

BOONSBORO KEEDYSVILLE WATER ADVISORY BOARD
MEETING MINUTES
Wednesday December 11, 2024

Voting members present -Chairperson Jean Holloway , Eric Kitchen (B-Alt), Tony Nalley (B), Matt Hull (K), Brandon Sweeney (K) and Judy Kerns (K-Alt).

Others present - Water & Sewer Superintendent Pete Shumaker, Keedysville Town Administrator Lisa Riner, Boonsboro Town Manager Rachel Souders, BMUC Chairman Colin Shanaberger and Yvette May, Recording Secretary. Absent – Board Member Long. The meeting convened at 6:30 PM at Keedysville Town Hall.

- I. Approval of minutes: August 1, 2024, regular meeting- Motion by Board Member Hull and second by Board Member Kitchen to approve Minutes. **Motion carried unanimously.**
- II. FY24 Keedysville cost-sharing true-up / FY25 Cost-sharing Projections – Keedysville Town Manager Riner reviewed the final true-up result for FY24. The total amount due from Keedysville to Boonsboro for the year is \$79,184 which is \$31,392 less than what was projected. The most significant differences between the FY24 projected cost to Keedysville and the actual cost are 1) capital was less than projected and 2) no contingency expenditure was required.

	Budget	Actual	Difference
Shared operating expense	\$397,845	\$402,872	\$5,027
Shared capital	\$170,000	\$14,996	\$-155,004
Percent of water used	15.5%	13.8%	-1.7%
Billing and customer accounting	\$13,693	\$13,145	-\$548
Daily operations of tank & booster station	\$7,549	\$8,373	\$824

Motion by Board Member Kitchen and second by Board Member Hull to approve the cost-sharing true-up for FY24 with a payment from Boonsboro to Keedysville of \$31,392. Motion carried unanimously.

Keedysville Town Manager Riner reviewed the proposed Projected FY25 Cost Sharing and estimated payments from Keedysville to Boonsboro. Keedysville’s projected percentage of total water produced is lowered from 15.5% to 14.5% based on the recent uptick in water pumped to Boonsboro due to an increase in water loss. The cause of the additional water loss is leaks in the reservoir, which is scheduled to be replaced in FY25.

While shared operating expenses have increased, this amount is slightly lower than the FY24 projected cost due to the lower projected capital expense and a reduced percentage of water projected to be provided to Keedysville.

Total applicable operating expense	\$895,568
Shared Capital	\$156,179
Percent of water used	14.5%
Billing and customer accounting	\$13,594

Motion by Board Member Hull and second by Board Member Nalley to approve the proposed cost-sharing true-up for FY25 with a projected FY25 annual payment from Keedysville to Boonsboro is \$109,748 (\$27,437 per quarter). Motion carried unanimously.

- III. Status of Boonsboro capital projects
- A. Shafer Park Well – Water & Sewer Superintendent Shumaker stated he is in contact with Phillips Well Drilling and the work will be completed in January 2025.
- B. Crestview Pressure Reducing Booster Station – Town Manager Souders stated the Engineers are still working on plans to either excavate or bore for the stream crossing.

- C. Boonsboro Reservoir Replacement – Town Manager Souders stated that all contracts are signed, and a Pre-construction Meeting was held on the 11th. HRI informed the Town the project has a start date of February 2025 with 500 days completion time.
- IV. Review quarterly usage report and metering between the Towns – Chairman Holloway reviewed the usage report with the Board noting Boonsboro's loss still remains quite high.
- V. Review of available capacity allocation -Chairman Holloway reviewed the data with the Board. She asked why Warrenfeltz Spring's Available Capacity GPD was more than the Permitted Daily Average Flow GPD. Water & Sewer Superintendent Shumaker stated that the Available Capacity amount was the max that he could pull/per day and the permitted Daily average only needs to be an average/day for a year.
- VI. Draft new consolidated agreement between the Towns
 - A. Keedysville Town Manager Riner stated they did receive comments from their attorney, and she would forward those comments to Boonsboro. Boonsboro Town Manager Souders stated that Boonsboro will be re-submitting the agreement to a new attorney.
- VII. Old business
 - A. Lead & Copper Inventories – Keedysville Town Manager Riner stated that the project is completed and stated the LCRRSL Inventory Spreadsheet was submitted by the deadline.
 - B. Bedrock waterline replacement engineering -Keedysville Town Manager Riner stated EADS engineering work is 60% completed. She stated she is still investigating funding.
 - C. GIS System – Keedysville Town Manager Riner stated they are talking to EADS to start putting Keedysville into a GIS System. She stated that some talks with Boonsboro are necessary since Keedysville and Boonsboro are regarded as a single water system by MDE and there needs to be an agreement drawn.
 - D. Internal Water Audit – No updates
- VIII. New business
 - A. Planning for future Meetings – Boonsboro Town Manager Souders stated that the responsibilities of creating the agenda and managing the communications to the board needed to be clarified. In reviewing the responsibilities of the Chairman, she stated those responsibilities would fall unto Chairman Holloway. The Board also discussed alternative meeting dates. The Board proposed that after the February 2025 meeting, the dates would run quarterly, January, April, July and October and remain the 2nd Wednesday of those months. The Board will vote at the February Meeting.
- IX. System operator's report – Water & Sewer Superintendent Shumaker stated there were issues with the Spring pumps. One had been pulled and was being repaired for 2 months and the other recently had pressure relief valve issues that he had to repair. He did reach out to the company repairing the pump to stress the importance of completing the repair.
- X. Public comment - None

There were no additional discussions. **Motion by Chairman Holloway and second by Board Member Hull to adjourn the meeting at 7:23pm.** The next regularly scheduled meeting is February 12, 2024 6:30 PM at Boonsboro. (Regular meetings are 2nd Wednesday of February, May , August and December)

BOONSBORO KEEDYSVILLE WATER ADVISORY BOARD

Wednesday December 11, 2024 6:30 PM

Keedysville Town Hall

AGENDA

Rules of procedure: Members of the Water Advisory Board, alternates and town staff or others involved with the operation of the joint water system are welcome to sit at the table during our meetings provided there is sufficient room. Discussion is open but with priority given to members of the Board. The Chair reserves the right to limit discussion to Board members at his/her discretion in accordance with the Board's Bylaws. Voting is restricted to the 5 members of the Board or alternates serving in the place of a Board member.

- I. Approval of meeting minutes from August 1, 2024
- II. FY24 Keedysville cost-sharing true-up / FY25 Cost-sharing Projections - *Lisa*
- III. Status of Boonsboro capital projects
 - A. Shafer Park Well - *Pete*
 - B. Crestview Pressure Reducing Booster Station - *Drew*
 - C. Boonsboro reservoir replacement - *Rachel & Drew*
- IV. Review quarterly usage report and metering between the Towns - *Jean*
- V. Review of available capacity allocation - *Jean*
- VI. Draft new consolidated agreement between the Towns
 - A. Attorney Review?
- VII. Old business
 - A. Lead & Copper Inventories - *Rachel & Lisa*
 - B. Bedrock waterline replacement engineering - *Lisa*
 - C. GIS System – *Drew & Lisa*
 - D. Internal Water Audit - *Drew*
- VIII. New business
 - A. Planning for future Meetings – *Rachel*
- IX. System operator's report - *Pete*
- X. Public comment

NEXT SCHEDULED MEETING: Wed. February 12, 2024 6:30 PM at Boonsboro
(Regular meetings are 2nd Wednesday of Feb, May and Aug and December)

Standard Agenda Schedule:

February

- Review of current year CIP projects
- Review of proposed CIP projects for coming year
- Review of water rates for each town

May

- Review of current year CIP projects
- Review of proposed CIP projects for coming year

August

- Projected costs for Keedysville for current year
- Update of current year CIP projects
- Review available capacity allocation

December

- True-up of prior year costs for Keedysville
- Review of current year CIP projects (included in projected costs for current year)
- Review of proposed CIP projects for coming fiscal year

BOONSBORO KEEDYSVILLE WATER ADVISORY BOARD
PROPOSED KEEDYSVILLE COST-SHARING TRUE-UP FOR FY24

Prepared by: Lisa Riner, Keedysville Town Administrator

Prepared: December 10, 2024

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Boonsboro Keedysville Water Service

Narrative of the Keedysville Cost-Sharing True-up for FY24

Keedysville's FY24 projected cost and actual cost were based on the following factors which are supported in the subsequent detail pages:

	<u>Budget</u>	<u>Actual</u>	<u>Difference</u>
Shared operating expense	\$397,845	\$402,872	\$5,027
Shared capital	\$170,000	\$14,996	-\$155,004
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Billing and customer accounting	\$13,693	\$13,145	-\$548
Daily operations of tank and booster station	\$7,549	\$8,373	\$824

The total amount due from Keedysville to Boonsboro for the year is \$79,184 which is \$31,392 less than what was projected.

The most significant differences between the FY24 projected cost to Keedysville and the actual cost are 1) capital was less than projected and 2) no contingency expenditure was required.

The final true-up result for FY24 is a payment from Boonsboro to Keedysville of \$31,392.

Ln#	Line # from rate formula	Description	FY22/23			FY23/24			FY24/25		
			Budget	Actual	Difference	Budget	Actual	Difference	Budget	Actual	Difference
1	3a-b	Boonsboro Operating Expenses	\$5,906,918	\$992,635		\$8,109,338	\$946,264		\$1,703,998		
2		Adjustment #3 - Less budgeted contingency	(193,670)	NA		(33,983)	NA		-		
3		Adjustment #3A - Add back contingency	20,000	NA		20,000	NA		20,000		
4		Adjustment #4 - Less reimb'd engineering fees	-	-		-	-		-		
5		Adjustment #5 - Less capital expense	(4,998,000)	(289,374)		(7,257,020)	(119,002)		(594,270)		
6		Adjustment #5A - Less debt-service+interest	(21,404)	NA		(21,404)	NA		(214,160)		
7		Adjustment #6 - Less direct pay by K to B	(13,319)	(14,133)		(13,693)	(13,145)		(13,594)		
8		Customer billing	(7,080)	(8,116)		(7,549)	(8,373)		(8,747)		
10		Daily operations labor for tank + booster station									
11		Total applicable operating expenses	\$693,445	\$681,012	(\$12,433)	\$795,689	\$805,744	\$10,055	\$893,227	\$0	\$0
12	3c	Less 50% for the estimated cost of operation, maintenance & repair to B. distribution system	(346,722)	(340,506)		(397,845)	(402,872)		(446,613)	-	
13		Sub-total operational expense to be shared	\$346,722	\$340,506	(\$6,216)	\$397,845	\$402,872	\$5,027	\$446,613	\$0	
14	3d	Plus cash cost of any capital improvement serving both Towns	198,000	95,674	(102,326)	170,000	14,996	(155,004)	156,179		
15	3e	Plus debt-service on any financed improvements serving both towns	-	-		-	-		-		
16	3f	Total	\$544,722	\$436,180	(\$108,542)	\$567,845	\$417,868	(\$149,977)	\$602,792	\$0	
17	2	Keedysville % of total water pumped	16.0%	14.7%	-1.3%	15.5%	13.8%	-1.7%	14.5%		
18	3g	Keedysville annual cost water service	\$87,156	\$64,118	-\$23,037	\$88,016	\$57,666	-\$30,350	\$87,405	\$0	
19		ADD: K portion of customer billing expense	13,319	14,133	814	13,693	13,145	(548)	13,594		
20		ADD: Daily operations labor for tank + booster station	7,080	8,116	1,036	7,549	8,373	824	8,747		
21		ADJUST: Billing related capital to K % of water accounts	1,044			1,320			0		
22		Keedysville total annual expense	\$108,599	\$86,368	-\$22,231	\$110,578	\$79,184	-\$31,394	\$109,746	\$0	

