

The primary mission of the BRWA is to provide customers with the highest quality water and wastewater services at rates that are reasonable and just while protecting public health.



# BOARD OF DIRECTORS

April 19<sup>th</sup>, 2022

**BEDFORD REGIONAL WATER AUTHORITY**

Providing quality service to everyone.



1723 Falling Creek Road, Bedford, VA 24523-3137



540.586.7679



540.586.5805



[www.brwa.com](http://www.brwa.com)



# MEETING NOTES

**To:** BRWA Board of Directors  
**From:** Brian M. Key, PE; Executive Director  
**Date:** April 12, 2022  
**Re:** Notes for the April 19, 2022 Board of Directors Meeting

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The focus of this meeting is primarily centered on the budget and the rate adjustments. Below are a few comments about the corresponding agenda items.

3. As advertised and discussed at the last board meeting, we will be holding a public hearing on the proposed rates. No one has signed up to speak during this public hearing.
- 4.b.i **Resolution 2022-04.01:** If the board agrees with the proposed rates that were discussed during the public hearing, the resolution to approve of the rates is included in the packets for your consideration.
- 4.b.ii **Resolution 2022-04.02:** The Finance Committee has spent a considerable amount of time reviewing the proposed Operating budget; they have stated that they are prepare to recommend the approval of the FY 2022-2023 Operating budget.
- 4.b.iii **Resolution 2022-04.03:** The Finance Committee has also reviewed the details contained in the proposed Capital Improvement Program; they stated that they are prepare to recommend the approval of the FY 2022-2023 Capital Improvement Program budget.
5. No one from the public has signed up to speak during the public comment period.
- 9.b. The DRAFT Capital Improvement Program Plan is included in the board packets. This is a great summary of our existing systems, as well as what is being planned for the next 3 years. If you have any questions or comments on the plan, please be prepared to discuss them at the board meeting.
10. Closed Session to discuss my evaluation. A draft of the requested employment agreement is include in the closed session dropbox folder.
11. Depending on the discussion that takes place in closed session, the board may consider the approval of **Resolution 2022-04.04** for a contract with the Executive Director.

Rusty has stated that he will not be able to attend this board meeting; this is the last month of firefighting training, so he intends to be back in attendance at the May board meeting.

If you have any questions about any of the information contained in your board packets, or if you are not going to be able to attend the meeting, please contact me prior to the board meeting.

# AGENDA

# NOTICE AND AGENDA

**To:** Board of Directors  
**From:** Brian Key – Executive Director  
**Date:** April 12, 2022  
**Re:** Notice of Board Meeting and Agenda

A regular meeting of the Board of Directors of the Bedford Regional Water Authority (“Authority”) will be held on **Tuesday, April 19, 2022 at 7:00 p.m.** in the **Board Meeting Room** of the Authority located in the **Annex** building at **1723 Falling Creek Road in Bedford County**. The public can attend the meeting in person, or they may provide input and/or join the meeting in the following ways:

- Join the Zoom meeting with **audio/video** by electronic device (computer, phone, tablet):  
<https://us02web.zoom.us/j/83780404608?pwd=UHVSM05wdFkzMWZ4RjFvL1JlSExEUT09>
  - Meeting ID: 837 8040 4608
  - Password: MY2nsu
- Join the Zoom meeting with **audio only** by phone:
  - Phone Numbers:
    - 267 831 0333 US (Philadelphia)
    - 301 715 8592 US (Washington DC)
    - 312 626 6799 US (Chicago)
    - 470 250 9358 US (Atlanta)
  - Meeting ID: 837 8040 4608
  - Passcode: 270850
- Click on the link to the online meeting on our Facebook page or website
  - [www.brwa.com](http://www.brwa.com) (the meeting link is on one of the banner posts on the front page)
  - <https://www.facebook.com/bedfordwater>

The following Agenda is proposed for discussion:

1. Call to Order
  - a. Pledge of Allegiance
  - b. Moment of Silence
2. Review of Agenda
3. Public Hearing for Rate Adjustments
  - a. Presentation about Rates
  - b. Public Comments about Rates
4. Financial Report: Presented by Jill Underwood
  - a. Financial Statements through month end March 2022
  - b. Summary of March 23, 2022 Finance Committee Meeting
    - i. Resolution 2022-04.01: Rates
    - ii. Resolution 2022-04.02: Operating Budget
    - iii. Resolution 2022-04.03: Capital Budget

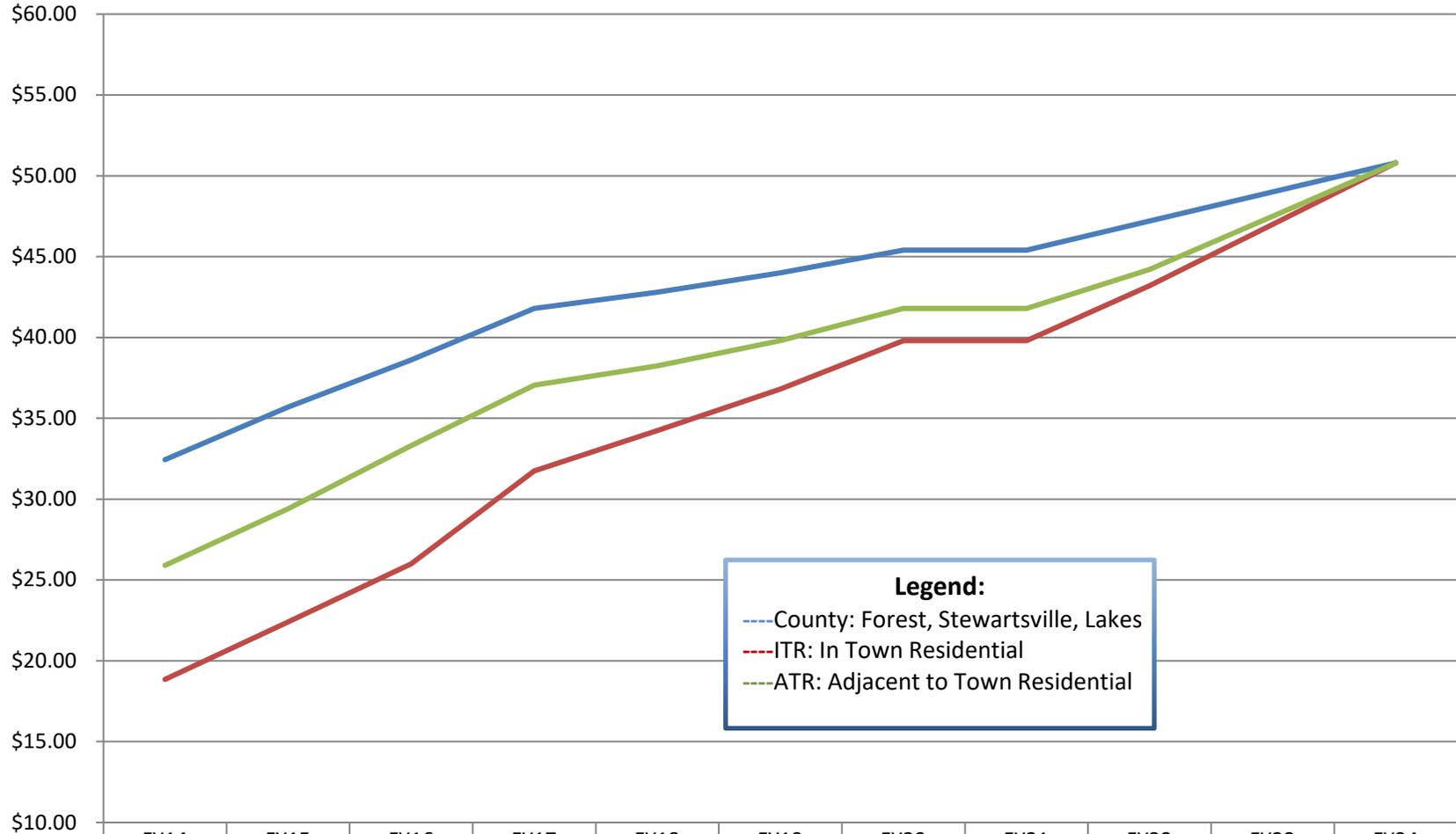
**To:** Board of Directors  
**From:** Brian Key – Executive Director  
**Date:** April 12, 2022  
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5. Public Comments for all issues other than the public hearing
6. Approval of Minutes: March 15, 2022 – Regular Board Meeting
7. Operations Report: Presented by Nathan Carroll
8. Administration Report: Presented by Megan Pittman
9. Engineering Report: Presented by Brian Key
  - a. Projects Summary
  - b. Draft Capital Improvement Plan 2022-2025
10. Closed Session Pursuant to Section 2.2-3711 A. 1 of the Code of Virginia, specifically to review the annual evaluation of the Executive Director
11. Resolution 2022-04.04: Contract with Executive Director
12. Other business not covered on the above agenda
13. Motion to Adjourn

# Monthly WATER Bills for Average Residential Customer

(based on 4,000 gallons per month)



