ANDERSON REGIONAL
JOINT WATER SYSTEM

998 Hunters Trail Anderson, SC 29625 Phone: 864-332-6534 Fax: 864-224-6116

BOARD AGENDA

Board of Commissioners
May 2025

I. Minutes April 23, 2025

II. Informational Reports

1. Finance and Administration Report
2. Operations and Maintenance Report

Future planned Board meeting dates are:

- June 25, 2025
- August 27, 2025
- October 22, 2025

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MINUTES OF THE ANDERSON REGIONAL JOINT WATER SYSTEM April 23, 2025

LET THE MINUTES SHOW THAT THE MEDIA WERE NOTIFIED OF THIS MEETING IN ACCORDANCE WITH THE SOUTH CAROLINA FREEDOM OF INFORMATION ACT.

A QUORUM OF THE BOARD IS PRESENT.

COMMISSIONERS PRESENT: Benjie McGill, City of Clemson; Patrick Jackson, Starr-Iva Water; Matt Ruff, Big Creek-Hammond; Tracy Durham, Sandy Springs Water; Scott Banks, City of Anderson; Murray Dodd, Powdersville Water; Mitch Ellenburg, Belton-Honea Path Water; Phillip Mishoe, Town of Central; Don King, Homeland Park Water; John Lollis, West Anderson Water

OTHERS PRESENT: Chris Weber, ARJWS; Kendall Cleary, ARJWS; Billy Bolger, Clemson University; Brandon Good, ARJWS; Justin Clemones, ARJWS; Jodi Logan, ARJWS; Brannon Bridges, ARJWS; Cameron Spencer, GMC; Andy Blondeau, City of Clemson; Billy Peele, Starr-Iva Water

Chairman Patrick Jackson called the Board meeting of Anderson Regional Joint Water System to order at 12:00 p.m. on April 23, 2025.

Chairman Patrick Jackson asked for any Commissioner comments. Mr. Jackson acknowledged Mr. Murray Dodd's attendance as the newly elected Board Member for Powdersville Water. Mr. Jackson asked Mr. Clemones to introduce ARJWS's new hire, Brannon Bridges. Mr. Bridges was hired on April 7, 2025, as a Water Maintenance Tech II. Mr. Bridges holds a Water Distribution A license and has 21 years of experience in the industry.

Chairman Patrick Jackson asked for any public comments. There were none.

Mr. Lollis motioned to approve the February 26, 2025, minutes. Ms. Durham seconded. Motion carried.

I. Consent Calendar (Old Business)

1. None

II. Items Requiring Immediate Action

1. FY 2025/26 Budget – First Reading

Ms. Cleary is seeking approval of the first reading of the fiscal year 2025/26 annual budget. Ms. Cleary discussed any line items with significant increases/decreases in detail and provided reasons for changes. Increased line items are due to ARJWS emphasizing safety, earmarks for Source Water, dredging both upper and lower lagoons, tank maintenance, and SRF 2025 debt issuance. Reduced line items entail non-recurring maintenance expenses from the previous year and reduced employer benefit contributions. The proposed annual budget is $15.29 million. The budget will fund $8.32 million in annual operating expenses, $5.37 million in annual debt service, and $1.61 million in system R&R. In total, the proposed budget represents a 9.23% net change over the approved FY 2024/25 budget. Mr. Jackson asked if there were any comments; there were none. Mr. McGill motioned to approve the first reading of the proposed FY 2025/26 annual budget. Mr. Ellenburg seconded. The motion was unanimous.

2. Clemson University Wholesale Rate – FY 2025/26

For the current fiscal year, the adopted rate by the Board is $2.17 per thousand gallons. Ms. Cleary recommended setting the water rate service for Clemson University at $2.31 per thousand gallons for FY 2025/26. Total System budgetary cost of supply will increase by 9.23% under the proposed FY 2025/26. Increased water deliveries have mitigated these expected cost increases over the past two calendar years. The increase in deliveries spreads the supply cost over a larger base. This results in full cost recovery for normal service and the fixed capital costs for the 2.0 MGD of reserve capacity. Based on recent demand, a water rate of $2.31 per thousand gallons will collect the required revenue. Mr. Jackson asked if there were any questions or comments; there were none. Mr. Banks motioned to approve the rate for Clemson University at $2.31 per thousand gallons for FY 2025/26. Mr. Lollis seconded. The motion was unanimous.