23	Payments:	Estimated quarterly cost	27,150	27,644	27,436
24		First quarter billed	27,150	27,644	
25		Second quarter billed	27,150	27,644	
26		Third quarter billed	27,150	27,644	
27		Fourth quarter billed	27,150	27,644	
28			108,600	110,576	
29		True-up due to B/(due from B)	(\$22,232)	(\$31,392)	\$0

NOTES:

Prepared by: Lisa Riner, K Town Administrator, 12/10/24

BOONSBORO MAYOR AND COUNCIL

STATEMENT OF REVENUES AND EXPENDITURES – BUDGET AND ACTUAL – WATER UTILITY FUND (BUDGETARY BASIS)

Year ended June 30,

2024

	ORIGINAL BUDGET	FINAL BUDGET	ACTUAL	ACTUAL OVER (UNDER) BUDGET
OPERATING REVENUES				
Charges for services	\$ 708,000	\$ 708,000	\$ 758,435	\$ 50,435
Charges for administration	100,000	100,000	110,576	10,576
TOTAL OPERATING REVENUES	808,000	808,000	869,011	61,011
OPERATING EXPENSES				
Advertising	1,000	1,000	610	(390)
Capital outlay	7,257,020	7,257,020	119,002	(7,138,018)
Chemicals	21,600	21,600	33,252	11,652
Communications	6,000	6,000	-	(6,000)
Connections	13,000	13,000	27,730	14,730
Contingency fund	-	-	1,000	1,000
Engineering services	7,000	7,000	-	(7,000)
Health insurance	119,976	119,976	159,365	39,389
Meetings	1,200	1,200	642	(558)
Miscellaneous	2,500	2,500	11,035	8,535
Payroll taxes	29,130	29,130	22,761	(6,369)
Postage	4,500	4,500	4,180	(320)
Professional services	12,000	12,000	5,375	(6,625)
Property insurance	8,000	8,000	7,706	(294)
Repairs and maintenance	70,000	70,000	70,491	491
Retirement	23,000	23,000	19,065	(3,935)
Salaries	318,650	318,650	313,267	(5,383)
Supplies	19,000	19,000	21,547	2,547
Testing	4,000	4,000	3,970	(30)
Tools and equipment	43,375	43,375	26,149	(17,226)
Training and certification	1,000	1,000	3,941	2,941
Uniforms	1,500	1,500	2,344	844
Utilities	70,000	70,000	72,873	2,873
Vehicles	15,000	15,000	16,470	1,470
Worker's compensation	5,500	5,500	3,489	(2,011)
TOTAL OPERATING EXPENSES	8,053,951	8,053,951	946,264	(7,107,687)
OPERATING INCOME (LOSS)	(7,245,951)	(7,245,951)	(77,253)	7,168,698
OTHER INCOME (EXPENSE)				
Debt service fees	23,768	23,768	24,147	379
Connection fees	10,550	10,550	10,550	-
Grants	7,131,020	7,131,020	78,640	(7,052,380)
Other income	-	-	14,189	14,189
Interest income	136,000	136,000	319,746	183,746
Interest expense	(1,549)	(1,549)	(1,972)	(423)
Debt service (principal payments)	(19,855)	(19,855)	(19,799)	56
Contingency	(33,983)	(33,983)	-	33,983
TOTAL OTHER INCOME (EXPENSE)	7,245,951	7,245,951	425,501	(6,820,450)
NET INCOME (LOSS)	\$ -	\$ -	\$ 348,248	\$ 348,248

Boonsboro Water Fund Capital Expense - FY24 and FY25

Capital Outlay - Cash						
Description	Approved Budget	Projected in Aug 2023		Audited Financial Statement		
		Total	Shared	Total	Shared - Cash	Shared - Financed
Reservoir replacement	6,100,000	6,100,000	0	72,286	0	0
Shafer Park well replacement	250,000	250,000	150,000	12,708	12,708	0
Advanced metering system (650K total):			**			
Infrastructure	630,000	630,000		1,364	0	0
Billing software	20,000	20,000	20,000	0	0	0
Alt 40 waterline looping	200,000	200,000	0	1,003	0	0
Utility billing software	57,000	0	0	0	0	0
Crestview Bypass & prV Vaults				16,859	0	0
Boonsboro/Keedysville Pressure Study				2,288	2,288	0
TOTAL	\$7,257,000	\$7,200,000	\$170,000	\$106,508	\$14,996	\$0

Capital Debt Service - Shared						
Description	Approved Water Budget	Projected in Aug 2021		Actual		Notes
		Total	Shared	Total	Shared	
None	0	0	0	0	0	

Capital Outlay - Cash						
Description	Approved Water Budget	Projected in Sept 2024		Audited Financial Statement		
		Total	Shared	Total	Shared - Cash	Shared - Financed
Reservoir replacement	11,000,000	11,000,000	0			
Crestview water pressure	1,200,000	1,200,000	0			
Shafer Park well replacement	256,179	156,179	156,179			
Lead Pipe Inventory	72,654	15,730	0			
Security System Upgrade	100,000	0	0			
Dean South Looping	20,000	0	0			
TOTAL	\$12,648,833	\$12,371,909	\$156,179			

Capital Debt Service - Shared						
Description	Approved Water Budget	Projected in Aug 2023		Audited Financial Statement		
		Total	Shared	Total	Shared - Cash	Shared - Financed
None	0	0	0			

Shared=net of ARC \$100K grant
Keedysville's amount of \$7,770 will be paid directly to EADS

**Boonsboro/Keedysville Regional Water System
FY23/24 Quarterly Usage Report**

Month	Fin - Utility	Production	Well #8	Raw Water Metered	Warrentfeltz & Park Well	Total	Monthly Usage Received Per Town				Qtrly Gallons Billed to Customers		
							Boonsboro	%	Keedysville	%	Boonsboro	Keedysville	Lost
Jul 23	5,538,067	2,245,000	701,000	4,569,000	13,053,067	13,053,067	11,045,540	0.846	2,007,527	0.154	154		Lost
Aug 23	5,704,633	2,567,000	351,000	4,548,000	13,170,633	13,170,633	11,341,250	0.861	1,829,383	0.139	139		
Sep 23	5,597,770	2,461,000	1,232,000	4,242,000	13,532,770	13,532,770	11,729,120	0.867	1,803,650	0.133	133		
1st Qtr	16,840,470	7,273,000	2,284,000	13,359,000	39,756,470	39,756,470	34,115,910	0.858	5,640,560	0.142	20,909,150	4,960,865	12.1%
									FALSE				-679,695
Oct 23	5,872,000	2,486,000	1,821,000	4,354,000	14,533,000	14,533,000	12,608,367	0.868	1,924,633	0.132			
Nov 23	6,021,000	1,674,000	1,887,000	4,508,000	14,090,000	14,090,000	12,280,775	0.872	1,809,225	0.128			
Dec 23	6,355,000	2,433,000	1,236,000	4,629,000	14,653,000	14,653,000	12,616,126	0.861	2,036,874	0.139			
2nd Qtr	18,248,000	6,593,000	4,944,000	13,491,000	43,276,000	43,276,000	37,505,268	0.867	5,770,732	0.133	20,435,245	4,528,370	21.5%
													-1,242,362
Jan 24	6,335,000	2,590,000	935,000	4,703,000	14,563,000	14,563,000	12,464,345	0.856	2,098,655	0.144			
Feb 24	5,881,000	2,247,000	000,000	5,172,000	13,300,000	13,300,000	11,438,905	0.860	1,861,095	0.140			
Mar 24	6,072,000	2,585,000	400,000	5,102,000	14,159,000	14,159,000	12,284,125	0.868	1,874,875	0.132			
3rd Qtr	18,288,000	7,422,000	1,335,000	14,977,000	42,022,000	42,022,000	36,187,375	0.861	5,834,625	0.139	19,085,306	4,487,605	23.1%
													-1,347,020
Apr 24	5,084,000	2,498,000	555,000	5,203,000	13,340,000	13,340,000	11,488,362	0.861	1,851,638	0.139			
May 24	5,869,000	2,577,000	2,390,000	3,750,000	14,586,000	14,586,000	12,513,317	0.858	2,072,683	0.142			
Jun 24	6,019,000	2,091,000	1,284,000	5,363,000	14,757,000	14,757,000	12,734,090	0.863	2,022,910	0.137			
4th Qtr	16,972,000	7,166,000	4,229,000	14,316,000	42,683,000	42,683,000	36,735,769	0.861	5,947,231	0.139	20,169,469	4,532,087	23.8%
													-1,415,144
Total 23/24	70,348,470	28,454,000	12,792,000	56,143,000	144,544,322	144,544,322	123,193,148	0.862	23,193,148	0.138	80,599,170	18,508,927	20.2%

Total 23/24	-63,945,152	-4,684,221
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Accounted Non Rev/Loss	1,878,488
Un-accounted Non Rev/Loss	-62,066,664
	-4,684,221

NON REVENUE WATER	
8/1/2023	25000.00
8/9/2023 Ace Flushing	40000.00
Boonsboro Mountain Rd	
8/10/2023 leak	10000.00
8267 Barn	
8/14/2023 Fire	100000.00
Lanafield	
10/16/2023 Circle Leak	405000.00
10/18/2023 tower testing	20000.00

NON REVENUE WATER							WATER LOSS	
	MILL POINT	VALLEY VIEW	MT LAUREL	FIRE	Misc	LEAKS	Hydrants	Tower Overflow/Testing
1ST	10,226			100,000	25000	10,000	40,000	
2ND	14,386			500,000		405,000		21,000
3RD	0					500,000		120,000
4TH	876				2000	100,000	30,000	

Cost of Daily Operations Labor at Keedysville Tank and Booster Station FY24 Actuals

By agreement between the Towns Keedysville is charged for 1/2 hour per day of water operator time for routine inspection and daily operations of the water tank and booster station in Keedysville.

