ANDERSON REGIONAL
JOINT WATER SYSTEM

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

BOARD AGENDA

Board of Commissioners
June 25, 2025
Noon

Call to Order / Determination of Quorum
Pledge of Allegiance
Commissioners' Comments
Public Comment

I. Approval of Minutes April 23, 2025

II. Consent Calendar (Old Business)

1. None

III. Items Requiring Immediate Action

1. FY 2025/26 Budget – Final Reading
2. Clemson University FY 2025/26 Wholesale Rate – Final Reading
3. Election of Board Officers for FY 2025/2026

IV. Discussion (New Business)

1. SCIIP Project – Raw Water Improvements Equipment Purchase
2. Executive Director's Report (Oral)

V. Informational Reports

1. Executive Committee Meeting Summary
2. Finance and Administration Report
3. Operations and Maintenance Report
4. Engineering Report

VI. Adjournment

Future planned Board meeting dates are:

- August 27, 2025
- October 22, 2025
- December 17, 2025

ANDERSON REGIONAL
JOINT WATER SYSTEM

Your Community-Owned and Operated System

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

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

ANDERSON REGIONAL
JOINT WATER SYSTEM

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BOARD MEMORANDUM

June 18, 2025

Subject
FY 2025/26 Annual Budget

Recommendation
Management recommends approval of the second reading of the proposed FY 2025/26 Annual Budget.

Alternatives:

1. Seek amendment to the proposed annual budget.

Fiscal impact
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.

Discussion
Under the terms of the Water Sale and Purchase Agreement, the Joint Water System must develop an annual budget for its anticipated costs for the upcoming year. The attached budget represents the Joint Water System's best estimate of costs anticipated for FY 2025/26.

1. Operations cost increased by 17.0%, largely associated with increased costs related to dredging the upper and lower lagoons, chemicals, and industrial power rates.

2. Maintenance cost decreased by 8.5% mainly due to one-time costs incurred in the prior year related to the ozone facility.

3. Total Employee cost decreased by 6.6% related to a temporary reduction in staff and the retirement of the Executive Director.

4. In total, the $1.55 million Joint Water System CIP for FY 2025/26 envisions balancing the immediate R&R needs of the System with long term capital planning.

    - $53,000 Equipment
    - $170,000 Transmission Repairs
    - $175,000 Miscellaneous Repairs
    - $227,180 Large Pump Repairs/Replacements
    - $100,000 Safety Projects
    - $167,000 Vehicle Replacement
    - $75,000 Meter Replacement/Meter Upgrades
    - $80,000 Hydraulic Model
    - $300,000 Plant Repairs
    - $200,000 SCDOT Unforeseen Projects

Prepared by: Kendall Cleary, CPA, Accounting Manager
Approved by: Chris Weber, Executive Director

Attachments:

Proposed FY 2025/26 Pro Forma Financial Plan
Proposed FY 2025/26 Operating Budget
Proposed FY 2025/26 Capital Improvement Plan

