

- Substantial completion issued April 22, 2020.
- Continuing to complete contract requirements – record drawings, list of spare parts and manufacturers, affidavit payment of Debts and Claims, Affidavit Release of Liens
- The punch list items should be completed by the end of September. The main outstanding item is to resolve the necessity for hard resets for VFD's when a phase is lost. Currently the VFD's must be manually reset when there is a phase lost for power. This includes the pumps at RWP1 and FWP1 – 16 pumps. Our electrical consultant, Hazen, is designing the wiring change for Square D.
- Completed second tie-in feed for chlorine dioxide to the raw water line.

➤ Phase II In-plant Project

- Completing electrical tie-ins to new MCC4 – east side of plant.
- Completing new structural steel and roof over chlorine dioxide.
- Finishing up work on new sodium hypochlorite tanks – instrumentation.
- Estimated completion date is December 2020.

➤ Phase III In-plant Project

- We are working on adding additional actuated control valves onsite and surge anticipation protection to FWPS1 and FWPS2. The engineering has been completed.
- We are obtaining pricing from MEB. When we receive this pricing, we will come back to the Board for approval.

➤ 30" Transmission Fortification

- Purchase order has been issued to contractor. Waiting for a dryer time to minimize the pumping around operation.
- Water line checked during heavy rains – no visible issues.

➤ Prince George Meter Replacement

- Separate agenda line item for approval of construction contract.

➤ Fluoride Pump Relocation

- Beginning the engineering process to relocate the fluoride pumps out of an interior room (next to Board Room) next to the fluoride tank outside.
- We plan to reclaim the space for a training area. Reclaiming this area may allow us to reduce some of the fire alarm requirements. The fire requirements were for different chemicals previously housed in the same room.

➤ Hydrilla

- Additional surveys scheduled for the middle of September. With the current haze/iced tea color of the water, the consultant prefers to wait until the lake water is clearer to complete the surveys for this year.
- Going through the brochure to send out to residents to both sides of the lake, including placing at public access points.
- Determining how we will address the public information/outreach portion of the project. This task has been on hold with Covid-19. We have received three hydrilla related inquiries. A list has been created with contact information to ensure anyone who calls in is included on all notifications. All three inquiries were from the Dinwiddie side of the lake.

➤ Docks

Date	Address	Locality	Construction
7/16/2020	19506 Oxford Lane	Dinwiddie	New
7/20/2020	13549 Chesdin Landing Drive	Chesterfield	New
8/27/2020	12406 Chesdin Manor Court	Chesterfield	New

EXHIBIT F

Appomattox River Water Authority-Balance Sheet
For Month Ending August 31, 2020

Assets

Current Assets

Petty Cash	\$	400
SunTrust Operating Fund	\$	2,057,492
SunTrust Replacement Fund	\$	3
Total Unrestricted Cash	\$	2,057,895
Water Revenue	\$	6,751,354
Reserve Account	\$	3,785,207
Replacement Account	\$	500,000
Debt Service Reserve	\$	2,141,174
Bond Principal/Interest	\$	1,895,866
Bond Construction	\$	1,449,135
Total Restricted Cash	\$	16,522,735
Total Checking/Savings	\$	18,580,630
Accounts Receivable	\$	14,563
Other Current Assets	\$	515
Inventory	\$	296,179

Total Current Assets **\$ 18,891,886**

Fixed Assets

Land and Land Rights	\$	1,044,167
Water System	\$	85,599,031
Equipment	\$	1,729,085
Hydro	\$	34,873
Construction in Progress	\$	11,577,223
Accumulated Amortization	\$	(34,873)
Accumulated Depreciation	\$	(51,620,939)
Total Fixed Assets	\$	48,328,567

Other Assets

Def Out Res-Post ER Pension Costs	\$	6,000
Deferred Outflow-OPEB GLI	\$	69,942
Def Out Res-Net Dif Pension Inv	\$	-
Total Other Assets	\$	75,942

Total Assets **\$ 67,296,394**

Liabilities & Equity

Current Liabilities

Accounts Payable	\$	119,221
Retainage Payable	\$	52,738
Accrued Interest Payable	\$	139,596
Total Current Liabilities	\$	311,555

Long Term Liabilities

Def Inf Res-Net Dif Pension Inv	\$	289,931
Def Inf Res-Pen Chg Assumptions	\$	(69,688)
Def Inf Res-Pens Dif Proj/Act E	\$	55,697
Net Pension Liability	\$	(477,262)
Def Infl-OPEB Chg of Assumptions	\$	176
Deferred Inflow-OPEB GLI	\$	13,000
Deferred Inflow-Expect & Actual	\$	16,819
Bonds Payable-2010	\$	444,139
Bonds Payable-2012	\$	2,140,000
Bonds Payable-2017	\$	11,981,000
Bonds Payable-2019 Refunding Bond Payment	\$	6,820,000
Bonds Payable-2019 Def Amt on Refunding	\$	(99,946)
Accrued Leave Payable	\$	185,257
Post Employment Benefit	\$	79,079
OPEB Liability-GLI	\$	118,000
Total Long-Term Liabilities	\$	21,496,202