		Retired 3/29/2024		Hired 3/18/2024			
Regular Time		Shumaker	DeGrange	Hill	Morton	Olthof	
Hourly rate		\$35.93	\$21.05	\$25.88	\$19.85	\$18.00	
Salary for fiscal year		\$74,734	\$37,048	\$53,830	\$41,288	\$11,520	
FICA + Medicare @7.65%	0.0765	5,717	2,834	4,118	3,159	881	
Health Ins (Annual)		8,822	8,822	20,692	20,692	8,822	
Life Ins (Annual)		104	86	104	104	104	
Short term disability (Annual)		245	152	135	135	135	
Unemployment @.021 x \$8500		179	179	179	179	179	
Workers Compensation	0.03	2,242	1,111	1,615	1,239	346	
Pension	0.07	6,375	3,004	4,239	3,479	0	
Total wage and benefit		\$98,418	\$53,236	\$84,912	\$70,274	\$21,986	\$328,826
Regular work hours/week		40	40	40	40	40	
Weeks employed		52	44	52	52	16	
Annual hours paid		2,080	1,760	2,080	2,080	640	
Less:							
Personal leave		240	186	160	120	25	
Total on job hours		1,840	1,574	1,920	1,960	615	7,909
Billing hourly rate		\$53.49	\$33.82	\$44.22	\$35.85	\$35.75	
Average rate for all 4							\$41.58
Overtime Rate Saturday x1.5		\$53.90	\$31.58	\$38.82	\$29.78	\$27.00	
FICA + Medicare @7.65%	0.0765	4.12	2.42	2.97	2.28	2.07	
Pension 7% of all wages	0.07	3.77	2.21	2.72	2.08	1.89	
Total direct cost per hour		\$61.79	\$36.20	\$44.51	\$34.14	\$30.96	
Average of 4 employees							\$44.16
Overtime Rate Sunday x2.0		\$71.86	\$42.10	\$51.76	\$39.70	\$36.00	
FICA + Medicare @7.65%	0.0765	5.50	3.22	3.96	3.04	2.75	
Pension 7% of all wages	0.07	5.03	2.95	3.62	2.78	2.52	
Total direct cost per hour		\$82.39	\$48.27	\$59.34	\$45.52	\$41.27	
Average of 4 employees							\$69.20

Day of the week	Days in Yr	Hrs per Day		Total
Monday - Friday	261	0.5	\$41.58	\$5,425.69
Saturday	52	0.5	\$44.16	\$1,148.13
Sunday	52	0.5	\$69.20	\$1,799.12
TOTAL	365			\$8,372.95

Prepared: B staff 12/10/24

**Boonsboro Billing and Customer Accounting for Keedysville Accounts
FY24**

Contracted Services and Supplies		
Contracted Billing Service:		
HBP printing and mailing costs	\$4,493	
Other	0	
Total contracted services and supplies		\$4,493

Administrative Asst/Water & Sewer

		Rate	Amount
Annual wages	2,080	23.47	\$48,818
FICA		0.0765	3,735
Health Insurance			18,165
Life Insurance			86
Short Term Disability			180
Unemployment (first \$8,500)	\$8,500	0.021	179
Workers Compensation		0.01	488
Pension		0.07	3,417
Total wage and benefits			\$75,067
Work hours	40	52	2080
LESS: Personal Leave			-120
Total on job hours			1,960
Billing rate per hour			\$38.30
% time Administrative Asst on water and sewer			85.0%
	Total	Water Only	
B water accounts	1,440	1,440	
B sewer accounts	1,352		
K water accounts	409	409	
Total accounts	3,201	1,849	
% K+B water accounts of total accounts			57.8%
% K accounts of total water accounts			22.1%
Annual hours for Keedysville			225.9
			\$8,652

Total Billing and Customer Accounting	\$13,145
--	-----------------

Keedysville Annual Usage and Costs Recap FY11 - FY25

	Total Gallons Pumped to K	% System Total Pumped to K	K Total Annual Cost	\$/1,000 Gal Pumped to K	Gallons Metered to K Customers	\$/1,000 Gal. Metered to K Customers	Total Shared Capital B + K combined	Billing Fees (incl.)
FY11	31,025,000	18.6%	\$39,264	\$1.27	20,933,330	\$1.88	\$0	\$2,564
FY12	26,296,000	15.8%	\$40,908	\$1.56	19,519,970	\$2.10	\$20,257	\$2,616
FY13	23,012,000	14.5%	\$38,102	\$1.66	19,687,738	\$1.94	\$13,553	\$2,808
FY14	23,473,000	14.8%	\$47,993	\$2.04	18,819,588	\$2.55	\$71,327	\$2,628
FY15	23,379,000	14.1%	\$46,440	\$1.99	19,227,111	\$2.42	\$14,737	\$2,886
FY16	22,847,500	14.5%	\$63,203	\$2.77	18,678,173	\$3.38	\$50,867	\$5,653
FY17	23,409,500	14.2%	\$66,205	\$2.83	19,013,756	\$3.48	\$109,335	\$5,465
FY18	22,496,900	14.4%	\$52,300	\$2.32	19,189,694	\$2.73	\$16,160	\$4,836
FY19	23,564,867	16.1%	\$59,714	\$2.53	19,476,957	\$3.07	\$14,031	\$5,132
FY20	23,206,313	16.4%	\$56,545	\$2.44	19,370,629	\$2.92	\$13,600	\$7,016
FY21	22,175,833	15.8%	\$60,530	\$2.73	19,106,451	\$3.17	\$13,602	\$9,794
FY22	22,373,202	16.2%	\$77,639	\$3.47	19,114,256	\$4.06	\$46,359	\$12,144
FY23	20,322,981	14.7%	\$86,368	\$4.25	18,390,902	\$4.70	\$95,674	\$14,133
FY24	23,193,148	13.8%	\$110,578	\$4.77	18,508,927	\$5.97	\$14,996	\$13,145
FY25 (projected)	21,500,000	14.5%	\$120,737	\$5.62	18,400,000	\$6.56	\$156,179	\$13,594

Prepared: Lisa Riner, 12/10/24

BOONSBORO KEEDYSVILLE WATER ADVISORY BOARD

PROPOSED KEEDYSVILLE COST-SHARING PROJECTIONS FOR FY25

Prepared by: Lisa Riner, Keedysville Town Administrator

Presented: September 27, 2024

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Boonsboro Keedysville Water Service

Narrative of the Keedysville Cost-Sharing Projection for FY25

The proposed projected cost-sharing and estimated payments from Keedysville to Boonsboro for FY25 are based on the following:

	<u>Budget</u>
Total applicable operating expense	\$895,568
Capital	\$156,179
Percent of water used	14.5%
Billing and customer accounting	\$13,594
Daily operations of tank and booster station	\$8,747

Shared capital includes \$156,179 for the new Park Well.

Keedysville's projected percent of total water produced is lowered from 15.5% to 14.5% based on the recent uptick in water pumped to Boonsboro due to an increase in water loss. The cause of the additional water loss is leaks in the reservoir, which is scheduled to be replaced in FY25.

The projected FY25 annual payment from Keedysville to Boonsboro is \$109,748 (\$27,437 *per quarter*). While shared operating expenses have increased, this amount is slightly lower than the FY24 projected cost due to lower projected capital expense and a reduced percentage of water projected to be provided to Keedysville.

The FY25 projected annual payment by Keedysville to Boonsboro will be trued-up to actual costs in December of 2025 following completion of Boonsboro's FY25 audited financial statements.

Prepared by: Lisa Riner September 27, 2024

Ln#	Line # from rate formula	Description	FY22/23			FY23/24			FY24/25		
			Budget	Actual	Difference	Budget	Actual	Difference	Budget	Actual	Difference
1	3a-b	Boonsboro Operating Expenses	\$5,906,918	\$992,635		\$8,109,338			\$1,703,998		
2		Adjustment #3 - Less budgeted contingency	(193,670)	NA		(33,983)			-		
3		Adjustment #3A - Add back contingency	20,000	NA		20,000			20,000		
4		Adjustment #4 - Less reimb'd engineering fees	-	-					-		
5		Adjustment #5 - Less capital expense	(4,998,000)	(289,374)		(7,257,020)			(594,270)		
6		Adjustment #5A - Less debt-service+interest	(21,404)	NA		(21,404)			(214,160)		
7		Adjustment #6 - Less direct pay by K to B									
8		Customer billing	(13,319)	(14,133)		(13,693)			(13,594)		
10		Daily operations labor for tank + booster station	(7,080)	(8,116)		(7,549)			(8,747)		
11		Total applicable operating expenses	\$693,445	\$681,012	(\$12,433)	\$795,689	\$0	(\$795,689)	\$893,227	\$0	\$0
12	3c	Less 50% for the estimated cost of operation, maintenance & repair to B. distribution system	(346,722)	(340,506)		(397,845)	-		(446,613)	-	
13		Sub-total operational expense to be shared	\$346,722	\$340,506	(\$6,216)	\$397,845	\$0	(\$397,845)	\$446,613	\$0	
14	3d	Plus cash cost of any capital improvement serving both Towns	198,000	95,674	(102,326)	170,000		(170,000)	156,179		
15	3e	Plus debt-service on any financed improvements serving both towns	-	-		-	-		-		
16	3f	Total	\$544,722	\$436,180	(\$108,542)	\$567,845	\$0	(\$567,845)	\$602,792	\$0	
17	2	Keedysville % of total water pumped	16.0%	14.7%	-1.3%	15.5%		-15.5%	14.5%		
18	3g	Keedysville annual cost water service	\$87,156	\$64,118	-\$23,037	\$88,016	\$0	-\$88,016	\$87,405	\$0	
19		ADD: K portion of customer billing expense	13,319	14,133	814	13,693		(13,693)	13,594		
20		ADD: Daily operations labor for tank + booster station	7,080	8,116	1,036	7,549		(7,549)	8,747		
21		ADJUST: Billing related capital to K % of water accounts	1,044			1,320			0		
22		Keedysville total annual expense	\$108,599	\$86,368	-\$22,231	\$110,578	\$0	-\$110,578	\$109,746	\$0	

23	Payments:		27,150			27,644			27,437		
24		Estimated quarterly cost		27,150							
25		First quarter billed		27,150							
26		Second quarter billed		27,150							
27		Third quarter billed		27,150							
27		Fourth quarter billed		27,150							
28				108,600			-			-	
29		True-up due to B/(due from B)		<u><u>(\$22,232)</u></u>			<u><u>\$0</u></u>			<u><u>\$0</u></u>	

NOTES:

Prepared by: Lisa Riner, 09/27/24

Town of Boonsboro
Fiscal Year 2025 Budget
Water Fund

To Be Added

Revenues									
	2025 Budget	2025 YTD	2025 Variance	2024 Budget	2024 YTD	2024 Variance	2023 Budget	2023 YTD	2023 Variance
Operating Revenues									
Water Charges-Boonsboro	822,000			708,000	388,362	(319,638)	650,000	671,493	21,493
Debt Service Charge-Alt 40	24,080			23,768	12,083	(11,685)	23,768	24,151	383
Keedysville Admin. Charges	50,000			100,000	55,288	(44,712)	72,000	129,483	57,483
Connection Fees (\$10,550/EDU)	274,300			9,550	0	(9,550)	9,550	10,550	1,000
Credit Card Fees	10,000			0	9,699	9,699	0	12,636	12,636
Total Operating Revenues	1,180,380	0	(1,180,380)	841,318	465,432	(375,886)	755,318	848,313	92,995
Other Revenues									
Interest Income	150,000			136,000	20,658	(115,342)	3,500	84,901	81,401
Returned Check Fees	0			0	0	0	0	0	0
Gain on Sale of Assets	0			0	0	0	0	0	0
Keedysville Contributions	30,000			128,000	0	(128,000)	150,600	0	(150,600)
Prior Year Reserves/User Fees	343,618			0	0	0	0	0	0
Total Other Revenues	523,618	0	(523,618)	7,268,020	364,276	(6,903,744)	5,151,600	301,462	(4,850,138)
Total Revenues	1,703,998	0	(1,703,998)	8,109,338	829,708	(7,279,630)	5,906,918	1,149,775	(4,757,143)
Expenses									
	2025 Budget	2025 YTD	2025 Variance	2024 Budget	2024 YTD	2024 Variance	2023 Budget	2023 YTD	2023 Variance
Administrative Salary									
Salaries - Administrative	129,388			95,000	69,497	(25,503)	90,000	97,948	7,948
Payroll Taxes - Administrative	12,458			9,000	5,510	(3,490)	8,100	7,675	(425)
Health/Life/STD - Administrative	50,000			42,000	31,830	(10,170)	30,000	40,939	10,939
Workers Comp - Administrative	400			500	340	(160)	132	116	(16)
Pension - Administrative	11,400			7,000	6,044	(956)	5,730	5,303	(427)
Total Administrative Salary	203,646	0	(203,646)	153,500	113,220	(40,280)	133,962	151,981	18,019
Operations Salary									
Salaries - Operations	239,992			223,650	144,323	(79,327)	213,000	185,189	(27,811)
Salaries - OT Operations (1.5x)	14,400			11,000	12,000	1,000	11,000	12,000	1,000
Salaries - SpOT Operations (2x)	7,200			6,000	6,000	0	6,000	6,000	0
Payroll Taxes - Operations	21,000			20,130	10,580	(9,550)	18,750	14,835	(3,915)
Health/Life/STD - Operations	105,000			77,976	76,222	(1,754)	68,400	88,869	20,469
Workers Comp - Operations	5,000			5,000	2,901	(2,099)	8,400	2,966	(5,434)
Pension - Operations	18,500			16,000	15,786	(214)	14,700	8,891	(5,809)
Total Operations Salary	411,092	0	(411,092)	359,756	267,812	(91,944)	340,250	318,751	(21,499)
Administrative Expenses									
Insurance - Property/Vehicles	8,000			8,000	5,782	(2,218)	8,000	6,492	(1,508)
Audit Fees	5,375			6,000	0	(6,000)	4,000	3,415	(585)
Legal Fees	3,000			6,000	0	(6,000)	7,000	0	(7,000)
Advertising	500			1,000	0	(1,000)	1,000	410	(590)
Meeting Expense	1,000			1,200	462	(738)	1,200	180	(1,020)
Training/Certification	2,000			1,000	1,669	669	1,000	1,230	230
Miscellaneous	200			2,500	0	(2,500)	0	20,956	20,956
Bank Fees	0			0	0	0	0	45	45
Credit Card Fees	10,000			0	8,158	8,158	0	9,465	9,465
Office Supplies	15,000			15,000	10,698	(4,302)	12,432	18,031	5,599
Postage	4,000			4,500	2,348	(2,152)	3,000	4,034	1,034
Software/Subscriptions	4,455								

Total Administrative Expenses	53,530	0	(53,530)	58,200	32,985	(25,215)	50,632	70,057	19,425
Maintenance Expenses									
Testing	2,500			4,000	443	(3,557)	4,000	886	(3,114)
Major Repair Expense	30,000			30,000	29,857	(143)	30,000	4,007	(25,993)
Maintenance & Repair	40,000			40,000	33,372	(6,628)	40,000	40,918	918
Uniforms	1,100			1,500	916	(584)	3,000	761	(2,239)
Employee Cell Phones	1,200			1,000	1,000	0	1,000	1,000	0
Electricity	60,000			70,000	42,635	(27,365)	60,000	72,845	12,845
Vehicle Expense	8,000			15,000	6,683	(8,317)	20,000	12,839	(7,161)
Vehicle Gas	6,000			5,000	5,000	0	5,000	5,000	0
Major Equipment Expense	15,000			43,375	21,873	(21,502)	5,000	10,886	5,886
Annual Leak Detection Expense	7,500			6,400	6,400	0	6,400	6,400	0
Chemicals	25,000			21,600	22,244	644	18,000	23,438	5,438
Maintenance Supplies	4,000			4,000	2,180	(1,820)	6,000	6,336	336
Annual Fire Hydrant Maintenance	2,000			2,000	2,000	0	2,000	2,000	0
Annual Water Meter Replacements	25,000			13,000	12,980	(20)	12,000	12,000	0
Total Maintenance Expenses	227,300	0	(227,300)	256,875	187,583	(69,292)	212,400	199,730	(12,670)
Debt Service									
Loan Interest Alt40 Waterline	1,070			789	1,297	508	0	2,222	2,222
MDE Alt40 Waterline Loan	20,361			15,465	19,799	4,334	21,404	19,551	(1,853)
Reservoir Loan Payment	192,729								
Total Debt Service	214,160	0	(214,160)	21,404	21,096	(308)	21,404	21,773	369
Capital Improvement									
Special Projects Funding	250,652			0	0	0	0	35,664	35,664
Special Projects Funding/WF User Fees	343,618			0	0	0	0	0	0
Contingency Fund	0			33,983	1,000	(32,983)	193,670	0	(193,670)
Total Capital Improvement	594,270	0	(594,270)	7,291,003	27,875	(7,263,128)	5,191,670	296,518	(4,895,152)
Total Expenses	1,703,998	0	(1,703,998)	8,140,738	650,571	(7,490,167)	5,950,318	1,058,810	(4,891,508)
Total Revenues	1,703,998	0	(1,703,998)	8,109,338	829,708	(7,279,630)	5,906,918	1,149,775	(4,757,143)
Net Income	0	0	0	(31,400)	179,137	210,537	(43,400)	90,965	134,365

Town of Boonsboro
Fiscal Year 2025 Budget
Special Projects

321,660 General Fund Subsidy
100,000 Sewer Fund Subsidy
250,652 Water Fund Subsidy
672,312 Total Other Fund Subsidy

Revenues		2025	
(Estimated Cost) Reservoir Replacement		11,000,000	
Board of County Commissioners	1,000,000	Cash In Hand	
DGS 2023 PayGo (HB300/SB290)	1,000,000	Cash In Hand	
Rural MD Economic Development Fund	100,000	Cash In Hand	
EPA Grant	1,000,000	Being Handled by Eric & Tony	
American Rescue Plan	2,213,789	Cash in Hand, Need to Add Earned Interest	
American Rescue Plan Interest	40,000	Check and Project	
Water User Fee's (Unofficial ARPA Funds)	343,618	Cash In Hand	
FY25 State Senate Capital Budget	1,500,000		
FY25 State Senate Capital Budget	300,000	Getting Clarification on Use	
Washington County Commissioners Possible Funds	350,000		
Reservoir General Fund Subsidy	121,660		
Reservoir Replacement Loan	3,030,933		
Total Reservoir Replacement	11,000,000		
Sludge Dewatering Press		100,000	
Dewatering Press Funding #1			
Dewatering Press Funding #2			
Dewatering Press Funding #3			
Dewatering Press Funding #4			
Dewatering Press Funding #5			
Dewatering Press Sewer Fund Subsidy	100,000	Additional Fencing	
Total Sludge Dewatering Press	100,000		
Crestview Water Pressure		1,200,000	
ARC-#	200,000		
Crestview Water Pressure Funding #2			
Crestview Water Pressure Funding #3			
Crestview Water Pressure Funding #4			
Possible Crestview Pressure Loan	792,979		
Crestview Water Pressure Water Fund Subsidy	225,652		
Total Crestview Water Pressure	1,218,631		
Chase Six Intersection		850,000	
Board of County Commissioners	520,000	Reimbursement Based	
FY24 State Grant (Non-Matching)	500,000	Reimbursement Based	
Chase Six Funding #3			
Chase Six Funding #4			
Chase Six Funding #5			
Chase Six General Fund Subsidy	200,000	Purchase McIlwe Home	
Total Chase Six Intersection	1,220,000		

Lead Pipe Inventory	72,654	
Lead Pipe Inventory Water Fund Subsidy	25,000	
Total Lead Pipe Inventory	25,000	
Shafer Park Well	256,179	
ARC-16 (50% Match)	100,000	Reimbursement Based
Keedysville Contribution	40,989	16% of Project Cost
Shafer Park Well Funding #3	73,990	
Shafer Park Well Funding #4	12,708	
Shafer Park Well Funding #5	-62,497	
Shafer Park Well General Fund Subsidy	-50,000	
Total Shafer Park Well	115,190	
Security System Upgrade (Not Yet Fully Funded)	100,000	
Security System Upgrade Funding #1		
Security System Updrage Funding #2		
Security System Upgrade Funding #3		
Security System Updrage Funding #4		
Security System Updrage Funding #5		
Security System Upgrade General Fund Subsidy		
Total Security System Upgrade	0	
(Estimated Cost) Alt.40 Gravity Sewer	1,400,000	
Senator Corderman Bond	500,000	
Alt.40 Gravity Sewer Funding #2		
Alt.40 Gravity Sewer Funding #3		
Alt.40 Gravity Sewer Funding #4		
Alt.40 Gravity Sewer Funding #5		
Alt. 40 Gravity Sewer Sewer Fund Subsidy		
Total Alt. 40 Gravity Sewer	500,000	
Dean South Looping	20,000	
Dean South Looping Funding #1		
Dean South Looping Funding #2		
Dean South Looping Funding #3		
Dean South Looping Funding #4		
Dean South Looping Funding #5		
Dean South Looping General Fund Subsidy		
Total Dean South Looping	0	
Total Revenues	14,178,821	
Expenses	2025	
Reservoir Replacement	11,000,000	
Reservoir Expense #1		
Reservoir Expense #2		

Reservoir Expense #3	
Reservoir Expense #4	
Reservoir Expense #5	
Total Reservoir Replacement	0

Sludge Dewatering Press	100,000
Dewatering Press Expense #1	
Dewatering Press Expense #2	
Dewatering Press Expense #3	
Dewatering Press Expense #4	
Dewatering Press Expense #5	
Total Sludge Dewatering Press	0

Crestview Water Pressure	1,200,000
Construction Costs	1,136,896
Crestview Water Pressure Expense #2	
Crestview Water Pressure Expense #3	
Crestview Water Pressure Expense #4	
Crestview Water Pressure Expense #5	
Total Crestview Water Pressure	1,136,896

Dean South/Chase Six Intersection	850,000
Chase Six Expense #1	
Chase Six Expense #2	
Chase Six Expense #3	
Chase Six Expense #4	
Chase Six Expense #5	
Total Dean South/Chase Six Intersection	0

Lead Pipe Inventory	72,654
Lead Pipe Inventory Expense #1	
Total Lead Pipe Inventory	0

Shafer Park Well	256,179
Shafer Park Well Expense #1	
Shafer Park Well Expense #2	
Shafer Park Well Expense #3	
Shafer Park Well Expense #4	
Shafer Park Well Expense #5	
Total Shafer Park Well	0

Security System Upgrade	100,000
Security System Upgrade Expense #1	
Security System Upgrade Expense #2	
Security System Upgrade Expense #3	
Security System Upgrade Expense #4	
Security System Upgrade Expense #5	
Security System Upgrade General Fund Subsidy	

Total Security System Upgrade	0
Alt.40 Gravity Sewer	500,000
Alt.40 Gravity Sewer Expense #1	
Alt.40 Gravity Sewer Expense #2	
Alt.40 Gravity Sewer Expense #3	
Alt.40 Gravity Sewer Expense #4	
Alt.40 Gravity Sewer Expense #5	
Total Security System Upgrade	0
Dean South Looping	20,000
Dean South Looping Expense #1	
Dean South Looping Expense #2	
Dean South Looping Expense #3	
Dean South Looping Expense #4	
Dean South Looping Expense #5	
Dean South Looping General Fund Subsidy	
Total Dean South Looping	0
Total Expenses	1,136,896
Total Revenues	14,178,821
Deficit/Surplus	14,178,821

