ANDERSON REGIONAL
JOINT WATER SYSTEM

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

BOARD AGENDA

Board of Commissioners
March 2025

I. Minutes February 26, 2025

II. Informational Reports

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

Future planned Board meeting dates are:

- April 23, 2025
- June 25, 2025
- August 27, 2025

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MINUTES OF THE ANDERSON REGIONAL JOINT WATER SYSTEM February 26, 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; Matt Ruff, Big Creek-Hammond; Tracy Durham, Sandy Spring; Scott Banks, City of Anderson; Robin Gore, Powdersville Water; Mitch Ellenburg, Belton-Honea Path Water; Randy Church, Broadway Water; Kevin Strickland, Town of Williamston; Phillip Mishoe, Town of Central; Don King, Homeland Park

OTHERS PRESENT: Lisa Evatt, ARJWS; Kendall Cleary, ARJWS; Chris Weber, ARJWS; Tony Putnam, Clemson University; Brandon Good, ARJWS; Justin Clemones, ARJWS; Jodi Logan, ARJWS

Chairman Patrick Jackson called the Board meeting of Anderson Regional Joint Water System to order at 12:00 p.m. on February 26, 2025.

Chairman Patrick Jackson asked for any Commissioner comments. Mr. Jackson introduced Christopher Weber as the Executive Director at ARJWS and read a bio handout on him. Mr. Willett has stepped down from his position, allowing Mr. Weber to assume the role. Mr. Jackson thanked the Executive Committee and staff for their time and patience during the process. Mr. Ellenburg reminded the Board the SC General Assembly declared the first Monday of March of each year as Water Professionals Day. He asked the Board to recognize their staff.

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

Mr. Ruff made a motion to approve the January 22, 2025, minutes. Mrs. Durham seconded. Motion carried.

I. Consent Calendar (Old Business)

1. None

II. Items Requiring Immediate Action

1. None

III. Discussion (New Business)

1. FY 2026 Budget Update

Mrs. Cleary presented the FY 2025-2026 Budget Drivers handout to all board members and discussed each line item. The updated estimated revenue requirement increase is 9.23%. Mrs. Cleary reminded the Board this is the last meeting before the first FY 2025/26 budget reading. Ms. Cleary asked for any comments, there were none.

2. Redundancy and Source Water Planning

Mr. Weber proposed to wait on drafting the letter to Greenville Water related to regionalization and planning for future growth in the Upstate. Mr. Weber suggested more conversations are needed before any actions are taken on planning for future water resources. Mr. Weber also gave an update on the status of the PFAS litigation.

3. Director's Report (Oral)

Mr. Weber discussed his focus going forward in the Executive Director's role. Mr. Weber spoke on safety and the importance of ARJWS having a reliability plan. Mr. Weber gave an update on the OSHA findings and actions that have been taken since the July 2024 accident. Mr. Weber discussed having a reliability plan is essential to ensure the continuous delivery of water without interruptions. Mr. Banks asked Mr. Weber to send a written OSHA update to board members.

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.

V. Closed Executive Session

1. CBS Property Sale

As stated by Chairman Patrick Jackson:
A CLOSED EXECUTIVE SESSION HAS BEEN REQUESTED AND IS AUTHORIZED UNDER SC FREEDOM OF INFORMATION ACT (SECTION 30-4-70(a)(1)) FOR THE PURPOSE OF DISCUSSING A PERSONNEL MATTER.

A motion was made by Mr. McGill to enter a closed executive session at 12:34 p.m. and seconded by Mr. Mishoe.

As stated by Chairman Patrick Jackson:
AT 12:40 P.M., THE BOARD CONCLUDED ITS CLOSED EXECUTIVE SESSION, AND PER THE SC FREEDOM ACT, NO ACTIONS OR VOTES WERE TAKEN.

Mr. McGill made a motion to end the closed executive session. Mr. Banks seconded. Motion carried.

The following motion was made:

Mr. King made a motion to not accept the offer on the old CBS property that was received from the developer of the adjacent development. Mrs. Durham seconded. Motion carried.

VI. Adjournment

With no further business, Mr. Banks made a motion to adjourn at 12:44 p.m. and Mr. Ellenburg seconded. Motion carried.