III. Discussion (New Business)

1. Director's Report (Oral)

Mr. Weber discussed the consumer confidence report (CCR) and informed Members that ARJWS had sent them the data necessary to complete their report. He also discussed the UCMR 5 reporting as it relates to the CCR.

Mr. Weber reported on the state updates related to fluoridation and national updates related to PFAS. Mr. McGill asked Mr. Weber to send a statement summarizing ARJWS fluoridation practices.

Mr. Weber informed Members that Filter Media testing was completed and the results were received.

IV. Informational Reports

1. Finance and Administration Report
2. Operations and Maintenance Report

These reports are for information and for each Member to review as written. A copy of each report is attached to the file of these minutes.

VI. Adjournment

With no further business, Mr. Mishoe made a motion to adjourn at 12:35 p.m. Mr. Lollis seconded. Motion carried.

Respectfully submitted,

Benjie McGill

Secretary/Treasurer

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COMMITTEE SUMMARY

Executive Committee
May 19, 2025
11:30 am

Discussion Summary

1. **Budget**
   Discussed the budget and no changes were made since First Reading in April. The projected increased revenue requirement of 9.23% will likely remain the same through the second reading of the budget in June.

2. **Shared Resources**
   Discussed how a joint approach could be used for storing large repair items, particularly for the transmission system. Large items like pipe fittings and valves are expensive and have long lead times but may be needed during emergencies.

3. **Communication Training**
   Discussed the possibility of ARJWS hosting a communication workshop for general managers and board members. The consultant leading the training specializes in customer and stakeholder communications, crisis communications, and media relations, specifically tailored to the water industry.

4. **Water Quality**
   Discussed a variety of legislative updates related to water quality.
   i. EPA announced updates to the PFAS National Primary Drinking Water Regulations (NPDWR) on 5/14.
   ii. Payments for PFAS litigation are anticipated in Q2/Q3 this year

Prepared by: Chris Weber, Executive Director

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BOARD MEMORANDUM

May 8, 2025

Subject

Finance and Administration Report

Discussion

Billing

Meters were read on April 30, 2025, with average daily usage up 6.53% from last month and up 5.92% from last year. The average daily usage for each agency member is listed below.

AGENCY	PREV.YR SAME MONTH	LAST MONTH	CURRENT
# of Billing Days	**33**	**31**	**30**
Anderson	3,462,179	3,974,579	3,872,613
Big Creek	873,676	979,851	964,922
Broadway	696,147	647,789	710,567
Clemson	2,047,804	2,131,321	2,216,398
Clemson University	1,115,324	1,010,896	1,178,216
Hammond	2,051,860	1,906,526	2,108,999
Homeland Park	596,528	667,195	648,356
Pendleton	369,070	344,656	345,669
Powdersville	183,065	158,903	201,763
Sandy Springs	2,231,767	2,159,215	2,233,807
Starr-Iva	1,156,446	1,053,805	1,098,084
West Anderson	1,408,914	1,012,478	1,565,083
Williamston	480,832	530,280	515,516
Total Average Daily Usage	**16,673,611**	**16,577,492**	**17,659,994**

Finance/Budget Summary

For the month ending April 30, 2025, ARJWS is trending appropriately for revenues and expenses for the first (10) ten months of the fiscal year.

See the Profit & Loss report for additional information.