Reservoir Expense #3	
Reservoir Expense #4	
Reservoir Expense #5	
Total Reservoir Replacement	0

Sludge Dewatering Press	100,000
Dewatering Press Expense #1	
Dewatering Press Expense #2	
Dewatering Press Expense #3	
Dewatering Press Expense #4	
Dewatering Press Expense #5	
Total Sludge Dewatering Press	0

Crestview Water Pressure	1,200,000
Construction Costs	1,136,896
Crestview Water Pressure Expense #2	
Crestview Water Pressure Expense #3	
Crestview Water Pressure Expense #4	
Crestview Water Pressure Expense #5	
Total Crestview Water Pressure	1,136,896

Dean South/Chase Six Intersection	850,000
Chase Six Expense #1	
Chase Six Expense #2	
Chase Six Expense #3	
Chase Six Expense #4	
Chase Six Expense #5	
Total Dean South/Chase Six Intersection	0

Lead Pipe Inventory	72,654
Lead Pipe Inventory Expense #1	
Total Lead Pipe Inventory	0

Shafer Park Well	256,179
Shafer Park Well Expense #1	
Shafer Park Well Expense #2	
Shafer Park Well Expense #3	
Shafer Park Well Expense #4	
Shafer Park Well Expense #5	
Total Shafer Park Well	0

Security System Upgrade	100,000
Security System Upgrade Expense #1	
Security System Upgrade Expense #2	
Security System Upgrade Expense #3	
Security System Upgrade Expense #4	
Security System Upgrade Expense #5	
Security System Upgrade General Fund Subsidy	

Total Security System Upgrade	0
Alt.40 Gravity Sewer	500,000
Alt.40 Gravity Sewer Expense #1	
Alt.40 Gravity Sewer Expense #2	
Alt.40 Gravity Sewer Expense #3	
Alt.40 Gravity Sewer Expense #4	
Alt.40 Gravity Sewer Expense #5	
Total Security System Upgrade	0
Dean South Looping	20,000
Dean South Looping Expense #1	
Dean South Looping Expense #2	
Dean South Looping Expense #3	
Dean South Looping Expense #4	
Dean South Looping Expense #5	
Dean South Looping General Fund Subsidy	
Total Dean South Looping	0
Total Expenses	1,136,896
Total Revenues	14,178,821
Deficit/Surplus	14,178,821

Boonsboro Water Fund Capital Expense - FY24 and FY25

FY 24	Capital Outlay - Cash							
	Description	Approved Budget	Projected in Aug 2023		Audited Financial Statement			Notes
			Total	Shared	Total	Shared- Cash	Shared - Financed	
	Reservoir replacement	6,100,000	6,100,000	0				Shared=net of ARC \$100K grant ** Keedysville cost share not determined. Cost will be shared based on percent of water accounts.
	Shafer Park well replacement	250,000	250,000	150,000				
	Advanced metering system (650K total):							
	Infrastructure	630,000	630,000	**				
	Billing software	20,000	20,000	20,000				
	Alt 40 waterline looping	200,000	200,000	0				
	Utility billing software	57,000	0	0				
TOTAL	\$7,257,000	\$7,200,000	\$170,000	\$0	\$0	\$0		
Capital Debt Service - Shared								
Description	Approved Water Budget	Projected in Aug 2021		Actual		Notes		
		Total	Shared	Total	Shared			
None	0	0	0	0	0			

FY 25	Capital Outlay - Cash				
	Description	Approved Water Budget	Projected in Sept 2024		Shared=net of ARC \$100K grant Keedysville's amount of \$7,770 will be paid directly to EADS
			Total	Shared	
	Reservoir replacement	11,000,000	11,000,000	0	
	Crestview water pressure	1,200,000	1,200,000	0	
	Shafer Park well replacement	256,179	156,179	156,179	
	Lead Pipe Inventory	72,654	15,730	0	
	Security System Upgrade	100,000	0	0	
	Dean South Looping	20,000	0	0	
	TOTAL	\$12,648,833	\$12,371,909	\$156,179	
Capital Debt Service - Shared					
Description	Approved Water Budget	Projected in Aug 2023			
		Total	Shared		
None	0	0	0		

**Boonsboro/Keedysville Regional Water System
FY23/24 Quarterly Usage Report**

	Fin - Utility	Production	Raw Water Metered			Monthly Usage Received Per Town				Qtrly Gallons Billed to Customers			
Month	Keedysville	Well #8	Warrenfeltz	& Park Well	Total	Boonsboro	%	Keedysville	%	Boonsboro	Lost	Keedysville	Lost
Jul 23	5,538,067	2,245,000	701,000	4,569,000	13,053,067	11,045,540	0.846	2,007,527	0.154				
Aug 23	5,704,633	2,567,000	351,000	4,548,000	13,170,633	11,341,250	0.861	1,829,383	0.139				
Sep 23	5,597,770	2,461,000	1,232,000	4,242,000	13,532,770	11,729,120	0.867	1,803,650	0.133				
1st Qtr	16,840,470	7,273,000	2,284,000	13,359,000	39,756,470	34,115,910	0.858	5,640,560	0.142	20,909,150	38.7%	4,960,865	12.1%
								FALSE			-13,206,760		-679,695
Oct 23	5,872,000	2,486,000	1,821,000	4,354,000	14,533,000	12,608,367	0.868	1,924,633	0.132				
Nov 23	6,021,000	1,674,000	1,887,000	4,508,000	14,090,000	12,280,775	0.872	1,809,225	0.128				
Dec 23	6,355,000	2,433,000	1,236,000	4,629,000	14,653,000	12,616,126	0.861	2,036,874	0.139				
2nd Qtr	18,248,000	6,593,000	4,944,000	13,491,000	43,276,000	37,505,268	0.867	5,770,732	0.133	20,435,245	45.5%	4,528,370	21.5%
								43,276,000			-17,070,023		-1,242,362
Jan 24	6,335,000	2,590,000	935,000	4,703,000	14,563,000	12,464,345	0.856	2,098,655	0.144				
Feb 24	5,881,000	2,247,000	000000	5,172,000	13,300,000	11,438,905	0.860	1,861,095	0.140				
Mar 24	6,072,000	2,585,000	400,000	5,102,000	14,159,000	12,284,125	0.868	1,874,875	0.132				
3rd Qtr	18,288,000	7,422,000	1,335,000	14,977,000	42,022,000	36,187,375	0.861	5,834,625	0.139	19,085,306	47.3%	4,487,605	23.1%
								42,022,000			-17,102,069		-1,347,020
Apr 24	5,084,000	2,498,000	555,000	5,203,000	13,340,000	11,488,362	0.861	1,851,638	0.139				
May 24	5,869,000	2,577,000	2,390,000	3,750,000	14,586,000	12,513,317	0.858	2,072,683	0.142				
Jun 24	6,019,000	2,091,000	1,284,000	5,363,000	14,757,000	12,734,090	0.863	2,022,910	0.137				
4th Qtr	16,972,000	7,166,000	4,229,000	14,316,000	42,683,000	36,735,769	0.861	5,947,231	0.139	20,169,469	45.1%	4,532,087	23.8%
					0						-16,566,300		-1,415,144
Total 23/24	70,348,470	28,454,000	12,792,000	56,143,000	#####	144,544,322	0.862	23,193,148	0.138	80,599,170	44.2%	18,508,927	20.2%

Total 23/24	-63,945,152		-4,684,221
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Accounted Non Rev/Loss	1,878,488	
Un-accounted Non Rev/Loss	-62,066,664	-4,684,221

National Night	
8/1/2023 Out Mist	25000.00
8/9/2023 Ace Flushing	40000.00
Boonsboro Mountain Rd	
8/10/2023 leak	10000.00
8267 Barn	
8/14/2023 Fire	100000.00
Lanafield	
10/16/2023 Circle Leak	405000.00
10/18/2023 tower testing	20000.00

	NON REVENUE WATER					WATER LOSS			
	MILL POINT	VALLEY VIEW	MT LAUREL	FIRE	Misc	LEAKS	Hydrants	Tower Overflow/Testing	Total
1ST	10,226			100,000	25000	10,000	40,000		185,226
2ND	14,386			500,000		405,000		21,000	940,386
3RD	0					500,000		120,000	620,000
4TH	876				2000	100,000	30,000		132,876

Cost of Daily Operations Labor at Keedysville Tank and Booster Station FY25 Projections

By agreement between the Towns Keedysville is charged for 1/2 hour per day of water operator time for routine inspection and daily operations of the water tank and booster station in Keedysville.

Regular Time		Shumaker	Hill	Morton	Olthof	
Hourly rate		\$42.44	\$29.05	\$21.06	\$19.10	
Salary for fiscal year		\$88,275	\$60,424	\$43,805	\$39,728	
FICA + Medicare @7.65%	0.0765	6,753	4,622	3,351	3,039	
Health Ins (Annual)		10,160	23,894	23,894	10,160	
Life Ins (Annual)		104	104	104	104	
Short term disability (Annual)		359	245	178	162	
Unemployment @.021 x \$8500		179	179	179	179	
Workers Compensation	0.03	2,648	1,813	1,314	1,192	
Pension	0.07	6,179	4,230	3,066	2,781	
Total wage and benefit		\$114,657	\$95,510	\$75,891	\$57,344	\$343,403
Regular work hours/week		40	40	40	40	
Weeks employed		52	52	52	52	
Annual hours paid		2,080	2,080	2,080	2,080	
Less:						
Personal leave		240	160	120	120	
Total on job hours		1,840	1,920	1,960	1,960	7,680
Billing hourly rate		\$62.31	\$49.74	\$38.72	\$29.26	
Average rate for all 4						\$44.71

Overtime Rate Saturday x1.5		\$63.66	\$43.58	\$31.59	\$28.65	
FICA + Medicare @7.65%	0.0765	4.87	3.33	2.42	2.19	
Pension 7% of all wages	0.07	4.46	3.05	2.21	2.01	
Total direct cost per hour		\$72.99	\$49.96	\$36.22	\$32.85	
Average of 4 employees						\$48.00

Overtime Rate Sunday x2.0		\$84.88	\$58.10	\$42.12	\$38.20	
FICA + Medicare @7.65%	0.0765	6.49	4.44	3.22	2.92	
Pension 7% of all wages	0.07	5.94	4.07	2.95	2.67	
Total direct cost per hour		\$97.31	\$66.61	\$48.29	\$43.80	
Average of 4 employees						\$64.00

Day of the week	Days in Yr			Total
Monday - Friday	261	\$0.50	\$44.71	\$5,835.17
Saturday	52	\$0.50	\$48.00	\$1,248.07
Sunday	52	\$0.50	\$64.00	\$1,664.09
TOTAL	365			\$8,747.32

Prepared: Bryan Wachtel, 09/24/24

**Boonsboro Billing and Customer Accounting for Keedysville Accounts
FY25 Projected**

Contracted Services and Supplies		
Contracted Billing Service:		
HBP printing and mailing costs	\$4,630	
Other	0	
Total contracted services and supplies		\$4,630