PRO FORMA

	Adopted FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29
Operating Revenues					
O&M Payments	7,475,467	8,093,944	8,462,401	9,298,541	9,765,817
Rate Stablizaton Credit to O&M Payments	(200,000)	222,300	-	-	-
SAWS Credit to O&M Payments	(30,000)	-	-	-	-
Capital Charge - Debt Service	5,224,485	5,367,335	5,649,221	5,412,441	5,418,349
Capital Charge - Repair & Replacement	1,567,346	1,610,201	1,694,766	1,623,732	1,625,505
Total Revenues	14,037,298	15,293,780	15,806,388	16,334,714	16,809,671
Operating Expenses					
Administrative Expense	506,000	721,600	745,200	807,300	818,800
Operations Expense	3,262,200	3,840,900	3,911,100	4,156,800	4,299,900
Maintenance Expense	606,200	554,400	601,900	701,400	768,800
Employee Expense	2,731,200	2,552,300	2,670,700	2,794,600	2,924,600
Miscellaneous Expense	188,300	188,700	193,700	263,700	270,600
Depreciation Charge	181,567	236,044	339,801	574,741	683,117
Total Operating Expenses:	7,475,467	8,093,944	8,462,401	9,298,541	9,765,817
Net Operating Revenues	6,743,398	7,435,880	7,683,788	7,610,914	7,726,971
Debt Service Payments - Senior Lien					
Series 2017A - Refunding (Matures 2032)	722,246	725,530	3,514,934	3,505,154	3,515,462
Series 2017 - T&O (Matures 2038)	771,037	771,037	771,037	771,037	771,037
Series 2020A (Tax Exempt) (Matures 2033)	1,165,550	1,163,350	1,084,750	857,750	853,350
Series 2020B (Taxable) (Matures 2026)	2,565,653	2,568,169	-	-	-
Series 2025 SRF	-	28,000	56,000	56,000	56,000
Series 2025 Bank Loan	-	111,250	222,500	222,500	222,500
Total Debt Service Requirements - Senior Lien	5,224,485	5,367,335	5,649,221	5,412,441	5,418,349
Senior Lien Coverage (x)	**1.335 X**	**1.344 X**	**1.360 X**	**1.406 X**	**1.426 X**
Junior Lien Debt					
2017B Water Supply Jr Lien	(80,448)	-	-	-	-
From Reserves	80,448	-	-	-	-
Net Debt Service Requirements - Junior Lien	-	-	-	-	-
Net Revenues after Debt Service	1,518,913	2,068,545	2,034,567	2,198,473	2,308,622
Interest on Debt Service Reserve Fund	131,616	131,616	131,616	131,616	131,616
Renewal and Replacement Funds:					
System R&R Deposit	1,499,582	1,542,317	1,538,773	1,467,941	1,469,501
Pumped R&R Deposit	67,764	67,883	72,443	72,241	72,454
Powershare Credit for PRR	(25,000)	-	-	-	-
Depreciation	2,649,868	2,637,493	2,608,419	2,586,439	2,565,136
Total R&R Contributions	1,567,346	1,610,201	1,694,766	1,623,732	1,625,505
Depreciation Funding Percentage	66.0%	70.0%	78.0%	85.0%	90.0%
Depreciation Target Percentage	66.0%	70.0%	78.0%	85.0%	90.0%
Depreciation charge (Net)	181,567	236,044	339,801	574,741	683,117
Bottom Line					
Net Revenues Paid by Members	**13,880,682**	**15,162,164**	**15,674,772**	**16,203,098**	**16,678,055**
Increased Revenue Requirement	6.00%	9.23%	3.38%	3.37%	2.93%

	Adopted FY 24/25	FY 25/26
Administrative Expenses		
Office Expenses		
Advertising	1,500	1,500
Office Expenses	18,000	18,500
Printing	1,000	1,000
Postage/Freight	5,000	5,500
Office Expenses Subtotal	25,500	26,500
Insurance/Licences/Permits		
Employee Licenses and Applications	3,600	3,700
Purchased Water	88,300	180,000
General Liability	80,000	100,000
Workman's Compensation	22,600	52,000
Insurance/Licences/Permits Subtotal	194,500	335,700
Banking Expense		
Bank and Credit Card Service Charges	10,200	10,800
Check Supplies	700	700
Banking Expense Subtotal	10,900	11,500
Telecommunications		
Cell Phones	9,300	9,500
IT Services	85,000	76,000
IT Equipment	15,000	15,300
Telephone/TV/Internet	18,400	18,800
Telecommunications Subtotal	127,700	119,600
Vehicle Expenses		
Gas Purchases	17,500	18,000
Vehicle Maintenance	10,200	10,400
Car Allowance	26,600	15,000
Vehicle Expenses Subtotal	54,300	43,400
Custodial Expense		
Janitorial Servies/Pest Control	4,100	7,900
Janitorial Supplies	2,000	2,000
Trash Pickup	2,000	2,000
Custodial Expense Subtotal	8,100	11,900
Professional Fees		
Consultants	20,000	108,000
Legal	20,000	20,000
Accounting	20,000	20,000
Engineering	20,000	20,000
Other Professional Fees	2,500	2,500
Professional Fees Subtotal	82,500	170,500
Sales Tax Accrual	2,500	2,500
TOTAL Administrative Expense	**506,000**	**721,600**

	Adopted FY 24/25	FY 25/26
Operations Expenses		
Safety Equipment	8,400	25,000
Laboratory		
Control Maintenance Agreements	5,700	5,800
Control Equipment	3,300	5,000
Lab Testing Supplies	71,500	76,000
Lab Office Expense	4,200	4,300
Lab Equipment	36,300	37,000
Lab Certification/Yearly fees	10,000	10,200
External Lab Testing Fees	8,200	8,300
PFAS Sampling Fees	20,000	20,000
Laboratory Subtotal	159,200	166,600
Chemical Supplies		
Floride (HFS)	47,500	48,900
Phosphate	63,900	66,500
Alum	202,800	215,000
Winter Coagulant	98,600	135,500
Liquid Oxygen	260,800	332,000
Hydrogen Peroxide	10,100	10,400
Lime	108,200	95,400
Sodium Hypochlorite	393,800	200,000
Salt	-	60,000
Misc. Chemicals	5,000	5,200
Chemical Disposal	5,000	5,200
Chemical Supplies Subtotal	1,195,700	1,174,100
Sludge Dredging and Disposal	300,000	800,000
Utilities		
CBS - Electricity	354,000	364,600
WTP - Electricity	1,115,600	1,159,100
HV - Electricity	102,700	105,300
Offsite Water Tanks/Meter Power	2,100	2,200
Generator Fuel	7,500	7,700
Natural Gas	2,000	2,000
Admin Building - Electricity	12,500	12,700
Utilities Subtotal	1,596,400	1,653,600
Security Monitoring Systems	2,500	2,500
TOTAL Operations Expense	**3,262,200**	**3,840,900**