Safety Training

April
Subject: Confined Space & Permit Required Confined Space Training
Training Date: April 29, 2025
Onsite Attendance
In Person – 5

April
Subject: Silica Awareness Training
Training Date: April 7, 2025
Onsite Attendance
In Person-7

Prepared by: Jodi Logan, Billing/Purchasing Coordinator
Approved by: Kendall Cleary, Accounting Manager

Attachments: Profit & Loss Summary – Budget, Actual, and Forecast

ANDERSON REGIONAL
JOINT WATER SYSTEM

Profit & Loss
For the Month ending April 30, 2025

	Annual Budget	YTD Budget (10 months)	YTD Actual	10+2 Year End Projection	Ideal Percentage	% of Budget	YTD Variance	
Operating Revenue								
Operations and Maintenance	7,293,900	6,078,250	6,006,803	7,222,453	83%	82%	(71,447)	
Capital Charges	5,206,053	4,338,378	4,338,378	5,206,053	83%	83%	-	
Renewal and Replacement								
Water System	1,499,582	1,249,652	1,249,210	1,499,140	83%	83%	(442)	
Pump Station	67,764	56,470	56,518	67,812	83%	83%	48	
Miscellaneous	52,653	43,878	431,656	440,431	83%	820%	387,778	**A**
Total Operating Revenue	14,119,952	11,766,627	12,082,565	14,435,890				
Operating Expenses								
Salaries and Wages	1,961,500	1,634,583	1,680,963	2,007,880	83%	86%	46,380	**B**
Payroll Taxes and Employee Benefits	769,700	641,417	622,032	750,315	83%	81%	(19,385)	
Operations and Maintenance								
Administrative Expenses	358,600	298,833	219,618	279,385	83%	61%	(79,215)	
Operations Expenses								
Lab Supplies/Uniforms/Safety Equipment	159,200	107,667	89,274	140,807	83%	56%	(18,393)	
Chemicals	1,190,700	988,083	920,264	1,122,881	83%	77%	(67,819)	
Sludge and Chemical Disposal	305,000	250,000	295,296	305,000	83%	97%	45,296	
Utilities and Security	1,598,900	1,332,417	1,046,119	1,312,602	83%	65%	(286,298)	
Maintenance Expenses	606,200	505,167	341,922	442,956	83%	56%	(163,244)	
Professional Fees	82,500	68,750	29,155	42,905	83%	35%	(39,595)	
Insurance	102,600	85,500	22,832	102,600	83%	22%	(62,668)	
Debt Expenses	5,406,053	4,353,738	4,376,618	5,406,053	83%	81%	22,880	
Miscellaneous Expenses	159,000	132,500	140,449	166,949	83%	88%	7,949	
Total operating expenses before depreciatio	12,699,953	10,398,655	9,784,541	12,080,332				
Net operating income	1,419,999	1,367,972	2,298,023	2,355,558				
Raw Water								
Raw Water Income	60,024	50,020	229,114	239,118				
Raw Water O&M Expenses	-	-	182,948	182,948				
Raw Water Operating Income	60,024	50,020	46,167	56,171				
Non-Budget Impacting Items								
Junior Lien Bond Payments	80,000	66,667	80,000	80,000				
Vehicle	40,000	33,333	44,100	44,100				
Raw Water Pumps	238,000	198,333	277,559	277,559				
Pump Station Upgrades and Repairs	61,000	54,500	161,428	161,428				
Clarifier #2	250,000	208,333	282,502	282,502				
Plant Repairs	-	-	150,418	150,418				
Miscellaneous Equipment	-	-	46,813	46,813				
SCIIP Grant Projects	540,000	450,000	1,131,996	1,500,000				
	1,209,000	1,011,167	2,174,816	2,542,820				

	Previous Month Cash Balances	Current Cash Balances	Days Cash on Hand
Operating Cash	2,913,680	3,010,558	87
Capital Project Fund	4,322,582	4,243,069	
System R&R Fund (Restricted)	1,086,165	1,215,290	
Pumped R&R Fund (Restricted)	450,501	457,827	
Raw Water O&M	90,418	109,727	
Raw Water R&R	315,485	319,097	
	9,178,831	9,355,567	

A: Over projected revenue primarily due to $237k in interest income, $100k in water samples, and $40k annual payment from Pioneer.
B: Over budget due to Executive Director's retirement payout.