Administrative Asst/Water & Sewer

		Rate	Amount
Annual wages	2,080	24.90	\$51,792
FICA		0.0765	3,962
Health Insurance			18,165
Life Insurance			86
Short Term Disability			180
Unemployment (first \$8,500)	\$8,500	0.021	179
Workers Compensation		0.01	518
Pension		0.07	3,625
Total wage and benefits			\$78,507
Work hours	40	52	2080
LESS: Personal Leave			-120
Total on job hours			1,960
Billing rate per hour			\$40.05
% time Administrative Asst on water and sewer			85.0%
	Total	Water Only	
B water accounts	1,450	1,450	
B sewer accounts	1,372		
K water accounts	409	409	
Total accounts	3,231	1,859	
% K+B water accounts of total accounts			57.5%
% K accounts of total water accounts			22.0%
Annual hours for Keedysville			223.8
			\$8,964

Total Billing and Customer Accounting	\$13,594
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Prepared: Yvette May, 09/25/24

Keedysville Annual Usage and Costs Recap FY11 - FY25

	Total Gallons Pumped to K	% System Total Pumped to K	K Total Annual Cost	\$/1,000 Gal Pumped to K	Gallons Metered to K Customers	\$/1,000 Gal. Metered to K Customers	Total Shared Capital B + K combined	Billing Fees (incl.)
FY11	31,025,000	18.6%	\$39,264	\$1.27	20,933,330	\$1.88	\$0	\$2,564
FY12	26,296,000	15.8%	\$40,908	\$1.56	19,519,970	\$2.10	\$20,257	\$2,616
FY13	23,012,000	14.5%	\$38,102	\$1.66	19,687,738	\$1.94	\$13,553	\$2,808
FY14	23,473,000	14.8%	\$47,993	\$2.04	18,819,588	\$2.55	\$71,327	\$2,628
FY15	23,379,000	14.1%	\$46,440	\$1.99	19,227,111	\$2.42	\$14,737	\$2,886
FY16	22,847,500	14.5%	\$63,203	\$2.77	18,678,173	\$3.38	\$50,867	\$5,653
FY17	23,409,500	14.2%	\$66,205	\$2.83	19,013,756	\$3.48	\$109,335	\$5,465
FY18	22,496,900	14.4%	\$52,300	\$2.32	19,189,694	\$2.73	\$16,160	\$4,836
FY19	23,564,867	16.1%	\$59,714	\$2.53	19,476,957	\$3.07	\$14,031	\$5,132
FY20	23,206,313	16.4%	\$56,545	\$2.44	19,370,629	\$2.92	\$13,600	\$7,016
FY21	22,175,833	15.8%	\$60,530	\$2.73	19,106,451	\$3.17	\$13,602	\$9,794
FY22	22,373,202	16.2%	\$77,639	\$3.47	19,114,256	\$4.06	\$46,359	\$12,144
FY23	20,322,981	14.7%	\$86,368	\$4.25	18,390,902	\$4.70	\$95,674	\$14,133
FY24	23,193,148	13.8%	\$110,578	\$4.77	18,508,927	\$5.97	170,000 (projected)	13,693 (projected)
FY25 (projected)	21,500,000	14.5%	\$120,737	\$5.62	18,400,000	\$6.56	156,179	\$13,594

Prepared: Lisa Riner, 09/27/24

Boonsboro/Keedysville Regional Water System
FY24/25 Quarterly Usage Report

Month	Raw - Utility	Production	Raw Water Metered		Total	Monthly Usage Received Per Town				ons Billed to Customers			
	Keedysville WTP	Well #8	Warrenfeltz	& Park Well		Boonsboro	%	Keedysville	%	Boonsboro	Lost	Keedysville	Lost
Jul 24	5,993,000	2,569,000	665,000	5,486,000	14,713,000	12,659,990	0.860	2,053,010	0.140				
Aug 24	6,071,695	2,567,000	1,072,000	5,326,000	15,036,695	13,215,190	0.879	1,821,505	0.121				
Sep 24	5,898,397	2,484,000	526,000	4,868,000	13,776,397	11,983,820	0.870	1,792,577	0.130				
1st Qtr	17,963,092	7,620,000	2,263,000	15,680,000	43,526,092	37,859,000	0.870	5,667,092	0.130	21,988,254	41.9%	5,063,373	10.7%
								FALSE			-15,870,746		-603,719
Oct 24	5,990,858	2,567,000	830,000	5,189,000	14,576,858	12,746,965	0.874	1,829,893	0.126				
Nov 24	5,900,322	2,499,000	352,000	5,016,000	13,767,322	11,958,600	0.869	1,808,722	0.131				
Dec 24					0	#VALUE!	#VALUE!		#VALUE!				
2nd Qtr	11,891,180	5,066,000	1,182,000	10,205,000	28,344,180	#VALUE!	#VALUE!	3,638,615	0.128		#VALUE!		#VALUE!
								#VALUE!			#VALUE!		#VALUE!
Jan 25					0	#VALUE!	#VALUE!		#VALUE!				
Feb 25					0	#VALUE!	#VALUE!		#VALUE!				
Mar 25					0	#VALUE!	#VALUE!		#VALUE!				
3rd Qtr	0	0	0	0	0	#VALUE!	#VALUE!	0	#DIV/0!		#VALUE!		#VALUE!
								#VALUE!			#VALUE!		#VALUE!
Apr 25					0	#VALUE!	#VALUE!		#VALUE!				
May 25					0	#VALUE!	#VALUE!		#VALUE!				
Jun 25					0	#VALUE!	#VALUE!		#VALUE!				
4th Qtr	0	0	0	0	0	#VALUE!	#VALUE!	0	#DIV/0!		#VALUE!		#VALUE!
					0						#VALUE!		#VALUE!
Total 24/25	29,854,272	12,686,000	3,445,000	25,885,000	71,870,272	#VALUE!	#VALUE!	9,305,707	0.129	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Total Loss 23/24											#VALUE!		#VALUE!
Accounted Non Rev/Loss											1,073,228		
Un-accounted Non Rev/Loss											#VALUE!		#VALUE!

NOTES

7/30 - 6000 of mill point total was scenic view
1000 was between mill point/40 intersection
1000 was hydrant before yellowhouse/trailer park
7/31/2024 1000 gal. from Scenic View added to Mill Point
8/1/2024 Easterday flushing 13,500
8/6/2024 NNO 5,000
8/7/2024 Easterday flushing 22,000
8/15/2024 hydrant flushing 92,000
8/18/2024 320 Lanafield Cir/fire 100
11/16/2024 Boonsboro Mtn Fire 10,000

QTR 1 Flushers

Mill Point	Mt. Laurel	Valley
838335	71406	20887

	NON REVENUE WATER					WATER LOSS				Revenue (Hydrant Meter
	MILL POINT	VALLEY VIEW	MT LAUREL	FIRE	Misc	LEAKS	Hydrants	Tower Overflow/Testing	Total	
1ST	838,335	71406	20,887	100	40,500		92,000		1,063,228	
2ND				10,000					10,000	
3RD	0								0	
4TH									0	
TOTAL	838,335	71,406	20,887	10,100	40,500	0	92,000	0	1,073,228	0

2024 Boonsboro/Keedysville Booster Station

	6"	1.5"	3"	Keedysville	Keedysville	Keedysville	Normal 19" 6"	Max. 32"	
Date	Gallons B to K	Gallons B to K	Gallons K to B	Raw	Daily Usage	10 Day Avg	Reservoir Depth	K Tank	Notations
12/23			100420	194150	93,730	64,107	42	26.93	
12/24			99030	207875	108,845	64,803	55	30.61	
12/25			172350	221300	48,950	67,961	59	28.00	
12/26			200700	204770	4,070	63,581	53	23.25	
12/27			69280	198500	129,220	65,663	59	27.87	
12/28			127290	207220	79,930	65,346	64	29.91	
12/29			224310	203325	-20,985	64,529	30	22.74	
12/30			82400	204100	121,700	64,447	49	27.28	
12/31			107900	205680	97,780	66,189	55	30.37	
December Totals	0	0	4,317,640	6,354,514					2,036,874
1/1/24			151,600	208,440	56,840	72,008	60	29.65	
1/2			192,480	218,300	25,820	65,217	48	25.29	
1/3			146,320	208,400	62,080	60,541	29	24.35	
1/4			78,800	204,500	125,700	68,216	45	29.57	
1/5			175,850	207,600	31,750	70,984	39	27.67	
1/6			180,150	193,450	13,300	59,392	29	24.22	
1/7			85,100	209,120	124,020	63,801	36	28.97	
1/8			135,760	217,760	82,000	74,099	48	30.00	
1/9			222,020	203,940	-18,080	60,121	40	23.19	
1/10			125,920	220,820	94,900	59,833	42	24.94	
1/11			84,130	201,240	117,110	65,860	48	30.33	
1/12			187,630	202,060	14,430	64,721	44	26.29	
1/13			162,100	206,715	44,615	62,975	40	24.67	
1/14			51,400	175,150	123,750	62,780	51	30.80	
1/15			173,110	224,600	51,490	64,754	50	27.76	
1/16			183,630	206,700	23,070	65,731	40	23.93	
1/17			69,800	188,800	119,000	65,229	53	26.96	
1/18			112,780	205,200	92,420	66,271	60	29.95	
1/19			216,990	200,800	-16,190	66,460	46	23.47	
1/20			80,630	193,300	112,670	68,237	47	26.45	
1/21			93,810	195,600	101,790	66,705	63	30.34	
1/22			151,140	200,920	49,780	70,240	60	27.89	
1/23			193,150	203,240	10,090	66,787	52	22.77	
1/24			16,410	211,150	194,740	73,886	66	32.50	Tower transducer gauge bad
1/25			222,010	202,300	-19,710	66,766	51	24.24	Tower transducer gauge bad
1/26			0	184,440	184,440	82,903	71	32.50	Tower transducer gauge bad
1/27			183,580	197,490	13,910	72,394	40	25.40	
1/28			152,000	199,020	47,020	67,854	36	24.20	
1/29			150,200	231,000	80,800	77,553	37	24.2	
1/30			119,600	205,100	85,500	74,836	36	22.76	
1/31			138,200	207,800	69,600	71,617	36	25.27	
Jan Totals	0	0	4,236,300	6,334,955				26.15	2,098,655
2/1			133,800	206,300	72,500	73,889	35	26.55	
2/2			136,500	202,300	65,800	79,460	33	26.84	
2/3			121,500	185,500	64,000	66,386	26	29.07	
2/4			150,900	214,670	63,770	74,734	39	27.74	
2/5			144,700	214,160	69,460	63,236	51	26.81	
2/6			124,600	191,780	67,180	68,563	50	27.89	
2/7			140,300	212,980	72,680	71,129	51	27.91	
2/8			129,800	190,550	60,750	69,124	50	28.91	
2/9			142,930	204,450	61,520	66,726	46	29.67	
2/10			148,170	204,800	56,630	65,429	41	29.31	
2/11			151,700	206,800	55,100	70,939	38	26.88	
2/12			133,800	200,100	66,300	70,319	40	26.83	
2/13			153,800	206,840	53,040	69,043	37	27.03	
2/14			143,400	205,900	62,500	68,893	34	26.52	
2/15			161,100	199,300	38,200	66,336	33	26.05	
2/16			114,900	196,700	81,800	67,570	30	27.48	
2/17			122,900	185,300	62,400	67,092	26	29.49	
2/18			143,020	204,450	61,430	65,967	24	29.24	
2/19			130,580	204,650	74,070	67,299	27	29.3	
2/20			153,000	212,040	59,040	67,051	28	26.99	
2/21			129,400	197,840	68,440	68,232	30	27.22	
2/22			121,900	188,300	66,400	69,362	26	29.73	
2/23			166,700	229,600	62,900	69,022	28	27.48	
2/24			123,600	186,995	63,395	70,058	30	29.83	
2/25			135,800	203,290	67,490	70,557	22	29.59	
2/26			156,900	226,900	70,000	73,737	29	26.51	
2/27			131,500	197,000	65,500	72,107	34	27.87	
2/28			134,000	204,200	70,200	72,887	40	28.49	
2/29			139,000	197,600	58,600	72,604	30	28.26	
Feb Totals	0	0	4,020,200	5,881,295					1,861,095
3/1			141,000	212,200	71,200	72,317	33	29.35	
3/2			136,200	185,830	49,630	71,376	33	29.54	
3/3			134,100	199,600	65,500	71,082	27	30.03	
3/4			139,900	212,460	72,560	71,698	33	28.24	
3/5			137,100	206,100	69,000	72,308	35	28.73	
3/6			131,400	196,600	65,200	72,488	34	29.45	
3/7			149,850	214,700	64,850	72,224	33	30.2	
3/8			114,550	164,390	49,840	70,208	38	28.54	
3/9			128,500	195,700	67,200	70,378	36	29.21	
3/10			122,100	180,900	58,800	63,378	36	29.38	
3/11			125,000	199,600	74,600	63,718	40	28.44	
3/12			136,200	199,000	62,800	65,035	42	28.57	
3/13			127,100	195,300	68,200	65,305	42	29.42	
3/14			131,540	181,200	49,660	63,015	50	30.21	
3/15			153,030	194,030	41,000	60,215	40	28.45	
3/16			132,010	187,435	55,425	59,238	48	28.33	
3/17			143,500	193,000	49,500	57,703	38	26.9	
3/18			127,900	199,640	71,740	59,893	42	26.75	
3/19			156,035	186,990	30,955	56,268	41	23.8	
3/20			142,885	196,520	53,635	55,752	39	23.6	
3/21			153,760	196,415	42,655	52,557	35	23	
3/22			117,640	197,640	80,000	54,277	41	24.9	
3/23			115,200	194,450	79,250	55,382	32	27.51	
3/24			123,000	196,800	73,800	57,796	35	28.48	
3/25			125,670	206,635	80,965	61,793	47	28.51	
3/26			135,560	201,720	66,160	62,866	58	29.63	
3/27			152,130	185,530	33,400	61,256	43	27.98	