Total Liabilities **\$ 21,807,757**

Equity

Retained Earnings	\$	(242,961)
Reserve for Operations	\$	3,675,319
Reserve for Water Revenue	\$	6,093,832
Reserve for Replacements	\$	500,000
Reserve for Bond Interest	\$	139,604
Reserve for Debt Service	\$	2,090,663
Reserve for Bond Principal	\$	1,558,000
Reserve for Reserve	\$	3,785,013
Fixed Assets, Net of Debt	\$	29,000,143

Total Equity **\$ 45,488,638**

Total Liabilities & Equity **\$ 67,296,394**

\$ -

Appomattox River Water Authority
YTD Income Statement for the period ending August 31, 2020

Water Rate Center

Revenues and Expenses Summary

<i>Budget</i>	<i>Budget</i>	<i>Actual</i>	<i>YTD Budget</i>	<i>Variance</i>
<i>FY 20/21</i>	<i>Year-to-Date</i>	<i>Year-to-Date</i>	<i>vs. Actual</i>	<i>Percentage</i>

Operating Budget vs. Actual

Revenues

Water Sales	\$ 11,120,006	\$ -	\$ -	\$ -	#DIV/0!
Misc. Revenue	\$ 30,000	\$ -	\$ 842	\$ 842	#DIV/0!
Total Operating Revenues	\$ 11,150,006	\$ -	\$ 842	\$ 842	#DIV/0!

Expenses

Personnel Cost	\$ 2,677,100	\$ 446,183	\$ 356,927	\$ (89,256)	-20.00%
Contractual/Professional Services	\$ 1,188,000	\$ 198,000	\$ 109,962	\$ (88,038)	-44.46%
Utilities	\$ 845,500	\$ 140,917	\$ 141,679	\$ 763	0.54%
Communication/Postal/Freight	\$ 51,200	\$ 8,533	\$ 8,219	\$ (314)	-3.69%
Office/Lab/Purification Supplies	\$ 112,000	\$ 18,667	\$ 14,061	\$ (4,606)	-24.68%
Insurance	\$ 96,000	\$ 96,000	\$ 97,292	\$ 1,292	1.35%
Lease/Rental Equipment	\$ 20,000	\$ 3,333	\$ 5,138	\$ 1,805	54.14%
Travel/Training/Dues	\$ 50,000	\$ 8,333	\$ 1,383	\$ (6,950)	-83.40%
Safety/Uniforms	\$ 28,000	\$ 4,667	\$ 2,467	\$ (2,200)	-47.14%
Chemicals	\$ 2,300,000	\$ 383,333	\$ 444,055	\$ 60,722	15.84%
Repair/Maintenance Parts & Supplies	\$ 355,000	\$ 59,167	\$ 34,899	\$ (24,268)	-41.02%
Total Operating Expenses	\$ 7,722,800	\$ 1,367,133	\$ 1,216,083	\$ (151,051)	-11.05%
Operating Results Suplus/(Deficit)	\$ 3,427,206	\$ (1,367,133)	\$ (1,215,240)	\$ 151,893	-11.11%

Replacement Outlay Budget vs. Actual

Machinery & Motors	\$ 520,000	\$ 86,667	\$ -	\$ (86,667)	-100.00%
Instrumentation	\$ 40,000	\$ 6,667	\$ -	\$ (6,667)	-100.00%
SCADA	\$ 250,000	\$ 41,667	\$ -	\$ (41,667)	-100.00%
Computer Equipment	\$ 12,500	\$ 2,083	\$ -	\$ (2,083)	-100.00%
Motor Vehicles	\$ 40,000	\$ 6,667	\$ -	\$ (6,667)	-100.00%
Valve Replacement	\$ 100,000	\$ 16,667	\$ -	\$ (16,667)	-100.00%
Security Infrastructure Upgrade	\$ 250,000	\$ 41,667	\$ -	\$ (41,667)	-100.00%
Total Capital Outlay	\$ 1,212,500	\$ 202,083	\$ -	\$ (202,083)	-100.00%

Construction Outlay Budget vs. Actual

In-Plant Capital Upgrade	\$ -	\$ -	\$ 335,850	\$ 335,850	#DIV/0!
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Debt Service Budget vs. Actual

Interest Income	\$ -	\$ -	\$ 1,425	\$ 1,425	#DIV/0!
Other (Income)	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Interest Expense	\$ 532,655	\$ 365,372	\$ -	\$ (365,372)	-100.00%
Bond Issuance Cost	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Principal Payments	\$ 1,558,000	\$ 1,558,000	\$ -	\$ (1,558,000)	-100.00%

Other Income/Other Expense

Alum Litigation Proceeds-Received YTD	\$ -	\$ -	\$ 438,692	\$ 438,692	#DIV/0!
Alum Litigation Proceeds-Credited to Members YTD	\$ -	\$ -	\$ -	\$ -	#DIV/0!