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BOARD MEMORANDUM

May 9, 2025

Subject

Operations and Maintenance Report

Discussion

As of May 9, 2025, Lake Hartwell's surface elevation was 660.19 ft, 0.19 ft. above full pool and 0.19 ft. above the guide curve. Raw water is being drawn from the top gate of the intake structure. Water temperature at the top gate is 74.8°F. Anderson Regional Water reached 100.0% of its settled water turbidity goals for the month of April. Raw water pH levels are relatively constant. Settled and finished water pH levels are normal. The maximum day for April water production was 50.8% of finished water capacity.

Operations and Maintenance Highlights

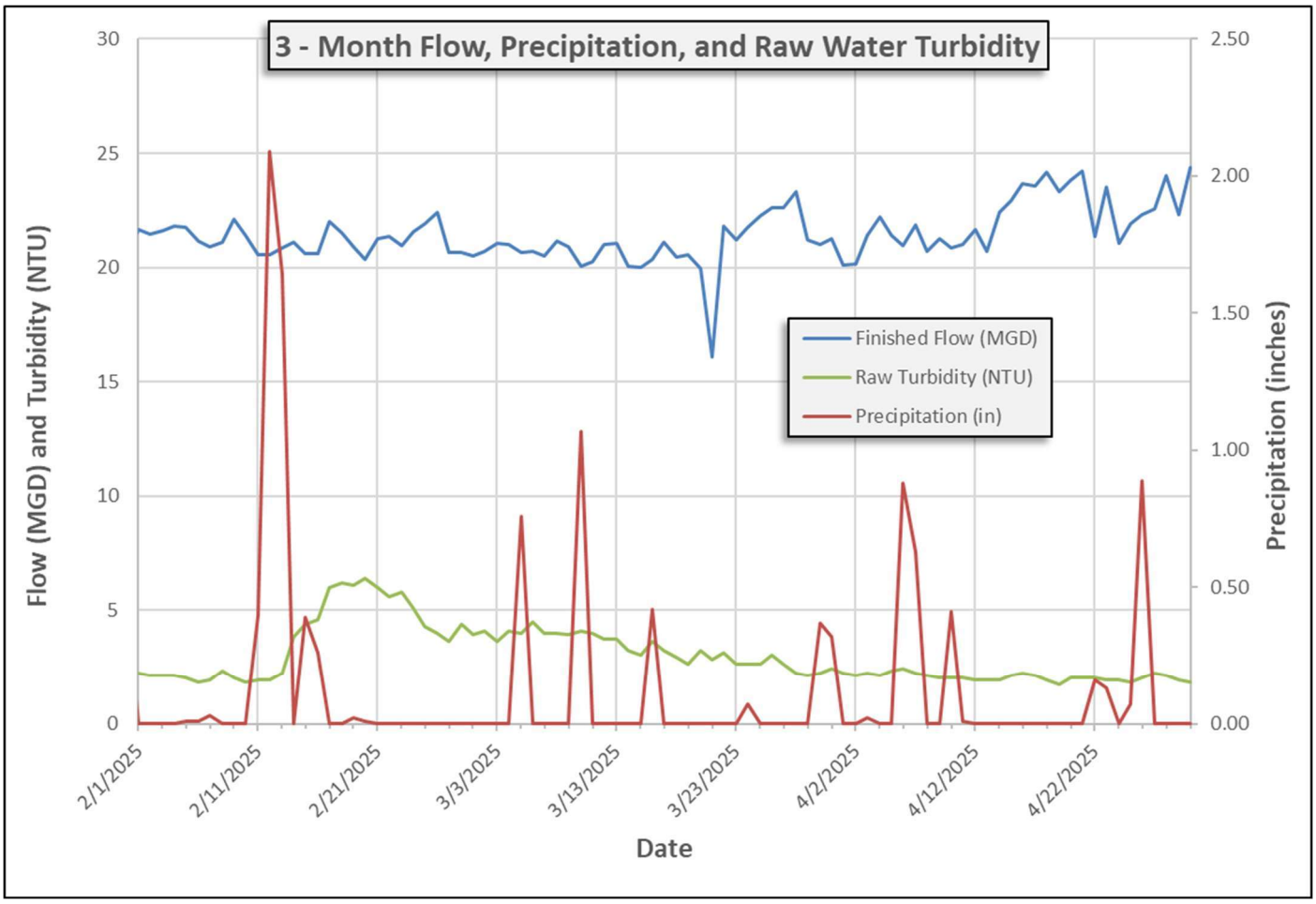
- Completed Ozone PMA
- Raw #4 Pump in-service
- Clemson Booster Station Pump #2 in-service
- Transfer Pump #4 in-service

In addition to water quality sampling for the Lake Hartwell Water Treatment Plant, Anderson Regional Water staff processed 283 Total Coliform distribution samples for local entities during the month of April.