Respectfully submitted,

Benjie McGill

Secretary/Treasurer

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COMMITTEE SUMMARY

Executive Committee
March 17, 2025
11:30 am

Discussion Summary

1. **SAWS Update**
   First Quality requested the installation of an emergency back-up generator at the SAWS facility in the fall of 2024. First Quality will be fully reimbursing ARJWS for the price of the generator and donating the asset to ARJWS to operate along with the existing SAWS infrastructure. First Quality and ARJWS will also update the existing Raw Water Sales Agreement to include the additional cost of operating the generator and routine maintenance of the facility.

2. **Budget Workshop**
   Discussed the option of hosting a budget workshop for Board members, member agency finance staff, and interested employees. ARJWS staff are looking for a date in the first 2 weeks of April.

3. **Water Resources and Communication – Staffing**
   Discussed the options around hiring a source water and/or outreach position at ARJWS.

Prepared by: Kendall Cleary, Accounting Manager

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BOARD MEMORANDUM

March 10, 2025

Subject

Finance and Administration Report

Discussion

Billing

Meters were read on February 28, 2025, with average daily usage up 7.43% from last month and up 8.81% 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	**29**	**31**	**28**
Anderson	3,922,502	3,962,443	4,363,080
Big Creek	777,920	1,164,766	1,174,454
Broadway	620,275	688,392	673,607
Clemson	1,938,920	1,993,238	2,087,812
Clemson University	1,206,148	809,801	1,122,113
Hammond	1,841,543	1,790,594	1,865,891
Homeland Park	598,279	654,294	698,349
Pendleton	359,963	312,106	318,668
Powdersville	118,112	137,923	142,750
Sandy Springs	2,011,002	1,936,048	1,774,398
Starr-Iva	874,148	1,028,206	1,155,709
West Anderson	1,142,277	1,086,842	1,331,617
Williamston	420,960	471,988	519,070
Total Average Daily Usage	**15,832,049**	**16,036,641**	**17,227,518**

Finance/Budget Summary

For the month ending February 28, 2025, ARJWS is trending appropriately for revenues and expenses for the first (8) eight months of the fiscal year.

See the Profit & Loss report for additional information.

Safety Training

February
Subject: **Safe Handling of Sodium Hypochlorite**
Training Date: **February 19 & 20, 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 February 28, 2025

	Annual Budget	YTD Budget (8 months)	YTD Actual	8+4 Year End Projection	Ideal Percentage	% of Budget	YTD Variance	
Operating Revenue								
Operations and Maintenance	7,293,900	4,862,600	4,819,829	7,251,129	58%	66%	(42,771)	
Capital Charges	5,206,053	3,470,702	3,470,702	5,206,053	58%	67%	-	
Renewal and Replacement								
Water System	1,499,582	999,721	999,368	1,499,229	58%	67%	(353)	
Pump Station	67,764	45,176	45,215	67,803	58%	67%	39	
Miscellaneous	52,653	35,102	358,425	375,976	58%	681%	323,323	A
Total Operating Revenue	14,119,952	9,413,301	9,693,538	14,400,189				
Operating Expenses								
Salaries and Wages	1,901,000	1,267,333	1,198,152	1,831,819	58%	63%	(69,181)	
Payroll Taxes and Employee Benefits	830,200	553,467	548,421	825,154	58%	66%	(5,046)	
Operations and Maintenance								
Administrative Expenses	358,600	239,067	187,410	306,943	58%	52%	(51,657)	
Operations Expenses								
Lab Supplies/Uniforms/Safety Equipment	159,200	86,133	73,841	146,908	58%	46%	(12,292)	
Chemicals	1,190,700	790,467	767,899	1,168,132	58%	64%	(22,568)	
Sludge and Chemical Disposal	305,000	200,000	295,296	305,000	58%	97%	95,296	
Utilities and Security	1,598,900	1,065,933	963,792	1,496,759	58%	60%	(102,141)	
Maintenance Expenses	606,200	404,133	280,546	482,613	58%	46%	(123,587)	
Professional Fees	82,500	55,000	23,935	51,435	58%	29%	(31,065)	
Insurance	102,600	68,400	17,906	102,600	58%	17%	(50,494)	
Debt Expenses	5,406,053	3,482,991	3,505,418	5,406,053	58%	65%	22,427	
Miscellaneous Expenses	159,000	106,000	93,907	146,907	58%	59%	(12,093)	
Total operating expenses before depreciatio	12,699,953	8,318,924	7,956,522	12,270,322				
Net operating income	1,419,999	1,094,377	1,737,017	2,129,867				
Raw Water								
Raw Water Income	60,024	40,016	205,551	225,559				
Raw Water O&M Expenses	-	-	166,533	166,533				
Raw Water Operating Income	60,024	40,016	39,019	59,027				
Non-Budget Impacting Items								
Junior Lien Bond Payments	80,000	53,333	80,000	80,000				
Vehicle	40,000	26,667	44,100	44,100				
Raw Water Pumps	238,000	158,667	252,011	252,011	B			
CBS Pump #5	39,000	26,000	23,515	39,000				
Clarifier #2	250,000	166,667	175,507	250,000				
Highview Upgrades and Repairs	22,000	22,000	53,239	53,239				
SCIIP Grant Projects	540,000	360,000	1,105,899	1,500,000				
	1,209,000	813,333	1,734,271	2,218,350				