**Appomattox River Water Authority
Executive Review
Cash And Debt Highlights
As of April 30, 2020**

Highlights: ARWA Cash Positions		30-Jun-20	31-Aug-20	Change	Explanation
Unrestricted Cash & Investments:					
Petty Cash	\$	400.00	\$ 400.00	\$ -	see explanation (a) below
SunTrust Operating Account	\$	2,811,564.00	\$ 2,057,491.91	\$ (754,072.09)	see explanation (b) below
SunTrust Replacement Fund	\$	2.70	\$ 2.70	\$ -	see explanation (c) below
Restricted Cash and Investments:					
Water Revenue	\$	4,919,509.91	\$ 6,751,353.95	\$ 1,831,844.04	see explanation (d) below
Reserve Account	\$	3,784,839.46	\$ 3,785,206.59	\$ 367.13	see explanation (e) below
Replacement Account	\$	434,099.50	\$ 500,000.00	\$ 65,900.50	see explanation (f) below
Debt Service Reserve	\$	2,141,333.97	\$ 2,141,174.00	\$ (159.97)	see explanation (g) below
2010 Bond Principal/Interest	\$	390,235.20	\$ 583,657.97	\$ 193,422.77	
2012 Bond Principal/Interest	\$	215,765.23	\$ 292,121.12	\$ 76,355.89	
2017 Bond Principal/Interest	\$	747,404.34	\$ 1,020,087.17	\$ 272,682.83	
2019 Bond Principal/Interest	\$	-	\$ -	\$ -	
2017 Construction	\$	1,956,769.11	\$ 1,449,134.55	\$ (507,634.56)	
Total Cash and Investments	\$	17,401,923.42	\$ 18,580,629.96	\$ 1,178,706.54	

Highlights: ARWA Outstanding Bonds		30-Jun-20	31-Aug-20	Change
2010 Bond	\$	440,000.00	\$ 440,000.00	\$ -
2010 Bond-Def Amt on Refund	\$	(33,556.22)	\$ (33,556.22)	\$ -
2010 Bond-Premium	\$	37,695.22	\$ 37,695.22	\$ -
2012 Bond	\$	2,140,000.00	\$ 2,140,000.00	\$ -
2017 Bond	\$	11,981,000.00	\$ 11,981,000.00	\$ -
2019 Bond	\$	6,820,000.00	\$ 6,820,000.00	\$ -
2019 Bond-Def Amt on Refund	\$	(99,945.89)	\$ (99,945.89)	\$ -
Total Bonds Outstanding	\$	21,285,193.11	\$ 21,285,193.11	\$ -

Explanation of Unrestricted and Restricted Cash positions:

- a. On-Hand Petty Cash for incidental expenses
- b. Financial Policy: Based on next four months of O&M expense
- c. Pass-through account: From US Bank to SunTrust Bank for Replacement Fund Requisitions
- d. Financial Policy: Held by Trustee for all operating water revenues
- e. Financial Policy: 50% of current FY O&M Budget
- f. Financial Policy: Must maintain a minimum of \$500K
- g. Financial Policy: Held by Trustee, funded at such amount as may be necessary.