Water Quality Data

	Raw	Settled	Finished
pH	7.01	6.99	7.12
Turbidity (NTU) Range	1.7 – 2.4	0.21 – 0.59	0.03 – 0.04
Turbidity (NTU) Average	2.03	0.38	0.03
Turbidity (NTU) Exceedance	-	0%	0%
Total Organic Carbon	1.77	-	0.98
Fluoride Average (ppm)	-	-	0.00
Phosphate Average (ppm)	-	-	0.49
Residual Disinfectant (ppm)	-	-	1.73
TTHM (DBP)	-	-	5.49 ppb
Methylisoborneol (MIB)	1.3 NG/L	-	<1.0 NG/L
Geosmin	11.3 NG/L	-	<1.0 NG/L

Weather Data



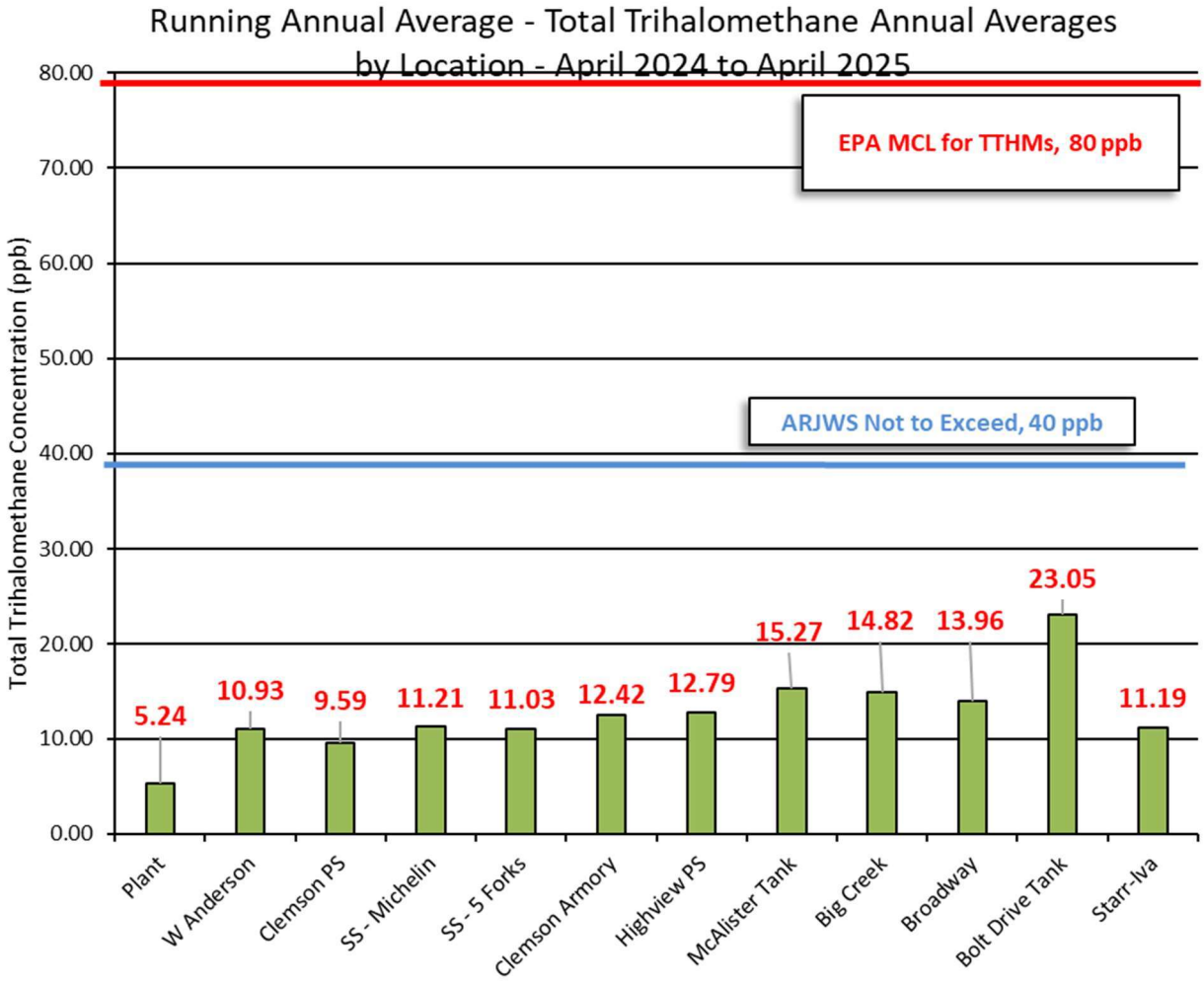
	Minimum	Maximum	Total
Rainfall	0.00 in.	0.89 in.	3.20 in.
Temperature	33.4° F	90.9° F	N/A
Humidity	14%	99%	N/A