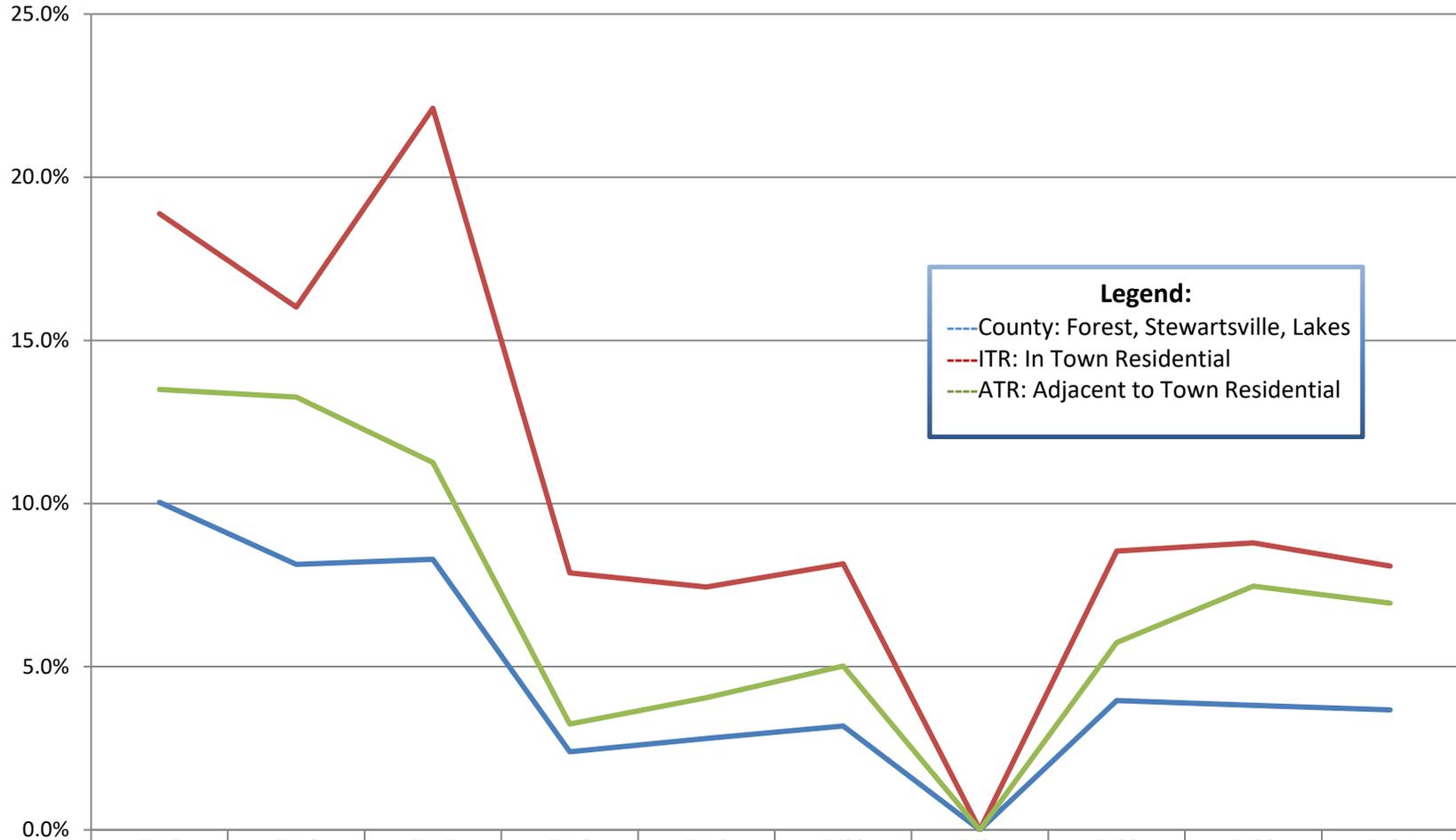
**Legend:**

- County: Forest, Stewartsville, Lakes
- ITR: In Town Residential
- ATR: Adjacent to Town Residential

	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	\$32.44	\$35.70	\$38.60	\$41.80	\$42.80	\$44.00	\$45.40	\$45.40	\$47.20	\$49.00	\$50.80
ITR	\$18.85	\$22.41	\$26.00	\$31.75	\$34.25	\$36.80	\$39.80	\$39.80	\$43.20	\$47.00	\$50.80
ATR	\$25.90	\$29.40	\$33.30	\$37.05	\$38.25	\$39.80	\$41.80	\$41.80	\$44.20	\$47.50	\$50.80

# Monthly WATER Bill Increase (%) for Average Residential Customer

(based on 4,000 gallons per month)



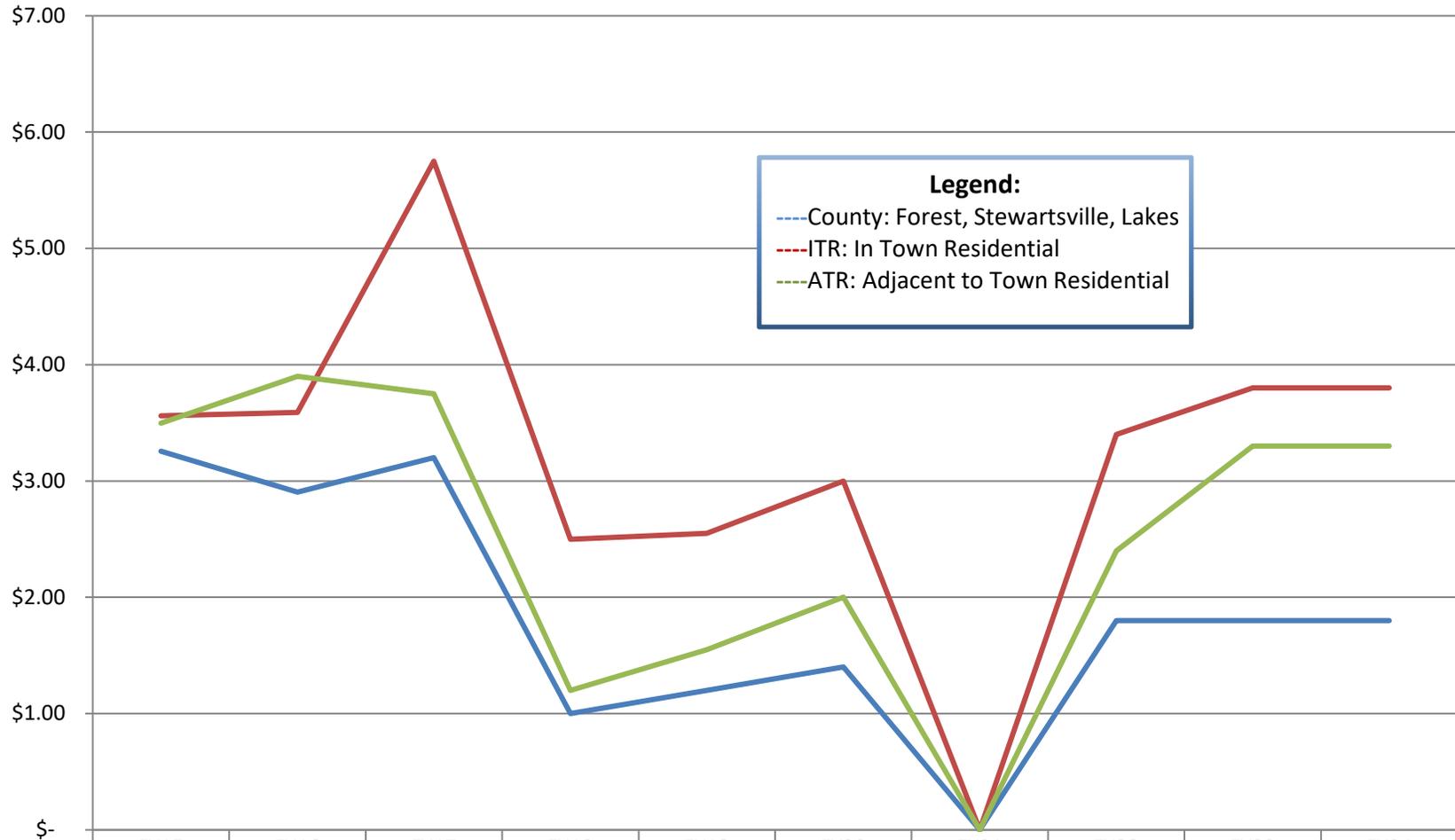
**Legend:**

- County: Forest, Stewartsville, Lakes
- ITR: In Town Residential
- ATR: Adjacent to Town Residential

	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	10.0%	8.1%	8.3%	2.4%	2.8%	3.2%	0.0%	4.0%	3.8%	3.7%
ITR	18.9%	16.0%	22.1%	7.9%	7.4%	8.2%	0.0%	8.5%	8.8%	8.1%
ATR	13.5%	13.3%	11.3%	3.2%	4.1%	5.0%	0.0%	5.7%	7.5%	6.9%

# Monthly WATER Bill Increase (\$) for Average Residential Customer

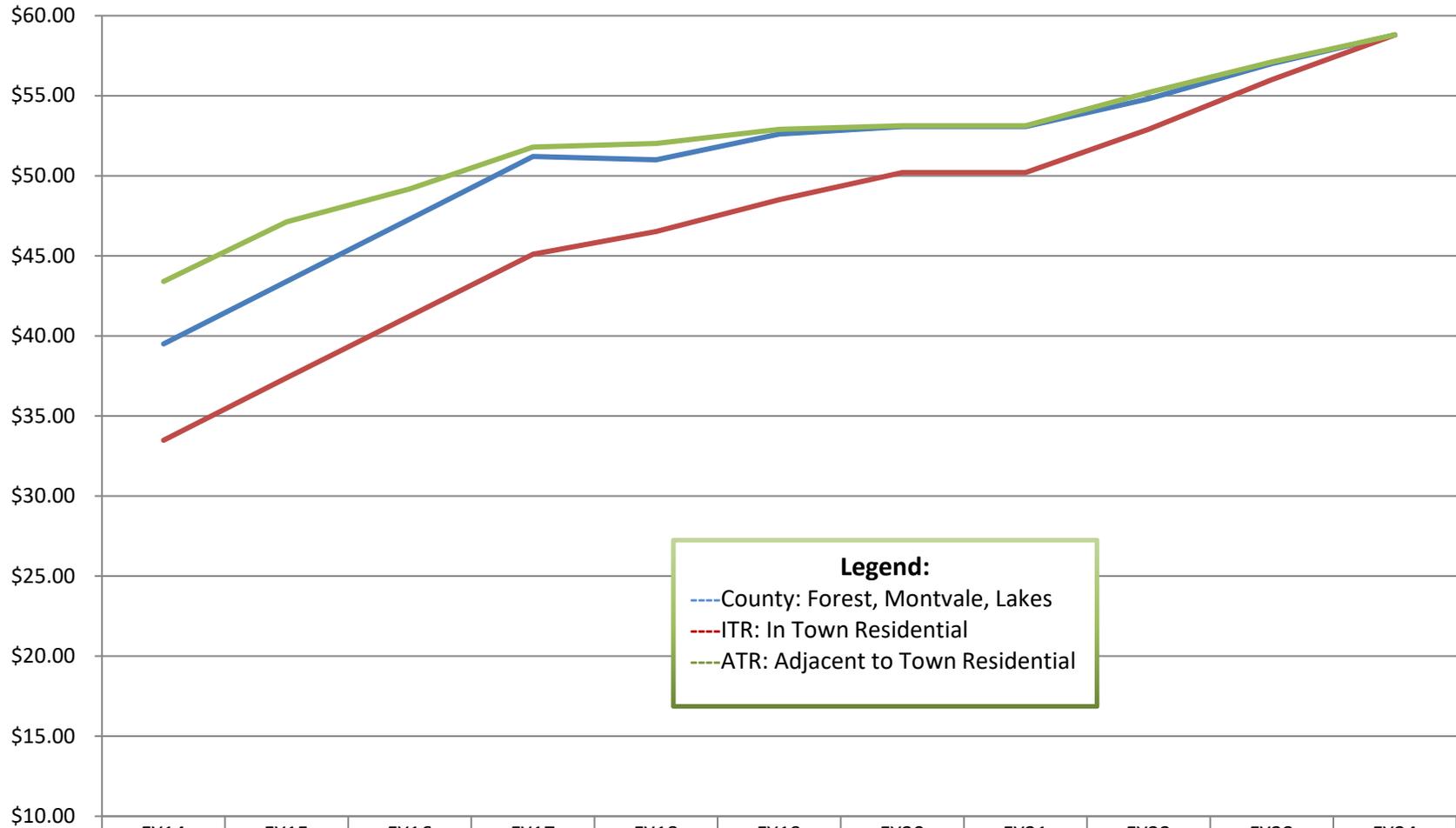
(based on 4,000 gallons per month)