Adjusted # due to bad Raw Meter

3/28			145,375	199,690	54,315	59,514	41	27.66	
3/29			176,555	200,940	24,385	58,857	41	24.27	
3/30			118,710	182,380	63,670	59,860	34	24.48	
3/31			124,100	209,080	84,980	64,093	42	26.03	
Mar Totals	0	0	4,197,600	6,072,475					1,874,875
4/1			154,170	219,130	64,960	62,589	40	27	
4/2			90,030	208,990	118,960	66,560	41	27.65	
4/3			122,470	161,700	39,230	63,103	46	29.58	
4/4			151,371	198,160	46,789	59,685	40	29.61	
4/5			173,909	204,800	30,891	56,158	40	26.63	
4/6			162,450	198,000	35,550	56,373	36	24.58	
4/7			122,520	200,000	77,480	58,690	34	24.67	
4/8			110,780	203,700	92,920	65,543	42	27.11	
4/9			106,430	182,670	76,240	66,800	48	29.77	
4/10			156,120	202,540	46,420	62,944	44	28.68	
4/11			100	11,550	11,450	57,593	60	24.71	
4/12			161,770	207,400	45,630	50,260	53	23.57	
4/13			98,490	181,588	83,098	54,647	50	26.55	
4/14			0	0	0	49,968	51	21.21	
4/15			21,910	0	-21,910	44,688	40	0	
4/16			0	0	0	41,133	50	18.52	
4/17			0	174,000	174,000	50,785	54	32.02	
4/18			169,760	203,450	33,690	44,862	49	31.8	
4/19			145,380	176,200	30,820	40,320	44	25.99	
4/20			109,530	175,600	66,070	42,285	42	23.9	
4/21			118,580	198,000	79,420	49,082	43	25.92	
4/22			120,230	202,470	82,240	52,743	52	26.32	
4/23			126,180	201,400	75,220	51,955	59	28.54	
4/24			157,960	189,100	31,140	55,069	60	30.37	
4/25			149,180	187,200	38,020	61,062	59	27.26	
4/26			159,980	207,900	47,920	65,854	61	26.84	
4/27			106,700	173,290	66,590	55,113	46	23.19	
4/28			64,100	203,200	139,100	65,654	42	25.82	
4/29			64,530	215,300	150,770	77,649	52	26.71	
4/30			107,720	196,650	88,930	79,935	55	29.62	
Apr Totals	0	0	3,232,350	5,083,988					1,851,638
5/1			149,670	203,760	54,090	77,402	53	30.15	
5/2			167,330	201,220	33,890	72,567	52	27.49	
5/3			147,690	199,280	51,590	70,204	54	25.54	
5/4			176,260	198,600	22,340	69,324	50	22.87	
5/5			125,700	210,800	85,100	74,032	53	23.51	
5/6			113,700	194,700	81,000	77,340	59	25.55	
5/7			103,200	192,500	89,300	79,611	69	28.84	
5/8			139,280	207,500	68,220	72,523	65	28.23	
5/9			136,720	193,200	56,480	63,094	72	29.54	
5/10			143,110	198,560	55,450	59,746	69	29.92	
5/11			181,950	176,300	-5,650	53,772	54	24.72	
5/12			149,630	199,375	49,745	55,358	50	23.16	
5/13			103,960	207,800	103,840	60,583	60	25.39	
5/14			110,700	193,800	83,100	66,659	58	27.68	
5/15			121,910	195,100	73,190	65,468	56	29.78	
5/16			166,055	194,100	28,045	60,172	49	27.67	
5/17			151,310	201,560	50,250	56,267	46	26.37	
5/18			168,835	185,750	16,915	51,137	36	23.21	
5/19			99,590	201,300	101,710	55,660	36	26.16	
5/20			115,050	214,500	99,450	60,060	47	26.55	
5/21			104,390	185,300	80,910	68,716	51	29.56	
5/22			135,110	206,600	71,490	70,890	52	29.29	
5/23			157,470	199,900	42,430	64,749	50	26.87	
5/24			150,950	196,000	45,050	60,944	50	25.42	
5/25			115,180	178,950	63,770	60,002	46	25.24	
5/26			100,300	204,460	104,160	67,614	49	27.78	
5/27			97,855	121,584	23,729	64,961	59	23.09	
5/28			0	6,174	6,174	63,887	72	17.56	
5/29			0	210,500	210,500	74,766	75	26.93	
5/30			0	183,150	183,150	83,136	72	32.19	
5/31			163,835	207,100	43,265	79,372	53	28.2	
May Totals	0	0	3,796,740	5,869,423					2,072,683
6/1			198,430	203,900	5,470	72,770	46	23.81	
6/2			119,780	195,300	75,520	76,079	49	24.11	
6/3			108,600	208,700	100,100	81,584	58	25.22	
6/4			114,200	201,600	87,400	83,947	58	27.52	
6/5			122,800	199,200	76,400	81,171	60	29.78	
6/6			173,660	197,900	24,240	81,222	48	27.32	
6/7			174,450	186,750	12,300	81,835	23	23.41	
6/8			117,010	196,700	79,690	68,754	26	24.53	
6/9			88,070	195,950	107,880	61,227	34	27.65	
6/10			124,810	222,400	97,590	66,659	43	28.15	
6/11			142,000	209,300	67,300	72,842	42	28.41	
6/12			122,485	187,480	64,995	71,790	44	29.86	
6/13			151,045	211,840	60,795	67,859	47	28.43	
6/14			143,485	178,400	34,915	62,611	54	26.86	
6/15			179,585	198,500	18,915	56,862	41	22.86	
6/16			85,150	197,470	112,320	65,670	44	26.56	
6/17			119,750	208,550	88,800	73,320	56	27.29	
6/18			137,700	217,800	80,100	73,361	62	27.81	
6/19			114,210	174,700	60,490	68,622	45	29.09	
6/20			151,660	215,400	63,740	65,237	35	27.67	
6/21			142,150	198,900	56,750	64,182	25	26.13	
6/22			150,080	194,320	44,240	62,107	31	23.26	
6/23			83,900	203,240	119,340	67,961	48	26.29	
6/24			118,100	209,200	91,100	73,580	47	26.34	
6/25			102,750	199,300	96,550	81,343	53	29.29	
6/26			138,440	201,580	63,140	76,425	48	30.41	
6/27			153,405	193,640	40,235	71,569	35	28.02	
6/28			186,615	206,600	19,985	65,557	15	24.00	
6/29			135,290	207,600	72,310	66,739	17	23.74	
6/30			96,600	196,900	100,300	70,395	17	26.55	
June Totals	0	0	3,996,210	6,019,120					2,022,910
7/1			143,300	220,500	77,200	72,440	25	26.47	
7/2			128,800	202,800	74,000	75,416	25	27.86	
7/3			133,000	208,500	75,500	71,032	27	29.01	
7/4			155,020	182,760	27,740	64,696	24	26.85	
7/5			154,520	208,400	53,880	60,429	25	25.16	