Water Production Data

	Average	Minimum	Maximum	Total
Raw Water	21,592,000	17,533,000	25,579,000	647,753,000
Finished Water	22,189,000	20,116,000	24,362,000	665,663,000
Finished Max Capacity	46.2%	41.9%	50.8%	

Total Trihalomethane Discussion

Trihalomethanes (THMs) are one type of disinfection byproduct that can form during the treatment process and within the distribution system. THM concentrations vary primarily as a function of total organic carbon (TOC), temperature, disinfectant type, and residence time. THMs can have adverse health effects at high concentrations, and the EPA has established compliance criteria for these compounds in aggregate, termed Total Trihalomethanes (TTHMs). These criteria are established in Stage 2 of the Disinfection Byproduct Rule, which has a numerical MCL of 80 micrograms per liter (or parts per billion, ppb) based on a Locational Running Annual Average. ARJWS Operations Staff collects monthly, one-time samples, as a spot check for TTHM formation in the transmission system. The running annual averages of those results are shown in the figure below.



Monthly Power Consumption Update

For the month of April, ARJWS treated 665,663,000 gallons of water at a power cost of $101.12 per million gallons produced. The 12-month running annual average is currently $118.67.

Monthly Power Consumption Data

Month	On Peak kWh	Off Peak kWh	Total kWh	Finished Water MG	$/ MG	12 month Average
Apr – 24	198,737	914,469	1,113,206	633.6	$112.68	$116.11
May – 24	198,751	960,472	1,159,223	664.9	$114.75	$116.53
June – 24	243,835	1,065,598	1,309,434	756.7	$126.63	$118.29
July – 24	246,538	1,270,783	1,517,321	803.5	$141.86	$119.90
Aug – 24	258,930	1,214,981	1,473,911	845.3	$134.71	$121.06
Sep – 24	297,508	1,201,656	1,499,164	750.9	$165.25	$124.23
Oct – 24	203,811	1,080,390	1,284,201	737.2	$125.65	$123.65
Nov – 24	214,384	1,027,554	1,241,939	641.3	$112.96	$123.76
Dec – 24	201,328	891,992	1,093,320	603.8	$104.59	$123.48
Jan – 25	186,627	908,818	1,095,445	650.9	$96.35	$121.97
Feb – 25	211,048	966,491	1,177,540	594.7	$111.68	$121.62
Mar – 25	186,691	847,865	1,034,556	647.4	$94.45	$119.35
Apr – 25	198,599	995,914	1,194,514	665.6	$101.12	$118.67

Water Quality Strategic Planning

For the month of April, the following Water Quality Strategic Planning goals were met:

- Finished water pH was held within the designated 7.1-7.3 range.
- Finished water chlorine residual was maintained above a 1.2 ppm leaving the facility.

Prepared by: Brandon Good, Operations Superintendent
Reviewed by: Chris Weber, Executive Director