	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	\$3.26	\$2.90	\$3.20	\$1.00	\$1.20	\$1.40	\$-	\$1.80	\$1.80	\$1.80
ITR	\$3.56	\$3.59	\$5.75	\$2.50	\$2.55	\$3.00	\$-	\$3.40	\$3.80	\$3.80
ATR	\$3.50	\$3.90	\$3.75	\$1.20	\$1.55	\$2.00	\$-	\$2.40	\$3.30	\$3.30

# Monthly SEWER Bills for Average Residential Customer

(based on 4,000 gallons per month)



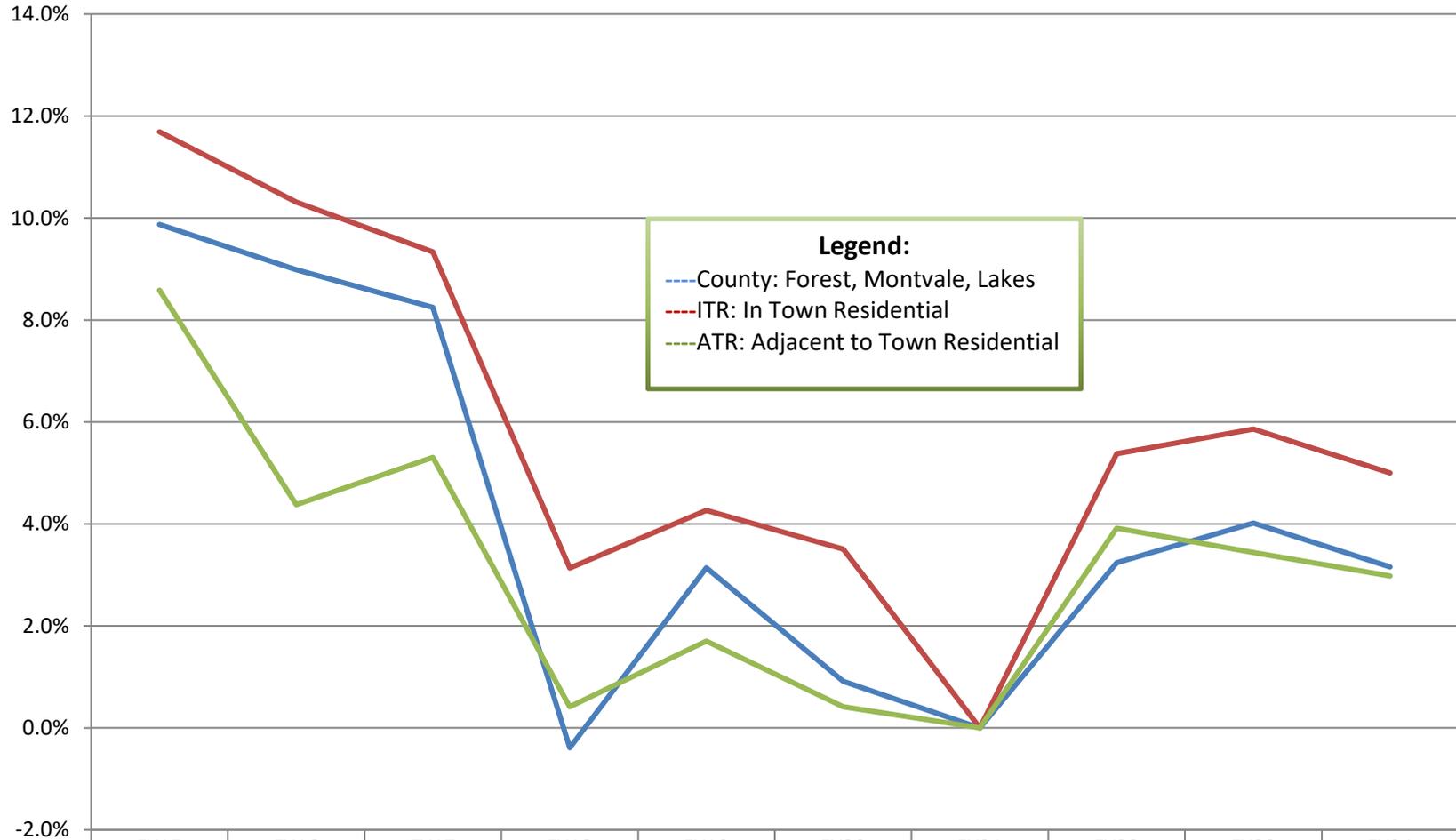
**Legend:**

- County: Forest, Montvale, Lakes
- ITR: In Town Residential
- ATR: Adjacent to Town Residential

	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	\$39.50	\$43.40	\$47.30	\$51.20	\$51.00	\$52.60	\$53.08	\$53.08	\$54.80	\$57.00	\$58.80
ITR	\$33.48	\$37.39	\$41.25	\$45.10	\$46.51	\$48.50	\$50.20	\$50.20	\$52.90	\$56.00	\$58.80
ATR	\$43.40	\$47.13	\$49.19	\$51.80	\$52.01	\$52.90	\$53.12	\$53.12	\$55.20	\$57.10	\$58.80

# Monthly **SEWER** Bill Increase (%) for Average Residential Customer

(based on 4,000 gallons per month)



**Legend:**

- County: Forest, Montvale, Lakes
- ITR: In Town Residential
- ATR: Adjacent to Town Residential

	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	9.9%	9.0%	8.2%	-0.4%	3.1%	0.9%	0.0%	3.2%	4.0%	3.2%
ITR	11.7%	10.3%	9.3%	3.1%	4.3%	3.5%	0.0%	5.4%	5.9%	5.0%
ATR	8.6%	4.4%	5.3%	0.4%	1.7%	0.4%	0.0%	3.9%	3.4%	3.0%

# Monthly **SEWER** Bill Increase (\$) for Average Residential Customer

(based on 4,000 gallons per month)



	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
County	\$3.90	\$3.90	\$3.90	\$(0.20)	\$1.60	\$0.48	\$-	\$1.72	\$2.20	\$1.80
ITR	\$3.91	\$3.86	\$3.85	\$1.41	\$1.99	\$1.70	\$-	\$2.70	\$3.10	\$2.80
ATR	\$3.73	\$2.06	\$2.61	\$0.21	\$0.89	\$0.22	\$-	\$2.08	\$1.90	\$1.70

# FINANCIAL REPORT



1723 Falling Creek Road  
Bedford, VA 24523-3137  
(540) 586-7679 (phone)  
(540) 586-5805 (fax)  
brwa@brwa.com

# MEMORANDUM

**To: BRWA Board of Directors**  
**From: Jill W. Underwood, Director of Finance**  
**Date: April 12, 2022**  
**Re: Financial Highlights for March 2022**

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## **Customer Service Statistical Report:**

Due to the billing system implementation, disconnects were not performed in February and March, they resumed for the month of April. The monthly disconnect information can be viewed on the Tracking Data for the Customer Service Department report (lines 20 & 21) in the board packet.

## **Summary of Revenues & Expenses:**

- 1) Budget goal is 75% for March, operating revenues are at 77% and operating expenses at 69%.
- 2) Capital Recovery fees received so far this FY are 97% of the total budgeted amount, with water at 81% and sewer at 152%. There were 13 new connections in Forest.
- 3) Debt- all VRA bonds have been paid for the fiscal year and the full \$2M moral obligation has been received from the County.

## **Cash Flow Summary**

The summary is included in your packets.