	Adopted FY 24/25	FY 25/26
Maintenance Expense		
Meter Repair		
Meter Parts	2,300	2,300
Meter Maintenance/Testing	1,500	1,500
Meter Repair Subtotal	3,800	3,800
Pump & Motor Maint/Repair		
CBS Pumps	4,200	4,300
HV Pumps	4,200	4,300
Transfer Pumps	4,200	4,300
Raw Water Pumps	23,000	23,500
High Service Pumps	23,000	23,500
Lagoon Pumps	1,500	1,500
Chemical Feed Pumps	5,500	5,600
Sample Pumps	2,000	2,000
Pump & Motor Maint/Repair Subtotal	67,600	69,000
Transmission Repairs & Maintenance		
Generator Repair & Maint. Contract	31,000	31,500
Raw Water Intake	4,300	4,400
Misc. Maintenance and Repairs	24,300	24,800
Transmission Mains	3,800	3,900
ROW Maintenance/Grass Cutting	41,600	43,700
Contracted Locates	31,000	31,600
CBS Repairs	1,900	1,900
Highview Repairs	1,200	1,200
Transmission Repairs & Maintenance Subtotal	139,100	143,000
Water Treatment Repairs		
Filters	12,000	12,200
WTP Equipment	13,200	13,500
Clarifiers	6,200	6,300
WTP Misc Repairs	7,100	7,200
SCADA and Controls	20,700	21,100
Cooling/HVAC	5,200	5,300
Stock Inventory and Parts	20,900	21,400
Filter Plant	5,900	6,000
Water Treatment Repairs Subtotal	91,200	93,000
Tanks/Standpipes/Reservoirs		
Tanks/Standpipes/Reservoirs - Other	36,300	120,000
Tanks/Standpipes/Reservoirs Subtotal	36,300	120,000
Ozone		
Ozone Maintenance Agreement	6,200	6,200
Ozone Generator Repair	1,100	1,100
Ozone Inventory and Parts	240,000	97,000
Tools and Equipment	7,200	7,300
Outdoor Equipment	2,700	2,800
Equipment Rental	11,000	11,200
TOTAL Maintenance Expense	**606,200**	**554,400**

	Adopted FY 24/25	FY 25/26
Employee Expense		
Wages		
Pumped Wages	16,700	17,600
Pumped OT Wages	5,500	7,000
Overtime Wages	99,100	104,100
Wages - Other	1,779,700	1,615,000
Wages Subtotal	1,901,000	1,743,700
Payroll Tax	156,900	144,300
Benefits		
Insurance - Health & Life	259,900	280,100
SCRS Company Match	352,900	323,700
Payroll Expenses - Other	60,500	60,500
Benefits Subtotal	673,300	664,300
TOTAL Employee Expense	**2,731,200**	**2,552,300**
System Expenses		
Travel	13,000	13,500
Manager's Expense	6,700	6,800
Board Expense	4,500	4,600
Incentive Program	5,000	5,200
Training and Education	15,300	15,800
Safety Training and Annual Inspections	10,000	10,300
Meals/Entertainment	9,500	9,800
Public Meetings/Outreach	3,900	4,000
Source Water Protection	50,000	50,000
Uniforms	18,500	19,100
Dues and Renewals	37,700	35,000
Conference/Seminars/Conventions	14,200	14,600
TOTAL System Expenses	**188,300**	**188,700**
TOTAL Operating Expense	**7,293,900**	**7,857,900**
Debt Expense		
Series 2017A - Refunding	722,246	725,530
Series 2017 - T&O	771,037	771,037
Series 2020A (Tax Exempt)	1,165,550	1,163,350
Series 2020B (Taxable)	2,565,653	2,568,169
Series 2025 SRF	-	28,000
Series 2025 Bank Loan	-	111,250
Depreciation Charge	181,567	236,044
TOTAL Debt Expense	**5,406,053**	**5,603,380**
TOTAL	**12,699,953**	**13,461,280**