	Previous Month Cash Balances	Current Cash Balances	Days Cash on Hand
Operating Cash	3,230,409	2,683,948	77
Capital Project Fund	4,832,201	4,830,498	
System R&R Fund (Restricted)	829,562	957,444	
Pumped R&R Fund (Restricted)	553,312	560,894	
Raw Water O&M	125,421	115,838	
Raw Water R&R	307,788	311,655	
	9,878,694	9,460,276	

A: Over projected revenue primarily due to $213k in interest income, $89k in water samples, and $40k annual payment from Pioneer.
B: Raw Water Pump #3 repair is a rollover project from FY 2024.

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BOARD MEMORANDUM

March 3, 2025

Subject

Operations and Maintenance Report

Discussion

As of March 3, 2025, Lake Hartwell's surface elevation was 659.41 ft, 0.59 ft. below full pool and 0.83 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 54.5°F. Anderson Regional Water reached 71.4% of its settled water turbidity goals for the month of February. Raw water pH levels are relatively constant. Settled and finished water pH levels are normal. The maximum day for February water production was 46.7% of finished water capacity.

Operations and Maintenance Highlights

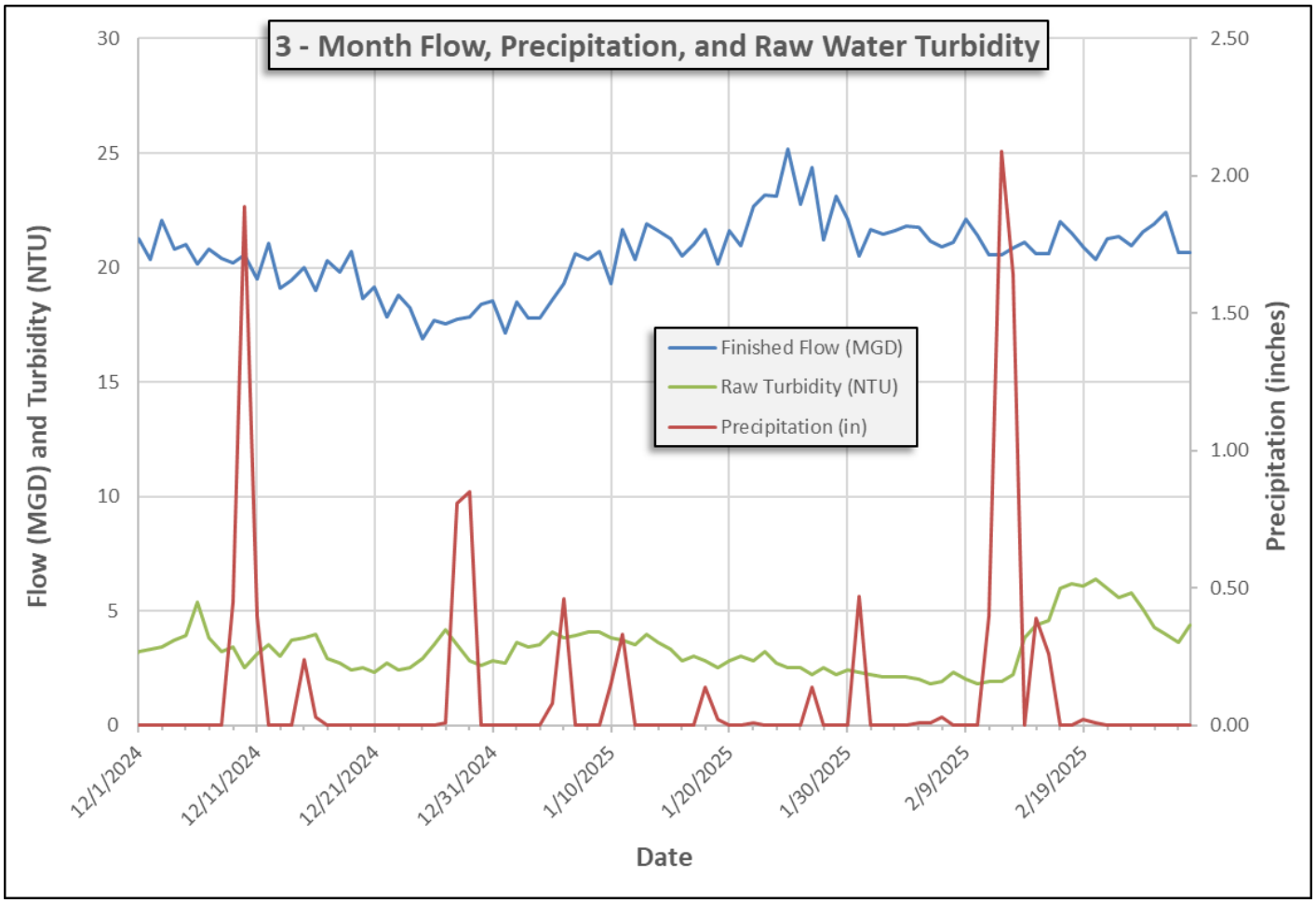
- Replaced clarifier #2 floc and rake drives
- Raw pump #5 refurbished and recommissioned
- Flash mixer #2 motor repaired and recommissioned

In addition to water quality sampling for the Lake Hartwell Water Treatment Plant, Anderson Regional Water staff processed 248 Total Coliform distribution samples for local entities during the month of February.

Water Quality Data

	Raw	Settled	Finished
pH	7.09	7.04	7.17
Turbidity (NTU) Range	6.4 – 1.8	1.5 – 0.27	0.03 – 0.03
Turbidity (NTU) Average	3.66	0.65	0.03
Turbidity (NTU) Exceedance	-	28.6%	0%
Total Organic Carbon	1.58	-	1.04
Fluoride Average (ppm)	-	-	0.60
Phosphate Average (ppm)	-	-	0.45
Residual Disinfectant (ppm)	-	-	1.76
TTHM (DBP)	-	-	2.06 ppb
Methylisoborneol (MIB)	<1.0 NG/L	-	<1.0 NG/L
Geosmin	4.2 NG/L	-	<1.0 NG/L