### Tracking Data for Customer Service Department

Description	April '21	May '21	June '21	July '21	August '21	September '21	October '21	November '21	December '21	January '22	February '22	March '22	Running 12 Month Totals
1 Statements Mailed	15,237	15,273	15,304	15,301	15,142	15,110	15,123	15,134	15,172	15,012	14,933	14,852	181,593
2 Statements Sent Electronically	310	2,285	2,392	648	926	1,036	508	1,916	1,706	1,153	1,819	1,643	16,342
3 Total of Payments Received	12,251	12,301	13,330	12,833	13,474	12,877	13,085	13,174	13,270	11,430	13,485	13,406	154,916
4	\$1,157,433.82	\$1,266,813.43	\$1,360,467.63	\$1,265,583.55	\$1,421,442.06	\$1,280,152.33	\$1,545,482.34	\$1,239,099.34	\$1,424,343.42	\$1,064,643.02	\$1,242,116.93	\$1,288,604.40	\$15,556,182.27
5	2,640	2,579	2,686	2,592	2,587	2,596	2,551	2,626	2,615	2,321	2,896	2,751	31,440
6 Bill Payer Payments	\$166,551.99	\$160,905.25	\$177,974.10	\$181,197.24	\$190,519.04	\$183,472.04	\$181,368.84	\$178,239.08	\$184,708.03	\$148,689.27	\$177,673.19	\$173,675.37	\$2,104,973.44
7	21.5%	21.0%	20.2%	20.2%	19.2%	20.2%	19.5%	19.9%	19.7%	20.3%	21.5%	20.5%	20.3%
8	767	688	617	424	354	278	263	218	224	201	156	136	4,326
9 Paymentus Payments	\$65,099.17	\$60,726.80	\$56,736.32	\$38,225.05	\$36,816.81	\$24,972.25	\$23,417.75	\$17,584.95	\$18,084.11	\$15,598.26	\$12,923.16	\$9,974.20	\$380,158.83
10	6.3%	5.6%	4.6%	3.3%	2.6%	2.2%	2.0%	1.7%	1.7%	1.8%	1.2%	1.0%	2.8%
11	1,557	1,844	1,908	2,333	2,692	2,595	2,846	2,702	2,882	3,086	2,759	3,046	30,250
12 Invoice Cloud Payments	\$127,620.52	\$167,957.30	\$165,879.01	\$209,398.52	\$288,041.93	\$241,544.80	\$269,553.40	\$252,736.83	\$281,461.51	\$94,511.07	\$252,211.74	\$306,516.07	\$2,657,432.70
13	12.7%	15.0%	14.3%	18.2%	20.0%	20.2%	21.8%	20.5%	21.7%	27.0%	20.5%	22.7%	19.5%
14	1,821	1,854	1,871	1,861	1,891	1,873	1,889	1,897	1,895	1,865	1,829	1,842	22,388
15 Automatic Draft Payments (ACH)	\$104,453.93	\$113,714.11	\$119,931.36	\$132,908.07	\$141,439.67	\$136,003.65	\$139,462.06	\$128,672.21	\$123,294.01	\$117,943.62	\$112,790.85	\$114,841.24	\$1,485,454.78
16	14.9%	15.1%	14.0%	14.5%	14.0%	14.5%	14.4%	14.4%	14.3%	16.3%	13.6%	13.7%	14.5%
17 Account Transfers	155	146	171	163	174	163	134	137	133	97	57	75	1,605
18 New Customers - Forest	10	47	8	5	5	7	13	6	18	11	16	13	159
19 New Customers - SML	5	2	1	4	-	1	2	1	2	6	1	-	25
20 Residential Disconnected Customers	356	364	510	564	99	79	192	96	151	45	-	-	2,456
21	\$115,462.49	\$154,763.35	\$181,321.32	\$153,723.49	\$63,988.09	\$27,199.96	\$35,669.33	\$18,121.12	\$20,820.29	\$16,049.38	\$0.00	\$0.00	\$787,119
22 Meters Read - Normal and Transfer Readings	14,504	14,537	14,577	14,596	14,691	14,705	14,623	14,641	14,652	14,711	14,754	14,784	175,775
23 Radio Read Meters	13,546	13,758	13,937	14,073	14,162	14,199	14,169	14,215	14,245	14,383	14,423	14,680	169,790
24 Manually Read Meters	958	779	640	523	529	506	454	426	407	328	331	104	5,985
25 Tower Read Meters	2,674	2,020	2,879	2,756	3,103	2,122	3,062	2,963	2,675	2,862	3,073	3,060	33,249
26 New Meter Installs	26	32	22	19	12	14	14	27	14	19	3	21	223
27 Broken Meters Replaced	-	-	-	-	1	-	-	-	-	-	9	9	19
28 Meters Changed - Program	157	178	56	118	52	23	18	20	19	99	37	132	909
29 Connections paid for but not installed	356	366	353	321	319	318	321	309	302	301	318	310	N/A
30 Remaining Developer's Credits	\$341,484.01	\$362,484.01	\$362,484.01	\$374,484.01	\$374,484.01	\$374,484.01	\$374,484.01	\$374,484.01	\$357,684.01	\$357,684.01	\$357,684.01	\$341,484.01	N/A
31 Bulk Water Sales - New London (Gallons)	93,485	104,219	163,432	109,265	30,404	18,560	25,050	17,855	4,660	-	16,713	12,975	596,618
32 Bulk Water Sales - Moneta (Gallons)	-	26,400	25,300	17,400	20,830	18,600	16,780	5,800	1,945	-	-	3,175	136,230
33 Bulk Water Sales - Central Distr (Gallons)	126,500	45,600	44,300	7,000	13,000	15,100	6,100	5,800	-	-	-	8,200	271,600
34 Total Bulk Water Sales	\$1,187.92	\$951.58	\$1,258.37	\$721.79	\$346.86	\$282.20	\$258.82	\$159.06	\$35.67	\$0.00	\$90.25	\$131.49	\$5,424.02

Bedford Regional Water Auth.  
Balance Sheet  
For the Nine Months Ending Thursday, March 31, 2022

		<u>7/1/2021</u>	<u>Mar 2022</u>
		<u>Beginning</u>	<u>Actual</u>
ASSETS			
1000:1000	Cash	\$7,494,850.24	\$5,350,630.77
1001	Restricted Investments	13,356,199.29	11,525,526.52
1002:1002	Prepaid Expenses	989,437.45	857,479.47
1101:1101	Accounts Receivable	2,135,398.67	2,031,272.55
1102	Accounts Receivable Other	12,144.52	192,858.79
1200	Inventory	718,893.23	1,000,574.59
1202	Loan Related Assets	3,934.66	3,934.66
1250	Construction In Progress	2,343,640.81	7,081,776.05
1301	Tangible Assets- Office	4,436,522.86	4,457,389.79
1302	Tangible Assets - Vehicles	3,438,853.21	3,599,117.84
1400:1500	Tangible Assets - Water	100,874,591.94	101,696,579.24
1700	Tangible Assets - Sewer	63,400,631.54	64,424,549.76
1800	Intangible Assets	714,451.00	714,451.00
1801	Fixed Asset Clearing Account		63,632.05
1900	Depreciation	<u>(69,344,496.04)</u>	<u>(72,349,782.29)</u>
	Total assets	<u>130,575,053.38</u>	<u>130,649,990.79</u>
LIABILITIES			
2000	Accounts Payable	(1,762,784.90)	(548,070.84)
2001	Customer Liabilities	(325,674.23)	(408,591.17)
2100	Employee Liabilities	(1,639,639.81)	(1,561,873.36)
2200	Notes Payable	(43,552,826.53)	(40,761,064.68)
2300	Developer Credits	(384,274.01)	(372,178.67)
2999	Retained Earnings	<u>(82,909,853.90)</u>	<u>(82,909,853.90)</u>
	Total liabilities	<u>(130,575,053.38)</u>	<u>(126,561,632.62)</u>
	Operating Surplus/ (Loss)		4,088,358.17

Bedford Regional Water Auth.  
Balance Sheet  
For the Nine Months Ending Thursday, March 31, 2022

		<u>7/1/2021</u>	<u>Mar 2022</u>
		<u>Beginning</u>	<u>Actual</u>
<b>ASSETS</b>			
Cash:			
1000-0000	Change Box for CS	350.00	350.00
1000-0001	Petty Cash	16.57	16.57
1000-0002	Truist Checking Account	3,631,630.74	1,493,572.61
1000-0004	Cash Drawer	225.00	225.00
1000-0011	LGIP Operating Reserves Fund	322,782.68	322,961.95
1000-1000	VA Investment Pool-Capital Projects Reserve	2,502,221.25	2,504,190.91
1000-2000	VA Investment Pool- Operating Reserves	1,037,624.00	1,038,440.73
1000-0005	Cash Suspense Account (for F.A.)		(9,127.00)
	<b>Total Cash</b>	<u>7,494,850.24</u>	<u>5,350,630.77</u>
Restricted Investments:			
1001-0001	Deposit Refund Program Fund	359,661.65	359,661.65
1001-0010	Debt Service Accumulation Fund	2,311,197.09	2,062,395.84
1001-0020	Reserve for future capital projects	663,099.32	663,397.34
1001-0021	County Funds for New Projects	201,061.58	87,672.06
1001-0022	SML WTF Depreciation Fund WVWA	403,157.27	403,467.78
1001-0023	BRWA Cell Tower Funds	281,925.54	311,891.30
1001-0024	SML WTF Depreciation Fund- BRWA portion	403,143.33	403,467.77
1001-0025	Vehicle and Equipment Replacement Fund	432,181.11	564,855.89
1001-0030	Information Systems Replacement Fund	187,695.99	233,008.75
1001-0035	Meter Replacement Fund	357,382.46	460,580.46
1001-0040	Sewerline Replacement Fund	658,191.16	758,362.76
1001-0045	Waterline Replacement Fund	682,161.92	317,258.70
1001-0050	Tank Rehab	237,996.00	301,745.97
1001-1010	VA Investment Pool- Reserve Fund	450,838.05	437,930.62
1001-1020	LGIP Repairs & Maintenance Reserve	24,085.63	24,085.63
1001-1025	VRA Debt Service Reserve Fund- PNC Bank	1,931,140.75	1,931,140.75
1001-1030	VRA 2015 Debt Service Reserve Fund-SNAP	9,013.02	(8,053.43)
1001-1100	Escrow Account	32,037.34	32,037.34
1001-1215	VRA 2020 Construction Fund	3,727,098.15	2,176,109.58
1001-1216	VRA 2020 Construction Account- Interest	3,131.93	4,509.76
	<b>Total Restricted Investments</b>	<u>13,356,199.29</u>	<u>11,525,526.52</u>
Prepaid Expenses:			
1002-1000	Prepaid Insurance	113,508.32	35,984.20
1002-1001	Prepaid Dues/Service Contracts	62,658.13	8,224.27
1002-1002	Deferred Outflows of Resources (Pensions)	716,684.00	716,684.00
1002-1003	VRS OPEB Deferred Outflow	98,259.00	98,259.00
1002-1004	VRS OPEB Deferred Outflow	(8,586.00)	(8,586.00)
1002-1005	Local OPEB Deferred Outflows	22,750.00	22,750.00
1002-1006	Local OPEB Deferred Inflows	(15,836.00)	(15,836.00)
	<b>Total Prepaid Expenses</b>	<u>989,437.45</u>	<u>857,479.47</u>
Accounts Receivable:			
1101-1000	Billings Receivable Water	1,497,719.63	1,686,172.63
1101-2000	Budget Billing Accounts Rec.	229.36	6.52
1101-2001	Monthly Statement A/R	(20.00)	(20.00)
1101-2002	Monthly Deferred A/R- holding account	553.47	553.47
1101-2003	AR Credits	(50.00)	(50.00)
1101-3000	Billings Receivable Sewer	946,611.25	660,106.30
1101-3210	Credit Card Convenience Fee AR	841.58	735.34
1101-4000	Allowance for Doubtful Accounts	(605,103.89)	(605,103.89)
1101-4001	Water Penalties- A/R	50,734.86	(373,091.88)
1101-4002	Payment Arrangement AR- Water	(154.96)	(154.96)
1101-4003	Sewer Penalties A/R	33,670.11	13,956.98
1101-4004	Payment Arrangement AR- Sewer	268.43	268.43
1101-4005	Payment Arrangement AR- Sewer Penalties	94.60	94.60