<u>2010</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>		<u>2012</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
Ended June 30					Ended June 30			
					2012	\$ -	\$ 93,906.15	\$ 93,906.15
					2013	\$ 193,000.00	\$ 109,321.50	\$ 302,321.50
					2014	\$ 199,000.00	\$ 103,245.50	\$ 302,245.50
					2015	\$ 205,000.00	\$ 96,983.50	\$ 301,983.50
					2016	\$ 211,000.00	\$ 90,535.50	\$ 301,535.50
					2017	\$ 218,000.00	\$ 83,886.00	\$ 301,886.00
					2018	\$ 225,000.00	\$ 77,019.50	\$ 302,019.50
					2019	\$ 232,000.00	\$ 69,936.00	\$ 301,936.00
2020	\$ -	\$ 11,220.00	\$ 11,220.00		2020	\$ 239,000.00	\$ 62,635.50	\$ 301,635.50
2021	\$ 440,000.00	\$ 11,220.00	\$ 451,220.00		2021	\$ 247,000.00	\$ 55,102.50	\$ 302,102.50
					2022	\$ 255,000.00	\$ 47,321.50	\$ 302,321.50
					2023	\$ 263,000.00	\$ 39,292.50	\$ 302,292.50
					2024	\$ 271,000.00	\$ 31,015.50	\$ 302,015.50
					2025	\$ 280,000.00	\$ 22,475.00	\$ 302,475.00
					2026	\$ 288,000.00	\$ 13,671.00	\$ 301,671.00
					2027	\$ 297,000.00	\$ 4,603.50	\$ 301,603.50
						\$ 3,623,000.00	\$ 1,000,950.65	\$ 4,623,950.65
This was both an expansion and maintenance project					***Maintenance Projects***			
Charged as follows: (45.62%-expansion, 54.38%-allocation					***charged to members based on Allocations***			
<u>2017</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>		<u>2019</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
Year Ended June 30					Year Ended June 30			
2018		\$ 94,350.00	\$ 94,350.00					
2019	\$ 750,000.00	\$ 330,225.00	\$ 1,080,225.00		2020	\$ -	\$ 75,205.83	\$ 75,205.83
2020	\$ 769,000.00	\$ 311,115.98	\$ 1,080,115.98		2021	\$ 90,000.00	\$ 167,283.25	\$ 257,283.25
2021	\$ 789,000.00	\$ 291,516.34	\$ 1,080,516.34		2022	\$ 545,000.00	\$ 160,940.03	\$ 705,940.03
2022	\$ 809,000.00	\$ 271,413.50	\$ 1,080,413.50		2023	\$ 555,000.00	\$ 149,759.83	\$ 704,759.83
2023	\$ 830,000.00	\$ 250,794.88	\$ 1,080,794.88		2024	\$ 565,000.00	\$ 138,011.18	\$ 703,011.18
2024	\$ 851,000.00	\$ 229,647.90	\$ 1,080,647.90		2025	\$ 580,000.00	\$ 125,495.06	\$ 705,495.06
2025	\$ 872,000.00	\$ 207,972.56	\$ 1,079,972.56		2026	\$ 595,000.00	\$ 111,887.68	\$ 706,887.68
2026	\$ 895,000.00	\$ 185,743.70	\$ 1,080,743.70		2027	\$ 615,000.00	\$ 97,223.93	\$ 712,223.93
2027	\$ 918,000.00	\$ 162,936.16	\$ 1,080,936.16		2028	\$ 620,000.00	\$ 81,701.76	\$ 701,701.76
2028	\$ 941,000.00	\$ 139,549.94	\$ 1,080,549.94		2029	\$ 640,000.00	\$ 65,204.26	\$ 705,204.26
2029	\$ 965,000.00	\$ 115,572.46	\$ 1,080,572.46		2030	\$ 655,000.00	\$ 47,762.13	\$ 702,762.13
2030	\$ 989,000.00	\$ 90,991.14	\$ 1,079,991.14		2031	\$ 670,000.00	\$ 29,438.75	\$ 699,438.75
2031	\$ 1,015,000.00	\$ 65,780.82	\$ 1,080,780.82		2032	\$ 690,000.00	\$ 10,021.25	\$ 700,021.25
2032	\$ 1,040,000.00	\$ 39,928.92	\$ 1,079,928.92					
2033	\$ 1,067,000.00	\$ 13,422.86	\$ 1,080,422.86					
						\$ 6,820,000.00	\$ 1,259,934.94	\$ 8,079,934.94
Maintenance Projects					***This was both an expansion and maintenance project***			
charged to members based on Allocations					***Charged as follows: (45.62%-expansion, 54.38%-allocation***			

Alum Litigation Proceeds	ARWA	SCWWA
1/1/2019	\$ 98,254.00	\$ 14,943.00
6/1/2019	\$ 43,519.26	\$ 6,618.44
9/1/2019	\$ 590,063.00	\$ 89,737.00
9/23/2019	\$ 61,040.99	\$ 9,283.16
1/15/2020	\$ 21,050.00	\$ 3,201.00
4/14/2020	\$ 122,082.00	\$ 18,566.00
5/27/2020	\$ 61,040.99	\$ 9,283.16
Total To Date: 6/30/20	\$ 997,050.24	\$ 151,631.76
7/1/2020	\$ 95,631.00	\$ 14,544.00
7/30/2020	\$ 299,100.83	\$ 45,487.47
7/30/2020	\$ 43,959.81	\$ 6,685.44
Total To Date: 8/31/20	\$ 1,435,741.88	\$ 218,348.67

Notes:

- (1) ARWA litigation proceeds are refunded to the members as credits on their quarterly billing.
- (2) SCWWA litigation proceeds are placed in the LGIP fund for the plant.
- (3) The proceeds for the month of July 2020 will be credited on your FY21, first quarter bill.