7/6			101,960	181,800	79,840	62,099	24	26.09	
7/7			101,000	203,100	102,100	68,286	31	28.69	
7/8			129,720	213,650	83,930	74,680	50	28.05	
7/9			125,430	195,060	69,630	74,412	44	29.17	
7/10			120,380	208,720	88,340	73,216	47	29.66	
7/11			148,840	193,600	44,760	69,972	48	29.23	
7/12			134,790	192,240	57,450	68,317	48	29.17	
7/13			167,055	180,630	13,575	62,125	44	25.46	
7/14			152,910	205,010	52,100	64,561	41	23.16	
7/15			104,975	218,300	113,325	70,505	58	24.89	
7/16			101,400	188,800	87,400	71,261	61	27.07	
7/17			125,500	197,200	71,700	68,221	47	27.96	
7/18			114,810	172,996	58,186	65,647	39	28.91	
7/19			71,590	113,497	41,907	62,874	34	26.02	
7/20			105,670	177,050	71,380	61,178	23	28.6	
7/21			113,560	179,135	65,575	63,260	33	29.73	
7/22			136,000	212,500	76,500	65,165	39	28.53	
7/23			127,390	182,182	54,792	69,287	37	30.06	
7/24			136,440	192,600	56,160	69,693	37	30.11	
7/25			160,890	186,150	25,260	60,886	36	27	
7/26			153,370	200,030	46,660	56,812	32	24.74	
7/27			93,680	187,600	93,920	59,034	40	26.02	
7/28			118,600	199,700	81,100	61,325	46	26.71	
7/29			107,300	199,000	91,700	66,305	57	27.96	
7/30			120,100	200,200	80,100	67,177	59	29.67	
7/31			151,800	189,100	37,300	64,349	48	27.48	
July Totals	0	0	3,939,800	5,992,810					2,053,010
8/1			132,100	208,200	76,100	64,309	41	28.31	
8/2			136,700	192,200	55,500	64,380	27	29.72	
8/3			144,840	189,930	45,090	63,273	29	27.91	
8/4			163,920	201,720	37,800	64,527	28	25.38	
8/5			155,715	201,450	45,735	64,435	26	23.75	
8/6			126,125	211,740	85,615	63,604	35	24.65	
8/7			107,850	191,900	84,050	63,899	42	27.13	
8/8			124,860	195,100	70,240	61,753	45	28.91	
8/9			136,240	198,600	62,360	59,979	42	30.04	
8/10			141,065	183,740	42,675	60,517	42	29.41	
8/11			139,480	204,330	64,850	59,392	46	29.53	
8/12			128,925	190,150	61,225	59,964	46	30.01	
8/13			149,750	203,400	53,650	60,820	46	29.07	
8/14			141,295	195,100	53,805	62,421	53	28.43	
8/15			172,705	190,000	17,295	59,577	52	24.9	
8/16			158,855	193,310	34,455	54,461	40	23.07	
8/17			95,865	189,890	94,025	55,458	33	26.13	
8/18			106,840	188,615	81,775	56,612	38	28.74	
8/19			127,070	200,150	73,080	57,684	45	28.65	
8/20			122,900	188,940	66,040	60,020	54	29.67	
8/21			146,300	211,900	65,600	60,095	54	30.16	
8/22			138,525	181,230	42,705	58,243	55	28.57	
8/23			171,260	193,800	22,540	55,132	52	25.45	
8/24			163,555	201,200	37,645	53,516	52	23.32	
8/25			93,260	195,900	102,640	62,051	54	25.28	
8/26			102,000	199,500	97,500	68,355	70	27.29	
8/27			117,100	189,000	71,900	66,143	61	29.31	
8/28			151,140	180,500	29,360	60,901	46	27.85	
8/29			155,560	211,500	55,940	59,187	36	27.16	
8/30			183,020	208,250	25,230	55,106	18	23.92	
8/31			115,370	180,450	65,080	55,054	18	24.4	
Aug Totals	0	0	4,250,190	6,071,695					1,821,505
9/1			120,270	200,859	80,589	58,842	23	27.44	
9/2			145,440	215,700	70,260	63,614	23	27.19	
9/3			105,900	190,500	84,600	68,310	42	29.08	
9/4			163,360	197,630	34,270	61,473	29	28.18	
9/5			151,850	200,000	48,150	56,538	44	26.97	
9/6			183,955	194,000	10,045	50,352	38	23.05	
9/7			104,485	177,150	72,665	54,683	36	25.19	
9/8			133,650	212,000	78,350	56,924	40	26.23	
9/9			132,500	215,400	82,900	62,691	47	26.61	
9/10			110,900	195,600	84,700	64,653	54	29.09	
9/11			142,420	189,000	46,580	61,252	48	30.46	
9/12			176,630	193,100	16,470	55,873	29	0.00	
9/13			153,980	197,600	43,620	51,775	31	24.98	
9/14			137,970	188,580	50,610	53,409	28	24.54	
9/15			100,000	195,340	95,340	58,128	32	27.88	
9/16			122,960	205,620	82,660	65,390	54	28.25	
9/17			139,140	205,400	66,260	64,749	49	29.94	
9/18			151,650	194,600	42,950	61,209	48	28.79	
9/19			185,605	195,000	9,395	53,859	42	24.72	
9/20			165,020	200,000	34,980	48,887	35	22.95	
9/21			98,625	192,600	93,975	53,626	47	26.10	
9/22			119,400	201,000	81,600	60,139	52	27.59	
9/23			128,300	199,200	70,900	62,867	58	28.17	
9/24			137,410	176,443	39,033	61,709	62	27.76	
9/25			166,530	171,900	5,370	52,712	42	23.66	
9/26			124,160	206,100	81,940	52,640	26	24.71	
9/27			115,500	195,100	79,600	53,974	36	26.05	
9/28			118,840	184,825	65,985	56,278	33	29.15	
9/29			140,340	193,130	52,790	60,617	36	29.14	
9/30			129,030	215,020	85,990	65,718	41	30.23	
Sep Totals	0	0	4,105,820	5,898,397					1,792,577
10/1			174,400	199,900	25,500	58,871	39	27.38	
10/2			146,915	203,030	56,115	56,322	47	26.59	
10/3			167,645	181,600	13,955	50,628	35	23.11	
10/4			128,980	210,550	81,570	54,882	40	23.69	
10/5			109,300	190,700	81,400	62,485	42	26.53	
10/6			101,025	186,186	37,161	58,007	47	29.16	
10/7			149,025	221,850	99,050	59,952	57	27.69	
10/8			122,800	192,700	69,900	60,343	58	29.71	
10/9			166,080	195,850	29,770	58,041	59	27.81	
10/10			20	68,018	67,998	56,242	61	26.51	
10/11			117,900	193,300	75,400	61,232	58	27.53	
10/12			124,150	183,260	59,110	61,531	41	29.82	
10/13			141,920	201,500	59,580	66,094	42	29.15	
10/14			128,402	208,200	79,798	65,917	48	29.84	

10/15			172,948	200,000	27,052	60,482	46	26.12	
10/16			167,745	199,200	31,455	59,911	49	24.07	
10/17			137,335	204,555	67,220	56,728	49	25.07	
10/18			110,270	196,180	85,910	58,329	52	26.86	
10/19			110,820	183,759	72,939	62,646	57	29.58	
10/20			144,380	203,850	59,470	61,793	57	28.92	
10/21			134,380	207,150	72,770	61,530	51	28.11	
10/22			130,625	199,990	69,365	62,556	50	30.1	
10/23			146,100	186,430	40,330	60,631	56	28.19	
10/24			176,465	200,000	23,535	55,005	46	24.66	
10/25			155,680	196,600	40,920	56,391	45	22.81	
10/26			111,880	193,200	81,320	61,378	49	24.81	
10/27			111,600	195,800	84,200	63,076	53	26.78	
10/28			108,100	199,200	91,100	63,595	64	28.28	
10/29			133,500	188,400	54,900	61,791	65	29.92	
10/30			141,600	202,400	60,800	61,924	58	29.22	
10/31			167,200	197,500	30,300	57,677	40	26.14	
Oct Totals	0	0	4,139,190	5,990,858					1,829,893
11/1			151,925	195,200	43,275	55,068	30	24.76	
11/2			115,375	177,177	61,802	57,215	30	25.27	
11/3			103,000	193,270	90,270	63,889	35	27.94	
11/4			126,000	213,400	87,400	68,537	40	27.88	
11/5			126,300	196,100	69,800	67,385	41	29.59	
11/6			137,830	184,000	46,170	63,582	42	29.18	
11/7			181,330	204,700	23,370	56,809	40	26.01	
11/8			149,070	196,700	47,630	56,082	41	24.91	
11/9			127,070	182,740	55,670	55,569	40	24.72	
11/10			109,900	200,600	90,700	61,609	43	27.01	
11/11			108,800	194,020	85,220	65,803	50	28.62	
11/12			131,200	207,640	76,440	67,267	67	29.54	
11/13			156,883	200,000	43,117	62,552	46	28.78	
11/14			151,237	190,250	39,013	57,713	35	26.86	
11/15			185,000	211,900	26,900	53,423	45	24.24	
11/16			144,080	194,400	50,320	53,838	29	23.33	
11/17			113,200	201,300	88,100	60,311	36	25.22	
11/18			105,100	201,600	96,500	65,198	42	26.73	
11/19			129,600	191,500	61,900	65,821	40	27.19	
11/20			143,300	203,600	60,300	62,781	46	28.21	
11/21			133,500	185,600	52,100	59,469	42	29.06	
11/22			172,900	198,900	26,000	54,425	38	26.07	
11/23			164,720	182,430	17,710	51,884	30	23.11	
11/24			99,690	205,420	105,730	58,556	33	25.99	
11/25			118,640	209,100	90,460	64,912	37	26.92	
11/26			117,050	198,500	81,450	68,025	42	29.21	
11/27			151,280	189,875	38,595	63,075	37	28.44	
11/28			135,180	195,700	60,520	59,477	35	28.05	
11/29			172,710	207,700	34,990	56,786	34	24.46	
11/30			129,730	187,000	57,270	56,483	24	24.28	
Nov Totals	0	0	4,091,600	5,900,322					1,808,722
12/1					0	56,483			
12/2					0	51,273			
12/3					0	48,673			
12/4					0	46,902			
12/5					0	36,329			
12/6					0	27,283			
12/7					0	19,138			
12/8					0	15,278			
12/9					0	9,226			
12/10					0	5,727			
12/11					0	0			
12/12					0	0			
12/13					0	0			
12/14					0	0			
12/15					0	0			
12/16					0	0			
12/17					0	0			
12/18					0	0			
12/19					0	0			
12/20					0	0			
12/21					0	0			
12/22					0	0			
12/23					0	0			
12/24					0	0			
12/25					0	0			
12/26					0	0			
12/27					0	0			
12/28					0	0			
12/29					0	0			
12/30					0	0			
12/31/2022					0	0			
Dec Totals	0	0	0	0					0
ANNUAL TOTALS			44,006,000	65,115,338					21,087,563

Water Production Capacity and Available EDU's FY24

1	Water Appropriation Permits				Permitted Daily Avg Flow	Production Capacity	Available Capacity	Reliable Capacity
					GPD	GPD	GPD	GPD
	Shafer Park & Well #8	WA1988G006(03)	332,000	10 + 65 GPM	295,200	252,000	252,000	
	Keedysville Spring	WA1979G012(05)	220,000	170 GPM	244,800	200,000	200,000	
	Warrenfeltz Spring	WA1979G013(06)	130,000	120 GPM	172,800	144,000	88000	
			682,000			596,000	540,000	
2	Total water withdrawn							
	FY24				We used 5 year average		145,126,536	
	Number of days						365	
	Average daily withdrawal						397,607	
3	Unused capacity GPD						142,393	
	Unused reliable capacity in EDU's						250 GPD	
							570	
4	If rpermitted capacity is held in reserve:							
						682,000		
					Reserve	10%	68,200	273
	EDU Surplus/(Deficit)						297	
5	Reserve EDU's for Keedysville in new agreement:						60	
							237	
6	EDU commitments to others by Boonsboro:							
	TT&K (360)	water not paid		18 sewer paid			18	
	Easterday (153)	water not paid		8 sewer paid			8	
	Dean 8486 LLC (Fletcher's Grove)	water not paid		18 sewer paid			56	
	Battlefield	water not paid		sewer not paid			48	
		7 additional water to						
	Auction House	pay					7	
	Highs	water not paid		sewer not paid			4	
	St. Paul	water not paid					4	
	EDU commitments by Keedysville:						3	
	TOTAL commitments						148	
	EDU Surplus/(Deficit)						89	

Quarterly Actual Usage			
FY23-24	Boonsboro gallons	Keedysville gallons	Total
Q1	34,115,910.00	5,640,560.00	39,756,470.00
Q2	37,505,268.00	5,770,732.00	43,276,000.00
Q3	36,187,375.00	5,834,625.00	42,022,000.00
Q4	36,735,769.00	5,947,231.00	42,683,000.00
			167,737,470.00

Year Usage	BK Usage
23-24	167,737,470
22-23	137,737,686
21-22	138,461,190
20-21	140,006,035
19-20	141,690,300
	145,126,536

	EDUs	Gallons per day
Permitted	2,728	682,000
Boonsboro		
Water EDUs	1,744	436,000
Keedysville		
Water EDUs	436	109,000

did the post office pay water tap