Bedford Regional Water Auth.  
Balance Sheet  
For the Nine Months Ending Thursday, March 31, 2022

		<u>7/1/2021</u>	<u>Mar 2022</u>
		<u>Beginning</u>	<u>Actual</u>
1101-4006	Payment Arrangement AR- Water Penalties	174.14	174.14
1101-5001	Water Capital Recovery Fees A/R	55,779.00	420,579.00
1101-5002	Returned Check A/R	1,078.80	858.63
1101-5003	Sewer Capital Recovery Fees A/R	30,627.78	158,563.73
1101-5005	Reconnect Fee A/R	26,590.03	16,293.26
1101-6000	Water Account Charge A/R	9,620.05	12,543.53
1101-6003	Sewer Account Charges A/R	5,268.09	4,657.59
1101-7001	Water Deposits A/R	3,428.81	(10,256.38)
1101-7003	Sewer Deposits A/R	20,562.00	20,948.25
1101-7500	Meter Base Installation Fee A/R	12,744.02	31,763.43
1101-7502	A/R- Sewer Clean-Out Installation Fee	3,000.00	7,500.00
1101-7504	Sewer Pump Maintenance A/R	5,859.84	3,829.77
1101-7505	Service Repairs & Rents A/R	1,004.94	(709.88)
1101-7506	A/R- Septage Dumping Fees	8,335.00	8,335.00
1101-7507	Meter Fee A/R	4,475.00	21,844.63
1101-7508	A/R- Industrial Pretreatment	1,083.33	1,583.32
1101-7510	SGP Review and Inspections A/R	1,200.00	(4,057.68)
1101-8000	Misc. Charges Receivable	(1.00)	(1.00)
1101-8002	NSF holding/clearing account	375.39	50.51
1101-8003	Consolidation holding account	(3,761.63)	(3,761.63)
1101-8006	Unauthorized Service A/R	7,810.26	4,000.00
1101-8009	Pending Electronic Payments	14,750.38	(46,939.21)
	Total Accounts Receivable	<u>2,135,398.67</u>	<u>2,031,272.55</u>
Accounts Receivable Other:			
1102-0001	Miscellaneous Accounts Receivable	12,144.52	192,858.79
	Total Accounts Receivable Other	<u>12,144.52</u>	<u>192,858.79</u>
Inventory:			
1200-0001	Maintenance Inventory	243,741.69	371,042.26
1200-0002	Meter Inventory	475,151.54	629,532.33
	Total Inventory	<u>718,893.23</u>	<u>1,000,574.59</u>
Loan Related Assets:			
1202-0009	VRA 2014 Cash Account (per docs)	3,934.66	3,934.66
	Total Loan Related Assets	<u>3,934.66</u>	<u>3,934.66</u>
Construction In Progress:			
1250-0324	Central Sewer Pump Station 5	46,028.76	209,214.79
1250-0326	Town & Country Sewer Replacement Project	33,970.00	68,745.00
1250-0345	CIP- Central WWTP PLC controls	7,000.00	25,250.00
1250-0353	CIP- SML WTP & Waterlines	135,600.00	244,351.28
1250-0363	BRWA Parking Lot Expansion	87,995.50	662,655.03
1250-0383	CIP- Ivy Creek Sewer	252,454.09	1,232,298.49
1250-0390	CIP- 460 Booster Station	47,560.00	807,808.00
1250-0391	CIP- Turkey Mtn Booster Station	42,490.00	42,490.00
1250-0394	Mariners Landing WWTP	143,006.16	198,000.80
1250-0395	ESCO Project	1,113,803.58	2,612,781.41
1250-0396	CIP- Avenel Ave Water	633.85	633.85
1250-0397	Route 122 Waterline Relocation	432,911.14	489,053.14
1250-0398	CIP- Avenel Ave Sewer	187.73	19,583.85
1250-0318	Town & Country WATER Replacement		11,200.00
1250-0320	CIP- Paradise Point Waterline		250.00
1250-0321	CIP- Billing System Upgrade		84,078.10
1250-0322	CIP- Key System		37,130.00
1250-0323	Central Water control valves		72,492.82
1250-0327	CIP- Poplar St.		38,360.32
1250-0328	Bridgewater Bay PRV		5,600.00
1250-0329	CIP- Windsor Dr Waterline		54,712.86

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		<u>7/1/2021</u> <u>Beginning</u>	<u>Mar 2022</u> <u>Actual</u>
1250-0330	CIP- Stoney Creek Telemetry		4,957.87
1250-0331	CIP- Laurel Street Waterline		93,480.34
1250-0332	Stoney Creek Reservoir Drain Analysis		13,076.25
1250-0335	CIP- Mariners West Cove PS SCADA		8,012.09
1250-0336	Belltown Rd Waterline (ARPA)		3,385.00
1250-0346	CIP- Moneta Park WL Ext.		32,550.08
1250-0350	CIP- Mariners PS 7 to SCADA		9,552.79
1250-0389	CIP- Country Estates Waterline		71.89
	<b>Total Construction In Progress</b>	<b>2,343,640.81</b>	<b>7,081,776.05</b>
<b>Tangible Assets- Office:</b>			
1301-0001	Office Facilities	2,729,555.79	2,742,180.79
1301-0002	Information Systems	1,706,967.07	1,715,209.00
	<b>Total Tangible Assets- Office</b>	<b>4,436,522.86</b>	<b>4,457,389.79</b>
<b>Tangible Assets - Vehicles:</b>			
1302-0001	Vehicles and Equipment	3,438,853.21	3,599,117.84
	<b>Total Tangible Assets - Vehicles</b>	<b>3,438,853.21</b>	<b>3,599,117.84</b>
<b>Tangible Assets - Water:</b>			
1400-1000	SML Water Treatment Facility	16,447,649.90	16,451,649.90
1400-2000	Smith Mountain Lake Central	21,566,117.31	21,566,117.31
1400-3000	Stewartsville Water	2,735,076.84	2,735,076.84
1500-1000	Forest Water	36,630,406.19	37,441,610.19
1500-2000	Lakes Water	1,625,458.78	1,625,458.78
1500-3000	Central Water	21,869,882.92	21,876,666.22
	<b>Total Tangible Assets - Water</b>	<b>100,874,591.94</b>	<b>101,696,579.24</b>
<b>Tangible Assets - Sewer:</b>			
1700-0014	Central Sewer	22,595,952.04	22,595,952.04
1700-0015	Moneta Sewer	12,700,512.43	12,700,512.43
1700-0016	Forest Sewer	19,599,240.73	20,299,954.33
1700-0020	Mariners Landing Sewer	1,229,134.50	1,229,134.50
1700-1016	BRWA Share Lynchburg Sewer Upgrade	5,205,912.62	5,529,117.24
1700-8000	Montvale Sewer	2,069,879.22	2,069,879.22
	<b>Total Tangible Assets - Sewer</b>	<b>63,400,631.54</b>	<b>64,424,549.76</b>
<b>Intangible Assets:</b>			
1800-0000	Studies & Permits (Feasibility, master studies)	658,040.55	658,040.55
1800-0090	Capitalized Interest (Various projects)	56,410.45	56,410.45
	<b>Total Intangible Assets</b>	<b>714,451.00</b>	<b>714,451.00</b>
<b>Fixed Asset Clearing Account:</b>			
1801-0000	Fixed Asset Clearing Account		63,632.05
	<b>Total Fixed Asset Clearing Account</b>		<b>63,632.05</b>
<b>Depreciation:</b>			
1900-0000	Accumulated Depreciation	(69,344,496.04)	(72,349,782.29)
	<b>Total Depreciation</b>	<b>(69,344,496.04)</b>	<b>(72,349,782.29)</b>
	<b>Total assets</b>	<b>130,575,053.38</b>	<b>130,649,990.79</b>

**LIABILITIES**

Accounts Payable:

Bedford Regional Water Auth.  
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		<u>7/1/2021</u> <u>Beginning</u>	<u>Mar 2022</u> <u>Actual</u>
2000-1000	Accounts Payable	(1,515,118.76)	(487,344.90)
2000-1005	Retainage Payable	(247,666.14)	(60,725.94)
	<b>Total Accounts Payable</b>	<b>(1,762,784.90)</b>	<b>(548,070.84)</b>
<b>Customer Liabilities:</b>			
2001-0000	Customer Credit- Budget Billing accounts	5,068.88	5,068.88
2001-0001	Customer Credits	(202,152.63)	(243,246.56)
2001-0002	Misc. Misposting	(1,520.90)	713.57
2001-0003	Customer Refunds Payable	9,454.97	11,820.44
2001-0004	Liabilty for Sureties Held	(5,250.00)	(5,250.00)
2001-1000	Water Deposits	(74,361.89)	(96,328.09)
2001-1555	Fireline Assembly Deposits	(16,308.86)	(16,308.86)
2001-2000	Interest on Deposits (Town accounts)	1,256.93	1,256.93
2001-3000	Sewer Deposits	(41,860.73)	(66,317.48)
	<b>Total Customer Liabilities</b>	<b>(325,674.23)</b>	<b>(408,591.17)</b>
<b>Employee Liabilities:</b>			
2100-0050	Compensated Absences Liability	(157,283.11)	(157,283.11)
2100-0060	Accrued Payroll	(129,577.98)	(0.01)
2100-0250	VRS Employee Contribution Payable	391.85	(15,907.71)
2100-0400	Net Pension Liabilty	(784,977.00)	(784,977.00)
2100-0500	VRS OPEB Liability	(287,541.00)	(287,541.00)
2100-0510	Local OPEB Liability	(258,380.00)	(258,380.00)
2100-0550	Health Insurance Payable- Employee Share	(24,496.67)	(8,202.98)
2100-0600	VRS Mandatory Cash Match- Hybrid	1.25	1.25
2100-0750	Optional Life Insurance Payable	600.93	1,306.41
2100-0800	AFLAC Withholding Payable	1,671.75	1,670.15
2100-0900	Outstanding Payables Checks	(49.83)	(49.83)
2100-0200	State Witholding Payable		(49,931.91)
2100-0450	Flexible Spending Account Payable		(1,002.62)
2100-0650	Deferred Compensation Payable		(1,127.50)
2100-0675	VRS Roth Contributions		(447.50)
	<b>Total Employee Liabilities</b>	<b>(1,639,639.81)</b>	<b>(1,561,873.36)</b>
<b>Notes Payable:</b>			
2200-0115	Current Maturities Long-Term Debt	0.40	3,093,315.40
2200-2001	Accrued Interest Payable	(403,411.79)	(403,411.79)
2200-2020	VRA 2015 Loan	(28,840,000.00)	(28,840,000.00)
2200-2021	VRA 2015 Premium	(264,093.49)	(264,093.49)
2200-2026	VRA Series 2005 Premium	(1,685.60)	(1,685.60)
2200-2029	VRA 2009 Series Deferred amount of Refunding	76,333.52	76,333.52
2200-2230	Series 2012 Loan (2005 Refunding)	(2,365,000.00)	(2,365,000.00)
2200-2231	Series 2012 Premium (2005 Refunding)	(246,946.76)	(246,946.76)
2200-2232	VRA 2012 Deferred Amount on refunding	130,234.64	130,234.64
2200-2233	VRA Series 2014 Loan (2005 refunding)	(1,745,000.00)	(1,745,000.00)
2200-2234	VRA Series 2014 Premium (2005)	(123,530.82)	(123,530.82)
2200-2235	VRA 2014 Deferred Amt on Refunding	40,542.47	40,542.47
2200-2236	VRA 2019 Refunding Premium	(94,659.33)	(94,659.33)
2200-2237	VRA Series 2019 Refunding	(1,860,000.00)	(1,860,000.00)
2200-2238	VRA Series 2019 Deferred Amt on Refunding	(49,867.99)	(49,867.99)
2200-2240	VRA 2020 Loan (ESCO)	(3,730,000.00)	(3,730,000.00)
2200-2241	VRA 2020 Premium	(547,875.53)	(547,875.53)
2200-2500	Assumed Debt from Town	(2,771,355.05)	(2,771,355.05)
2200-3000	Lynchburg Sewer System Loan Payable	(756,511.20)	(1,058,064.35)
	<b>Total Notes Payable</b>	<b>(43,552,826.53)</b>	<b>(40,761,064.68)</b>
<b>Developer Credits:</b>			
2300-0000	Deferred Revenue Liability	(362,484.01)	(362,388.67)
2300-0002	Prepayments Transfer Clearing account		12,000.00

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		<u><i>7/1/2021</i></u>	<u><i>Mar 2022</i></u>
		<u><i>Beginning</i></u>	<u><i>Actual</i></u>
2300-1000	Deferred Inflows of Resources	(21,790.00)	(21,790.00)
	Total Developer Credits	<u>(384,274.01)</u>	<u>(372,178.67)</u>
Retained Earnings: 2999-0000	Retained Earnings	(82,909,853.90)	(82,909,853.90)
	Total Retained Earnings	<u>(82,909,853.90)</u>	<u>(82,909,853.90)</u>
	Total liabilities	(130,575,053.38)	(126,561,632.62)
	Operating Surplus/ (Loss)		4,088,358.17

Bedford Regional Water Auth.  
Summary of Revenue & Expenditures  
For the Nine Months Ending Thursday, March 31, 2022

	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>	
<b>OPERATING REVENUE</b>						
3000-3000	Water Sales	(\$1,298,196.93)	(\$7,016,869.57)	(\$9,313,750.00)	(\$2,296,880.43)	75%
3100-	Sewer Sales	(362,801.43)	(3,447,731.36)	(4,542,954.00)	(1,095,222.64)	76%
3902	Penalties		(27,504.89)	(70,000.00)	(42,495.11)	39%
3903-	Account Charges	(3,525.00)	(39,735.00)	(60,000.00)	(20,265.00)	66%
3903-	Review Fees	(8,230.00)	(37,666.87)	(55,500.00)	(17,833.13)	68%
3900-	Interest Earned	5,058.41	8,069.88	(10,000.00)	(18,069.88)	(81%)
3903-	Sewer Clean Outs		(9,200.00)	(7,000.00)	2,200.00	131%
3903-3250	Meter Installation Revenues	(18,400.00)	(107,835.00)	(95,000.00)	12,835.00	114%
3903-3255	Industrial Pretreatment Revenue		(9,124.92)	(18,000.00)	(8,875.08)	51%
3903-3261	Rent/Meter Charges	(3,612.07)	(9,341.09)	(5,000.00)	4,341.09	187%
3903-	Misc	(4,131.77)	(92,302.46)	(139,124.00)	(46,821.54)	66%
3903-	Fixed Asset Disposals		(44,665.65)		44,665.65	0%
3901-	Account Default Fees		(21,940.00)	(3,000.00)	18,940.00	731%
3201-3275	Contract Reimbursements	(62,852.02)	(278,176.32)	(151,000.00)	127,176.32	184%
	Revenue from BRWA Operations	(1,756,690.81)	(11,134,023.25)	(14,470,328.00)	(3,336,304.75)	77%
3000-3220	Capital Recovery Fees	(258,600.00)	(1,122,800.00)	(1,158,411.00)	(35,611.00)	97%
3903-3265	Cellular Antenna Site Rental-County portion	(3,254.51)	(41,675.79)	(53,166.00)	(11,490.21)	78%
3904-3310	BOS Capital Contributions	(203,093.74)	(2,000,000.00)	(2,000,000.00)		100%
3904-3312	BOS Contributions for New Development		(500,000.00)	(500,000.00)		100%
3904-3315	Developer Line Contributions		(1,511,917.60)	(200,000.00)	1,311,917.60	756%
3904-3316	Contributions from WVWA	(180,000.00)	(180,000.00)		180,000.00	0%
3903-3330	SML WTF Revenue	(168.45)	(593.95)		593.95	0%
3904-3317	Developer Prepayments Redemption Revenue			(20,000.00)	(20,000.00)	0%
	Revenue from Other Sources	(645,116.70)	(5,356,987.34)	(3,931,577.00)	1,425,410.34	136%
	<b>Total Revenue</b>	<b>(2,401,807.51)</b>	<b>(16,491,010.59)</b>	<b>(18,401,905.00)</b>	<b>(1,910,894.41)</b>	<b>90%</b>
<b>OPERATING EXPENSES</b>						
4000 + 4002	Salaries	511,824.83	3,168,517.57	4,414,027.97	1,245,510.40	72%
4010	General Office Expenses	23,692.17	168,360.86	247,251.00	78,890.14	68%
4100	Employee Benefit & Related Expenses	114,889.16	1,158,667.49	1,833,200.00	674,532.51	63%
4110	Billing Expenses	14,886.05	423,724.88	214,957.00	(208,767.88)	197%
4120	Information Systems Expenses	10,677.22	118,519.54	159,189.00	40,669.46	74%
4130	Administration Supplies		89.46	1,000.00	910.54	9%
4140	Customer Service Supplies		277.08	2,318.00	2,040.92	12%
4210	Engineering Expenses	2,044.80	27,763.06	88,328.00	60,564.94	31%
4220 + 4223	Operations Expenses	473.38	703.79	1,600.00	896.21	44%
4221	Compliance Program Supplies		591.86	8,000.00	7,408.14	7%
4222	Pretreatment Expenses	1,007.64	7,868.61	19,600.00	11,731.39	40%
4225-0100	Lab Supplies	2,239.98	18,976.02	24,000.00	5,023.98	79%
4230	Maintenance Expenses	1,709.61	23,388.10	46,832.00	23,443.90	50%
4240	Vehicles & Equipment Expenses	36,485.51	202,283.51	241,100.00	38,816.49	84%
4250	Forest Water Expenses	165,896.16	661,054.51	878,341.00	217,286.49	75%
4260	Well Systems Expenses	3,741.27	18,576.67	38,673.00	20,096.33	48%
4265	SML Central Distribution Water System Expenses	360.86	21,764.90	34,180.00	12,415.10	64%
4270	Highpoint Facility Expenses	5,665.44	25,246.60	30,792.00	5,545.40	82%
4330	SMLWTF Water Treatment Expenses	34,215.60	327,663.41	555,794.00	228,130.59	59%
4275	Central Water Distribution Expenses	16,132.05	97,458.51	228,753.00	131,294.49	43%
4276	Central Water Treatment Expenses	23,390.45	119,761.73	135,017.00	15,255.27	89%
4280	Stewartsville Water Expenses	2,234.75	34,875.52	41,448.00	6,572.48	84%
4290	Forest Sewer Expenses	58,000.65	341,710.77	608,044.00	266,333.23	56%
4291	Central Sewer Collection System Expenses	32,590.50	79,052.77	323,750.00	244,697.23	24%
4293	Central Sewer Treatment Expenses	58,510.51	322,596.16	583,460.00	260,863.84	55%
4292	Moneta Sewer Collection System Expenses	1,791.89	17,062.37	32,800.00	15,737.63	52%
4294	Moneta Sewer Treatment Expenses	16,908.71	79,129.87	163,062.00	83,932.13	49%
4295	Montvale Sewer Expenses	1,865.02	13,481.63	49,618.00	36,136.37	27%
4340	Mariners Landing Sewer Expenses	7,601.64	76,657.41	104,686.00	28,028.59	73%
4350	Cedar Rock Sewer Expenses	1,478.31	19,124.47	45,770.00	26,645.53	42%
4360	Paradise Point Water Expenses	218.91	8,536.44	19,463.00	10,926.56	44%
4300 + 4310	Schools Sewer Expenses	3,285.49	13,470.18	42,000.00	28,529.82	32%
4315	Mariners Landing Water Expenses	933.25	3,786.68		(3,786.68)	0%
4320	Franklin County Operations	7,444.31	24,673.99	39,000.00	14,326.01	63%

Bedford Regional Water Auth.  
 Summary of Revenue & Expenditures  
 For the Nine Months Ending Thursday, March 31, 2022