Weather Data



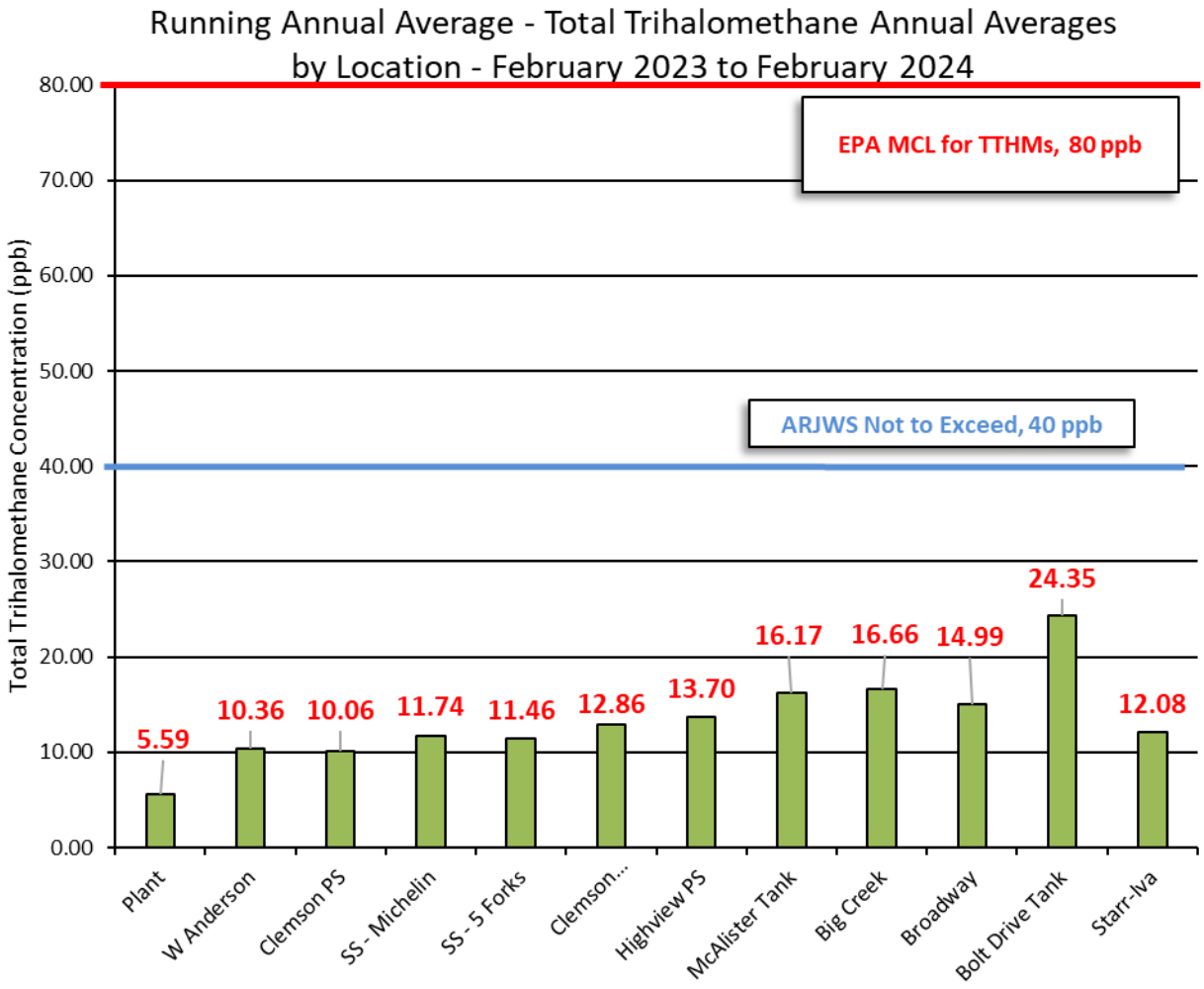
	Minimum	Maximum	Total
Rainfall	0.00 in.	2.09 in.	4.86 in.
Temperature	14.4° F	85.3° F	N/A
Humidity	20%	99%	N/A

Water Production Data

	Average	Minimum	Maximum	Total
Raw Water	20,464,000	16,893,000	24,625,000	572,988,000
Finished Water	21,240,000	20,334,000	22,397,000	594,711,000
Finished Max Capacity	44.2%	42.4%	46.7%	

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 February, ARJWS treated 594,711,000 gallons of water at a power cost of $111.68 per million gallons produced. The 12-month running annual average is currently $121.62.

Monthly Power Consumption Data

Month	On Peak kWh	Off Peak kWh	Total kWh	Finished Water MG	$/ MG	12 month Average
Feb-24	196,025	931,160	1,127,185	580.6	$124.03	$115.87
Mar – 24	191,202	812,004	1,003,207	602.3	$109.97	$115.16
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

Water Quality Strategic Planning

For the month of February, 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