Anderson Regional Joint Water System
Capital Improvement Plan - 6/18/25

			Sources of Funds			
	Project Name	Total Estimated Project Costs	State/Federal Grants	Debt Financing	ARJWS Cash	2026
	Items from Project List					
1	Radio Upgrades	10,000		-	10,000	10,000
2	Server Upgrade - SCADA	8,000	-	-	8,000	8,000
3	High Service Pump #1-4 motor (spare)	12,000	-	-	12,000	12,000
4	High Service Pump #6	35,180	-	-	35,180	35,180
5	Maintenance Truck	44,000	-	-	44,000	44,000
6	Vibration Analyzer	15,000	-	-	15,000	15,000
7	F250 Work Truck	85,000	-	-	85,000	85,000
8	Trailer	20,000	-	-	20,000	20,000
9	transfer pump #1 upgrade	90,000			90,000	90,000
10	transfer pump #2 upgrade	90,000			90,000	90,000
11	Transmission main repair kits	70,000	-	-	70,000	70,000
12	Transmission main pipe	100,000			100,000	100,000
12	Filter media	50,000	-	-	50,000	50,000
13	Motor Protection Relay x11	80,000	-	-	80,000	80,000
14	Hydraulic Model	80,000	-	-	80,000	80,000
15	Sampling Truck	38,000	-	-	38,000	38,000
16	Plant Generator PLC Upgrade	170,000			170,000	170,000
	Other Items					
	Safety Projects	100,000			100,000	100,000
	Meter Replacement Program	35,000	-	-	35,000	35,000
	Radio Read Meters	40,000			40,000	40,000
	Miscellaneous Repairs	175,000	-	-	175,000	175,000
	SCDOT Unforseen	200,000	-	-	200,000	200,000
	Total		-	-		1,547,180

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BOARD MEMORANDUM

April 16, 2025

Subject

FY 2025/26 Water Rate for Clemson University

Recommendation

Management recommends setting the water rate for Clemson University at $2.31 per thousand gallons for FY 2025/26.

Alternatives:

1. Set a different FY 2025/26 water rate for Clemson University.
2. Maintain existing water rate.

Fiscal impact

Under the Water Service Agreement between Clemson University and the Joint Water System, dated April 17, 2002 rates were established for service through FY 2005/06, with subsequent changes approved by the Board to ensure equitable treatment of Clemson University. For the current fiscal year, the Board adopted rate is $2.17 per thousand gallons.

Discussion

Total System budgetary cost of supply will increase 9.23% under the proposed FY 2025/26. These expected cost increases are mitigated by increased water deliveries over the past two calendar years. The increase in deliveries allows the cost of supply to be spread 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. The “WHOLESALE WATER RATE SCHEDULE APPLICABLE TO CLEMSON UNIVERSITY” of charges shall update Exhibit B of the 2002 Water Service Agreement is included on the following page.

WHOLESALE WATER RATE SCHEDULE APPLICABLE TO CLEMSON UNIVERSITY
(Dollars per thousand gallons)

Step (Maximum Consumption)	**FY 2024/25 (Existing)**	**FY 2025/26 (Proposed)**
2.00 mgd	$2.17	$2.31
2.05 mgd	$2.18	$2.32
2.10 mgd	$2.19	$2.33
2.15 mgd	$2.20	$2.34
2.20 mgd	$2.21	$2.35

Fiscal Year	**Capital Charge**	**O&M Charge**	**Total Cost of Supply**	**Gallons**
2022	$288,815	$414,316	$703,130	381,310,285
2023	$289,028	$429,064	$718,093	364,225,617
2024	$286,594	$491,693	$778,287	402,680,131
2025	$280,032	$545,955	$825,987	400,680,131*
2026	$280,266	$620,735	$910,562	N/A

*Estimated last 3 months of fiscal year based on prior year demand

Prepared by: Kendall Cleary, Accounting Manager
Approved by: Chris Weber, Executive Director

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BOARD COMMITTEE REPORT

June 18, 2025

Subject

Nominations for FY 2025/26 Board Officers and Executive Committee Members

Discussion

The Anderson Regional Joint Water System shall elect Board Officers each year with each member of the Board having 1 vote (Article IV, Section 2 of the Joint Water System By-laws). The Nominating Committee has conferred and makes the following nominations for Board Officers for FY 2025/26.

Chairman:	Scott Banks, City of Anderson
Vice Chairman:	Tracy Durham, Sandy Springs Water District
Secretary:	Mitch Ellenburg, Belton-Honea Path Water Authority

Article VI of the Joint Water System By-laws provides for the establishment of an Executive Committee, composed of the Board Officers, immediate past chair and At-large members, to provide additional advice and counsel to the Chairman. The Nominating Committee returned the following recommendations for At-Large Executive Committee members:

John Lollis, West Anderson Water District
Matt Ruff, Big Creek-Hammond Water Districts

Additional nominations may be made from the floor by the Board prior to the vote. As prescribed by the Joint Water System By-laws, the vote shall be a flow based vote.