	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
4600:4600 BRWA&EDA Contributions for Development		162,450.00		(162,450.00)	0%
Total Operating Expenditures	1,162,196.12	7,787,866.42	11,256,053.97	3,468,187.55	69%
4400 Depreciation		3,097,681.00	3,257,478.00	159,797.00	95%
4500-0600 Loan Issuance Costs		15,600.00		(15,600.00)	0%
4500-0640 Lynchburg Debt Service Paid			1,842.00	1,842.00	0%
4500-0645 2012 VRA Interest	41,512.50	102,115.63	102,116.00	0.37	100%
4500-0660 2014 VRA Interest	38,640.63	77,281.26	77,281.00	(0.26)	100%
4500-0665 2015 VRA Interest	508,846.88	1,034,090.63	1,034,091.00	0.37	100%
4500-0650 Assumed Debt from City		72,548.71	72,881.00	332.29	100%
4500-0670 VRA 2019 Interest	24,471.88	72,134.38	72,134.00	(0.38)	100%
4500-0675 VRA 2020 Interest (ESCO project)	69,425.01	143,334.39	143,334.00	(0.39)	100%
Total Interest and Debt Service	682,896.90	1,517,105.00	1,503,679.00	(13,426.00)	101%
Total Exp., Depr. and Debt Service	1,845,093.02	12,402,652.42	16,017,210.97	3,614,558.55	77%
Total Revenues Less Oper Expense	(556,714.49)	(4,088,358.17)	(2,384,694.03)	1,703,664.14	171%
Gross Cash Before Capital Exp	(556,714.49)	(4,088,358.17)	(2,384,694.03)	1,703,664.14	171%
Less non-debt Capital Contributions	(180,168.45)	(1,692,511.55)	(220,000.00)	1,472,511.55	769%
Earnings/(loss) before BRWA Capital Outlays	(376,546.04)	(2,395,846.62)	(2,164,694.03)	231,152.59	111%

Bedford Regional Water Auth.  
Summary of Revenue & Expenditures  
For the Nine Months Ending Thursday, March 31, 2022

		<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
<b>OPERATING REVENUE</b>						
<b>Water Sales:</b>						
3000-3000	Water Sales	(1,290,379.23)	(6,863,074.98)	(9,223,750.00)	(2,360,675.02)	74%
3000-3050	Contract Water Sales		(124,782.27)	(90,000.00)	34,782.27	139%
3000-3100	Paradise Point Water	(7,817.70)	(29,012.32)		29,012.32	0%
	<b>Total Water Sales</b>	<u>(1,298,196.93)</u>	<u>(7,016,869.57)</u>	<u>(9,313,750.00)</u>	<u>(2,296,880.43)</u>	<u>75%</u>
<b>Sewer Sales:</b>						
3100-3000	Sewer Sales	(360,118.10)	(3,422,547.52)	(4,510,814.00)	(1,088,266.48)	76%
3100-3025	Mariners Landing Sewer		(70.82)		70.82	0%
3100-3050	Cedar Rock Revenue	(2,683.33)	(25,113.02)	(32,140.00)	(7,026.98)	78%
	<b>Total Sewer Sales</b>	<u>(362,801.43)</u>	<u>(3,447,731.36)</u>	<u>(4,542,954.00)</u>	<u>(1,095,222.64)</u>	<u>76%</u>
<b>Penalties:</b>						
3902-3211	Water Penalty Revenue		(17,066.82)	(45,000.00)	(27,933.18)	38%
3902-3213	Sewer Penalty Revenue		(10,438.07)	(25,000.00)	(14,561.93)	42%
	<b>Total Penalties</b>		<u>(27,504.89)</u>	<u>(70,000.00)</u>	<u>(42,495.11)</u>	<u>39%</u>
<b>Account Charges:</b>						
3903-3231	Water Account Charge Revenue	(3,525.00)	(29,160.00)	(40,000.00)	(10,840.00)	73%
3903-3233	Sewer Account Charge Revenue		(10,575.00)	(20,000.00)	(9,425.00)	53%
	<b>Total Account Charges</b>	<u>(3,525.00)</u>	<u>(39,735.00)</u>	<u>(60,000.00)</u>	<u>(20,265.00)</u>	<u>66%</u>
<b>Review Fees:</b>						
3903-3240	Engineering Review Fees	(2,600.00)	(24,891.87)	(50,000.00)	(25,108.13)	50%
3903-3242	Engineering Fire Flow Testing	(150.00)	(300.00)	(1,500.00)	(1,200.00)	20%
3903-3243	SGP Review and Inspections	(5,480.00)	(12,475.00)	(4,000.00)	8,475.00	312%
	<b>Total Review Fees</b>	<u>(8,230.00)</u>	<u>(37,666.87)</u>	<u>(55,500.00)</u>	<u>(17,833.13)</u>	<u>68%</u>
<b>Interest Earned:</b>						
3900-3250	Bank Interest Earned	5,058.41	9,464.19	(10,000.00)	(19,464.19)	(95%)
3900-3251	VRA Interest Earned		(1,394.31)		1,394.31	0%
	<b>Total Interest Earned</b>	<u>5,058.41</u>	<u>8,069.88</u>	<u>(10,000.00)</u>	<u>(18,069.88)</u>	<u>(81%)</u>
<b>Sewer Clean Outs:</b>						
3903-3245	Sewer Clean-Out Installation Fee		(9,200.00)	(7,000.00)	2,200.00	131%
	<b>Total Sewer Clean Outs</b>		<u>(9,200.00)</u>	<u>(7,000.00)</u>	<u>2,200.00</u>	<u>131%</u>
<b>Meter Installation Revenues:</b>						
3903-3250	Meter Fee Revenue	(12,300.00)	(40,375.00)	(35,000.00)	5,375.00	115%
3903-3260	Meter Base Installation Revenue	(6,100.00)	(67,460.00)	(60,000.00)	7,460.00	112%
	<b>Total Meter Installation Revenues</b>	<u>(18,400.00)</u>	<u>(107,835.00)</u>	<u>(95,000.00)</u>	<u>12,835.00</u>	<u>114%</u>
<b>Industrial Pretreatment Revenue:</b>						
3903-3255	Industrial Pretreatment Revenue		(9,124.92)	(18,000.00)	(8,875.08)	51%
	<b>Total Industrial Pretreatment Revenue</b>		<u>(9,124.92)</u>	<u>(18,000.00)</u>	<u>(8,875.08)</u>	<u>51%</u>
<b>Rent/Meter Charges:</b>						
3903-3261	Service Repairs & Equipment Rentals	(3,612.07)	(9,341.09)	(5,000.00)	4,341.09	187%
	<b>Total Rent/Meter Charges</b>	<u>(3,612.07)</u>	<u>(9,341.09)</u>	<u>(5,000.00)</u>	<u>4,341.09</u>	<u>187%</u>
<b>Misc:</b>						
3903-3262	Cellular Antenna Rental- BRWA portion	(4,131.77)	(49,058.73)	(71,124.00)	(22,065.27)	69%
3903-3264	Sewer Pump Maintenance Revenue		(27,510.00)	(63,000.00)	(35,490.00)	44%
3903-3270	Miscellaneous Revenue		(7,998.73)	(5,000.00)	2,998.73	160%
3903-3275	Revenue from Communication Towers		(7,735.00)		7,735.00	0%
	<b>Total Misc</b>	<u>(4,131.77)</u>	<u>(92,302.46)</u>	<u>(139,124.00)</u>	<u>(46,821.54)</u>	<u>66%</u>

Bedford Regional Water Auth.  
Summary of Revenue & Expenditures  
For the Nine Months Ending Thursday, March 31, 2022

	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>	
<b>Fixed Asset Disposals:</b>						
3903-3280	Sales and Disposals	(8,650.00)		8,650.00	0%	
3903-3281	Gain / Loss on Fixed Assets	(36,015.65)		36,015.65	0%	
	<b>Total Fixed Asset Disposals</b>	<b>(44,665.65)</b>		<b>44,665.65</b>	<b>0%</b>	
<b>Account Default Fees:</b>						
3901-3211	Reconnect Fee Revenue	(18,050.00)		18,050.00	0%	
3901-3212	Return Check Revenue	(1,890.00)	(2,000.00)	(110.00)	95%	
3901-3213	Unauthorized Service Revenue	(2,000.00)	(1,000.00)	1,000.00	200%	
	<b>Total Account Default Fees</b>	<b>(21,940.00)</b>	<b>(3,000.00)</b>	<b>18,940.00</b>	<b>731%</b>	
<b>Contract Reimbursements:</b>						
3201-3275	School System Operations	(8,078.58)	(37,537.83)	(51,000.00)	(13,462.17)	74%
3904-3318	Franklin County Contract Operations	(54,773.44)	(240,638.49)	(100,000.00)	140,638.49	241%
	<b>Total Contract Reimbursements</b>	<b>(62,852.02)</b>	<b>(278,176.32)</b>	<b>(151,000.00)</b>	<b>127,176.32</b>	<b>184%</b>
	Revenue from BRWA Operations	(1,756,690.81)	(11,134,023.25)	(14,470,328.00)	(3,336,304.75)	77%
<b>Capital Recovery Fees:</b>						
3000-3220	Water Capital Recovery Fees	(211,400.00)	(729,900.00)	(899,637.00)	(169,737.00)	81%
3100-3220	Sewer Capital Recovery Fees	(47,200.00)	(392,900.00)	(258,774.00)	134,126.00	152%
	<b>Total Capital Recovery Fees</b>	<b>(258,600.00)</b>	<b>(1,122,800.00)</b>	<b>(1,158,411.00)</b>	<b>(35,611.00)</b>	<b>97%</b>
<b>Cellular Antenna Site Rental-County portion:</b>						
3903-3265	Cellular Antenna Revenue- Co. portion	(2,754.51)	(36,275.79)	(47,416.00)	(11,140.21)	77%
3903-3285	Bedford County Broadband Revenue	(500.00)	(5,400.00)	(5,750.00)	(350.00)	94%
	<b>Total Cellular Antenna Site Rental-County portion</b>	<b>(3,254.51)</b>	<b>(41,675.79)</b>	<b>(53,166.00)</b>	<b>(11,490.21)</b>	<b>78%</b>
<b>BOS Capital Contributions:</b>						
3904-3310	Bedford County Debt Support	(203,093.74)	(2,000,000.00)	(2,000,000.00)		100%
	<b>Total BOS Capital Contributions</b>	<b>(203,093.74)</b>	<b>(2,000,000.00)</b>	<b>(2,000,000.00)</b>		<b>100%</b>
<b>BOS Contributions for New Development:</b>						
3904-3305	Bedford County Support-Forest Sewer		(500,000.00)	(500,000.00)		100%
	<b>Total BOS Contributions for New Development</b>		<b>(500,000.00)</b>	<b>(500,000.00)</b>		<b>100%</b>
<b>Developer Line Contributions:</b>						
3904-3315	Developer Contributions		(1,511,917.60)	(200,000.00)	1,311,917.60	756%
	<b>Total Developer Line Contributions</b>		<b>(1,511,917.60)</b>	<b>(200,000.00)</b>	<b>1,311,917.60</b>	<b>756%</b>
<b>Contributions from WVWA:</b>						
3904-3316	Contributions from WVWA	(180,000.00)	(180,000.00)		180,000.00	0%
	<b>Total Contributions from WVWA</b>	<b>(180,000.00)</b>	<b>(180,000.00)</b>		<b>180,000.00</b>	<b>0%</b>
<b>SML WTF Revenue:</b>						
3903-3330	SML WTF Revenue	(168.45)	(593.95)		593.95	0%
	<b>Total SML WTF Revenue</b>	<b>(168.45)</b>	<b>(593.95)</b>		<b>593.95</b>	<b>0%</b>
<b>Developer Prepayments Redemption Revenue:</b>						
3904-3317	Developer Capital Recovery Fee Redemption Revenue			(20,000.00)	(20,000.00)	0%
	<b>Total Developer Prepayments Redemption Revenue</b>			<b>(20,000.00)</b>	<b>(20,000.00)</b>	<b>0%</b>
	Revenue from Other Sources	(645,116.70)	(5,356,987.34)	(3,931,577.00)	1,425,410.34	136%
	<b>Total Revenue</b>	<b>(2,401,807.51)</b>	<b>(16,491,010.59)</b>	<b>(18,401,905.00)</b>	<b>(1,910,894.41)</b>	<b>90%</b>