All Board Officer and Executive Committee membership terms shall begin duties of the office on July 1, 2025 and serve until replaced.

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JOINT WATER SYSTEM

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COMMITTEE SUMMARY

Executive Committee
June 16, 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. **Board Officer Nominations**
   Discussed Board Officer nominations for the upcoming fiscal year.

3. **Water Quality Updates**
   Discussed several items related to water quality.
   a. MIB/Geosmin – ARJWS commissioned an ozone system in 2018, primarily to combat taste and odor issues caused by MIB and Geosmin. This system has operated 24/7 since it was brought online, and system reliability has been a focus the last two years. This is the second year ARJWS has installed a temporary chiller unit to help manage process heat. It will remain online throughout the summer. Historically, taste and odor compounds begin to increase in concentration in the source water during late spring. Current source concentrations are low. Finished water concentrations are non-detectable.
   b. Algal Bloom – ARJWS continues to monitor a harmful algal bloom (HAB) on Lake Hartwell that was first reported in late May. Most of the lake is still under a Recreational Water Watch, although, as of June 5, the South Carolina Department of Environmental Services (DES) removed the area of the Six and Twenty lake arm upstream of Centerville Road, which is where the intake is located. ARJWS has multiple processes effective at treating algal toxins, including ozone. ARJWS testing for algal toxins in June showed no detections in the source or finished water.
   c. PFAS Litigation – ARJWS received its first disbursement of settlement funds for the ongoing PFAS litigation.

4. **Capital Project Updates**
   ARJWS has several ongoing capital projects.
   a. Onsite Hypochlorite Generation – the total project cost is $4.4 MM. This project is SCIIP funded. This project replaces equipment used for generating disinfectant onsite (sodium hypochlorite). Process commissioning is expected in early August. The main process equipment has been placed. Product storage tanks are being decommissioned, and the treatment plant is operating its disinfection system on a temporary setup.
   b. CBS Tank Addition – the total project cost is $6.5 MM. This project is SCIIP funded. This project adds an additional 5-million gallon storage tank at the Clemson Booster Station (CBS). Site prep is ongoing. Tank construction is scheduled to begin in July.
   c. Raw Water Improvements – this project is SCIIP funded. The project replaces aging pump(s) at the raw water pump station. Bid opening for the pumps and motors is Thursday 6/19.
   d. SAWS emergency standby generator – ARJWS is installing an emergency standby generator at the SAWS pump station that currently serves First Quality. The project infrastructure is funded by First Quality in accordance with the existing Construction in Aid Agreement between First Quality and ARJWS. The generator is scheduled to arrive on 6/18 and should be installed and commissioned in late July.

5. **Continuous Improvement**
   Discussed continued growth in the ARJWS service area and how annual minimum flows have increased ~50% over the past 10 years. ARJWS is updating its hydraulic model and considering future plant and transmission improvements necessary to meet growing demands. Discussed the benefits of having an integrated system wide map and hydraulic model.

Prepared by: Chris Weber, Executive Director

ANDERSON REGIONAL
JOINT WATER SYSTEM

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

BOARD MEMORANDUM

June 10, 2025

Subject

Finance and Administration Report

Discussion

Billing

Meters were read on May 29, 2025, with average daily usage down 1.89% from last month and down 6.74% 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	**31**	**30**	**29**
Anderson	4,065,083	3,872,613	4,367,774
Big Creek	1,079,089	964,922	970,495
Broadway	801,816	710,567	664,412
Clemson	2,062,237	2,216,398	1,976,635
Clemson University	955,690	1,178,216	580,322
Hammond	2,470,412	2,108,999	2,163,378
Homeland Park	667,569	648,356	629,703
Pendleton	400,387	345,669	345,746
Powdersville	240,387	201,763	196,915
Sandy Springs	2,634,143	2,233,807	2,351,843
Starr-Iva	1,122,859	1,098,084	1,166,073
West Anderson	1,489,569	1,565,083	1,303,056
Williamston	589,081	515,516	609,486
Total Average Daily Usage	**18,578,322**	**17,659,994**	**17,325,838**

Finance/Budget Summary

For the month ending May 31, 2025, ARJWS is trending appropriately for revenues and expenses for the first (11) eleven months of the fiscal year.

See the Profit & Loss report for additional information.

Safety Training

May
Subject: Heat Stress, BBP Awareness, Hearing Conservation
Training Date: May 22, 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 May 31, 2025

	Annual Budget	YTD Budget (11 months)	YTD Actual	11+1 Year End Projection	Ideal Percentage	% of Budget	YTD Variance	
Operating Revenue								
Operations and Maintenance	7,293,900	6,686,075	6,580,097	7,187,922	83%	90%	(105,978)	
Capital Charges	5,206,053	4,772,215	4,772,215	5,206,053	83%	92%	-	
Renewal and Replacement								
Water System	1,499,582	1,374,617	1,374,131	1,499,096	83%	92%	(486)	
Pump Station	67,764	62,117	62,170	67,817	83%	92%	53	
Miscellaneous	52,653	48,265	474,996	479,384	83%	902%	426,731	**A**
Total Operating Revenue	14,119,952	12,943,289	13,263,609	14,440,272				
Operating Expenses								
Salaries and Wages	1,961,500	1,798,042	1,806,729	1,970,188	83%	92%	8,688	**B**
Payroll Taxes and Employee Benefits	769,700	705,558	683,426	747,567	83%	89%	(22,133)	
Operations and Maintenance								
Administrative Expenses	358,600	328,717	242,259	272,143	83%	68%	(86,457)	
Operations Expenses								
Lab Supplies/Uniforms/Safety Equipment	159,200	118,433	101,314	142,081	83%	64%	(17,119)	
Chemicals	1,190,700	1,086,892	1,015,541	1,119,350	83%	85%	(71,350)	
Sludge and Chemical Disposal	305,000	275,000	295,296	305,000	83%	97%	20,296	
Utilities and Security	1,598,900	1,465,658	1,205,105	1,338,347	83%	75%	(260,553)	
Maintenance Expenses	606,200	555,683	428,423	478,940	83%	71%	(127,260)	
Professional Fees	82,500	75,625	29,446	36,321	83%	36%	(46,179)	
Insurance	102,600	94,050	122,059	102,600	83%	119%	28,009	**C**
Debt Expenses	5,406,053	4,789,112	4,812,218	5,406,053	83%	89%	23,106	
Miscellaneous Expenses	159,000	145,750	159,518	172,768	83%	100%	13,768	
Total operating expenses before depreciatic	12,699,953	11,438,521	10,901,335	12,091,357				
Net operating income	1,419,999	1,504,769	2,362,274	2,348,915				
Raw Water								
Raw Water Income	60,024	55,022	280,597	285,599				
Raw Water O&M Expenses	-	-	217,710	217,710				
Raw Water Operating Income	60,024	55,022	62,887	67,889				
Non-Budget Impacting Items								
Junior Lien Bond Payments	80,000	73,333	80,000	80,000				
Vehicle	40,000	36,667	44,100	44,100				
Raw Water Pumps	238,000	218,167	277,559	277,559				
Pump Station Upgrades and Repairs	61,000	57,750	331,502	331,502				
Clarifier #2	250,000	229,167	282,502	282,502				
Plant Repairs	-	-	150,418	150,418				
Miscellaneous Equipment	-	-	46,813	46,813				
SCIIP Grant Projects	540,000	495,000	1,914,401	1,500,000				
	1,209,000	1,110,083	3,127,295	2,712,894				

	Previous Month Cash Balances	Current Cash Balances	Days Cash on Hand
Operating Cash	3,010,558	3,028,549	87
Capital Project Fund	4,243,069	3,456,691	
System R&R Fund (Restricted)	1,215,290	1,345,029	
Pumped R&R Fund (Restricted)	457,827	426,101	
Raw Water O&M	109,727	113,172	
Raw Water R&R	319,097	322,800	
	9,355,567	8,692,341	

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.
C: Over budget mainly due to increased workers' comp premiums, general liability average percentage increases, and TIV increases for inflationary costs.

ANDERSON REGIONAL
JOINT WATER SYSTEM

998 Hunters Trail Anderson, SC 29625
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BOARD MEMORANDUM

June 11, 2025

Subject

Operations and Maintenance Report

Discussion

As of June 11, 2025, Lake Hartwell's surface elevation was 660.54 ft, 0.54 ft. above full pool and 0.54 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 80.6°F. Anderson Regional Water reached 100.0% of its settled water turbidity goals for the month of May. Raw water pH levels are relatively constant. Settled and finished water pH levels are normal. The maximum day for May water production was 50.7% of finished water capacity.

Operations and Maintenance Highlights

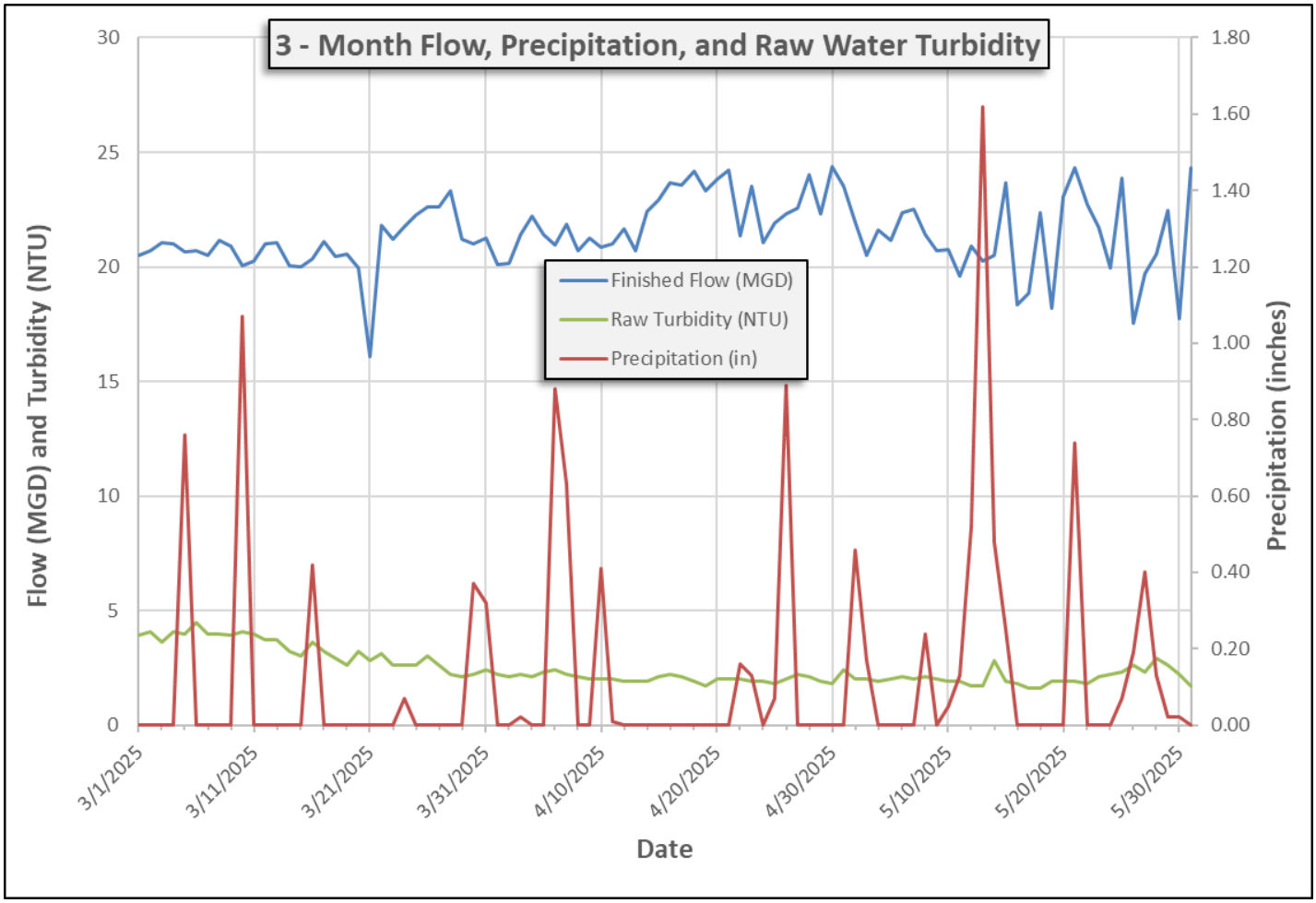
- Ozone chiller in-service
- Temporary hypo tanks installed
- Transfer Pump #6 soft start installed & in-service

In addition to water quality sampling for the Lake Hartwell Water Treatment Plant, Anderson Regional Water staff processed 239 Total Coliform distribution samples for local entities during the month of May.

Water Quality Data

	Raw	Settled	Finished
pH	6.85	6.64	7.11
Turbidity (NTU) Range	1.6 – 2.9	0.36 – 0.74	0.03 – 0.04
Turbidity (NTU) Average	2.06	0.54	0.03
Turbidity (NTU) Exceedance	-	0%	0%
Total Organic Carbon	1.64	-	0.87
Fluoride Average (ppm)	-	-	0.00
Phosphate Average (ppm)	-	-	0.50
Residual Disinfectant (ppm)	-	-	1.76
TTHM (DBP)	-	-	6.69 ppb
Methylisoborneol (MIB)	<1.0 NG/L	-	<1.0 NG/L
Geosmin	7.7 NG/L	-	<1.0 NG/L

Weather Data



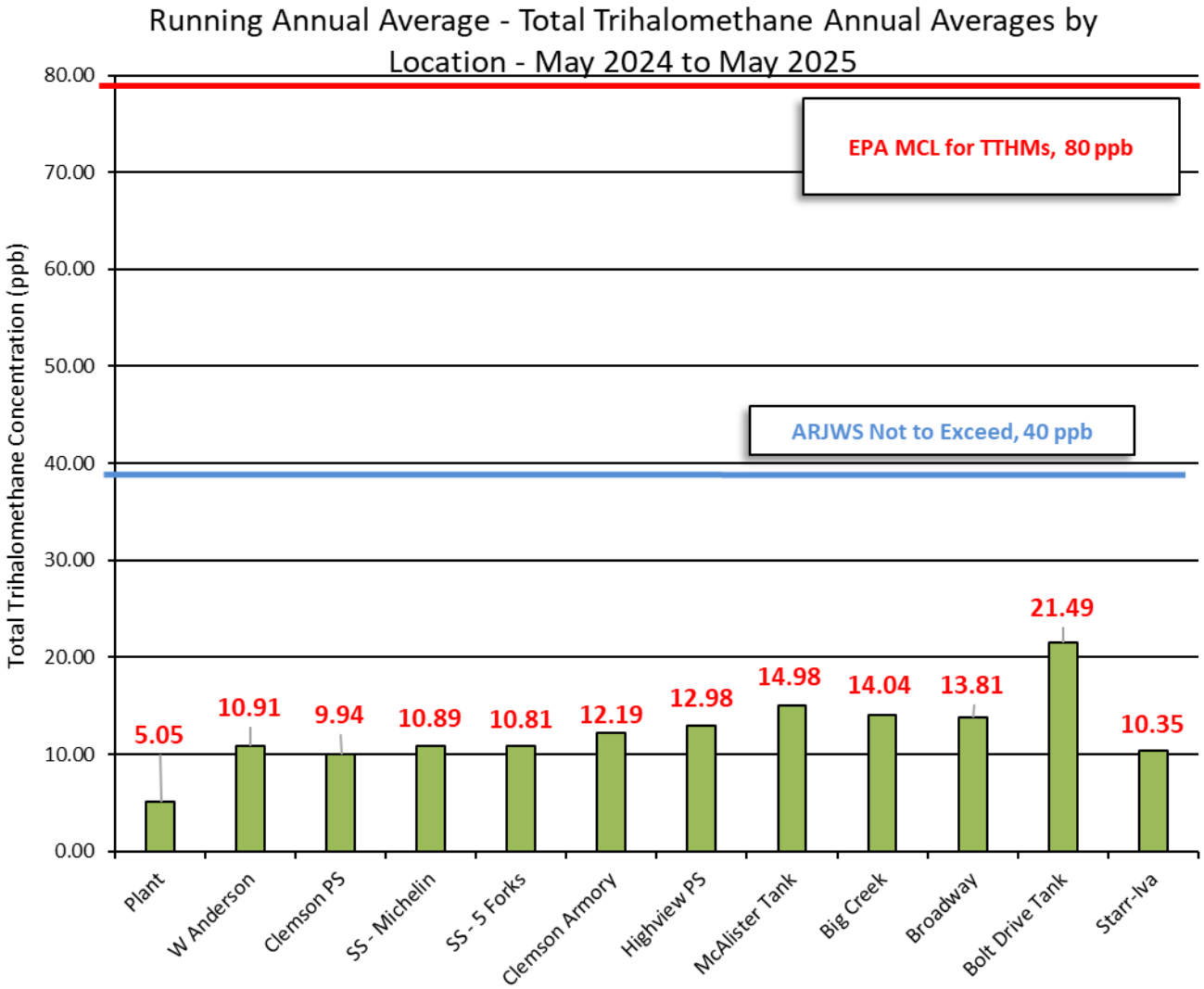
	Minimum	Maximum	Total
Rainfall	0.00 in.	1.62 in.	5.49 in.
Temperature	50.2° F	86.7° F	N/A
Humidity	35%	99%	N/A

Water Production Data

	Average	Minimum	Maximum	Total
Raw Water	21,090,000	16,590,000	24,622,000	653,787,000
Finished Water	21,194,000	17,538,000	24,322,000	657,018,000
Finished Max Capacity	44.2%	36.5%	50.7%	

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 May, ARJWS treated 657,018,000 gallons of water at a power cost of $103.16 per million gallons produced. The 12-month running annual average is currently $117.94.

Monthly Power Consumption Data

Month	On Peak kWh	Off Peak kWh	Total kWh	Finished Water MG	$/ MG	12 month Average
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
May – 25	210,505	993,205	1,203,710	657.0	$103.16	$117.94

Water Quality Strategic Planning

For the month of May, 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