Bedford Regional Water Auth.  
Summary of Revenue & Expenditures  
For the Nine Months Ending Thursday, March 31, 2022

	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
<b>OPERATING EXPENSES</b>					
<b>Salaries:</b>					
4000-0010	Administration Salaries	88,540.58	551,324.01	830,689.92	279,365.91 66%
4000-0019	IT Oncall Stipend	900.00	5,700.00	7,800.00	2,100.00 73%
4000-0020	Administration Overtime		212.77	1,930.42	1,717.65 11%
4002-0010	Customer Service Salaries	44,611.66	272,378.53	357,942.00	85,563.47 76%
4002-0020	Customer Service Overtime	780.82	4,991.25	18,353.05	13,361.80 27%
4003-0010	Engineering Department Salaries	89,165.51	555,193.04	648,340.80	93,147.76 86%
4003-0019	Engineering OnCall Stipend	900.00	6,000.00	7,800.00	1,800.00 77%
4003-0020	Engineering Department Overtime	3,600.62	17,774.81	35,460.44	17,685.63 50%
4004-0010	Maintenance Department Salaries	121,373.19	706,010.65	984,927.60	278,916.95 72%
4004-0019	Maintenance Oncall Stipend Expense	1,800.00	11,700.00	18,720.00	7,020.00 63%
4004-0020	Maintenance Department Overtime	6,096.31	58,304.28	149,693.62	91,389.34 39%
4005-0010	Operations Department Salaries	148,213.79	929,301.49	1,250,218.40	320,916.91 74%
4005-0019	Operations Oncall Stipend		42.86		(42.86) 0%
4005-0020	Operations Department Overtime	5,842.35	49,583.88	102,151.72	52,567.84 49%
	<b>Total Salaries</b>	<b>511,824.83</b>	<b>3,168,517.57</b>	<b>4,414,027.97</b>	<b>1,245,510.40 72%</b>
<b>General Office Expenses:</b>					
4010-0075	Board & Committee Meetings	172.48	733.55	1,000.00	266.45 73%
4010-0085	Long Range Planning		2,303.50	15,000.00	12,696.50 15%
4010-0100	Office Supplies	684.54	2,449.75	8,000.00	5,550.25 31%
4010-0103	Public Outreach Expenses	1,027.78	6,177.46	16,415.00	10,237.54 38%
4010-0110	Building Maintenance Expense	2,572.95	20,729.97	25,500.00	4,770.03 81%
4010-0130	Postage and Shipping Expense	1,003.00	4,862.70	8,000.00	3,137.30 61%
4010-0140	Commercial Phone Charges	1,123.14	7,644.71	12,600.00	4,955.29 61%
4010-0142	Cellular Phone Service	3,224.87	12,948.95	20,480.00	7,531.05 63%
4010-0150	Building Power and Utilities	3,492.99	13,981.51	16,767.00	2,785.49 83%
4010-0155	Building Fuel Costs	2,499.26	6,106.90	8,000.00	1,893.10 76%
4010-0160	Employee Bond	42.33	380.97	736.00	355.03 52%
4010-0161	Building Insurance	169.67	1,527.03	4,593.00	3,065.97 33%
4010-0170	Advertising	602.45	4,231.11	18,000.00	13,768.89 24%
4010-0175	Bank Service charges	1,001.02	11,268.17	15,600.00	4,331.83 72%
4010-0200	Accounting Services		26,354.00	30,000.00	3,646.00 88%
4010-0220	Legal Expenses	4,298.19	30,051.48	18,000.00	(12,051.48) 167%
4010-0400	Board of Directors Fees	1,750.00	16,450.00	25,200.00	8,750.00 65%
4010-0401	Board Mileage Reimbursements	27.50	159.10	3,360.00	3,200.90 5%
	<b>Total General Office Expenses</b>	<b>23,692.17</b>	<b>168,360.86</b>	<b>247,251.00</b>	<b>78,890.14 68%</b>
<b>Employee Benefit &amp; Related Expenses:</b>					
4100-0030	Payroll Taxes	36,906.29	240,058.35	335,048.00	94,989.65 72%
4100-0040	VRS Retirement and Group Life	2,658.57	214,698.33	373,918.00	159,219.67 57%
4100-0041	VRS Hybrid Disability Program	1,396.22	5,622.34	10,606.00	4,983.66 53%
4100-0050	Health Insurance	61,036.04	597,694.68	769,145.00	171,450.32 78%
4100-0055	Flexible Spending Account	469.92	2,206.96	2,500.00	293.04 88%
4100-0060	Worker's Compensation	2,971.00	15,846.00	76,523.00	60,677.00 21%
4100-0065	Employee Testing	258.00	2,862.10	4,785.00	1,922.90 60%
4100-0075	Meetings	82.56	795.67	6,445.00	5,649.33 12%
4100-0080	Professional Dues	832.00	7,213.62	22,578.00	15,364.38 32%
4100-0085	Training and Education	3,382.53	11,660.91	108,927.00	97,266.09 11%
4100-0095	Employee Referral Program	100.00	400.00		(400.00) 0%
4100-0101	Clothing and Uniforms	1,963.05	20,536.85	36,602.00	16,065.15 56%
4100-0102	Employee & Incentive Fund	198.70	19,663.32	27,500.00	7,836.68 72%
4100-0103	Safety	2,634.28	19,408.36	45,502.00	26,093.64 43%
4100-0045	Unemployment Payments			6,000.00	6,000.00 0%
4100-0070	Mileage Reimbursements			1,120.00	1,120.00 0%
4100-0086	Continuing Education			5,501.00	5,501.00 0%
4100-0090	Whistle Blower Hotline			500.00	500.00 0%
	<b>Total Employee Benefit &amp; Related Expenses</b>	<b>114,889.16</b>	<b>1,158,667.49</b>	<b>1,833,200.00</b>	<b>674,532.51 63%</b>
<b>Billing Expenses:</b>					
4110-0091	Bad Debt Expense Water		122,447.46	20,000.00	(102,447.46) 612%
4110-0093	Bad Debt Expense Sewer		103,192.40	15,000.00	(88,192.40) 688%
4110-0094	Bad Debt Expense Penalties/Misc.		57,273.48	5,000.00	(52,273.48) 1,145%
4110-0096	Bad Debt Expense- Misc A/R	5,667.65	5,667.65		(5,667.65) 0%

Bedford Regional Water Auth.  
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	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
4110-0097	Collection Agency Expense	123.97	2,175.66	1,200.00	(975.66) 181%
4110-0110	Bill Processing Services	5,409.17	58,239.54	95,332.00	37,092.46 61%
4110-0120	Customer Service Software Maintenance	446.00	47,437.67	43,070.00	(4,367.67) 110%
4110-0125	Credit Card Processing Fees	2,804.09	23,826.15	25,125.00	1,298.85 95%
4110-0175	Courier Service	435.17	3,464.87	4,230.00	765.13 82%
4110-0112	Customer Notification Expenses			5,000.00	5,000.00 0%
4110-0115	Meter Testing			1,000.00	1,000.00 0%
	<b>Total Billing Expenses</b>	<b>14,886.05</b>	<b>423,724.88</b>	<b>214,957.00</b>	<b>(208,767.88) 197%</b>
Information Systems Expenses:					
4120-0100	Information Systems Supplies	2,717.73	5,901.48	8,500.00	2,598.52 69%
4120-0110	Contracted Services (Network)	2,194.13	19,017.70	24,000.00	4,982.30 79%
4120-0115	Continuing Support (Software)	4,505.04	88,475.97	117,839.00	29,363.03 75%
4120-0145	Internet and WAN Communications	1,260.32	5,124.39	8,850.00	3,725.61 58%
	<b>Total Information Systems Expenses</b>	<b>10,677.22</b>	<b>118,519.54</b>	<b>159,189.00</b>	<b>40,669.46 74%</b>
Administration Supplies:					
4130-0100	Administration Supplies		89.46	1,000.00	910.54 9%
	<b>Total Administration Supplies</b>		<b>89.46</b>	<b>1,000.00</b>	<b>910.54 9%</b>
Customer Service Supplies:					
4140-0100	Customer Service Supplies		277.08	2,318.00	2,040.92 12%
	<b>Total Customer Service Supplies</b>		<b>277.08</b>	<b>2,318.00</b>	<b>2,040.92 12%</b>
Engineering Expenses:					
4210-0100	Engineering Supplies		6,794.95	15,438.00	8,643.05 44%
4210-0110	Engineering Reviews	752.25	13,185.16	59,800.00	46,614.84 22%
4210-0141	Locating Notification Tickets	1,292.55	5,374.95	10,270.00	4,895.05 52%
4210-0240	Construction testing		2,408.00	2,820.00	412.00 85%
	<b>Total Engineering Expenses</b>	<b>2,044.80</b>	<b>27,763.06</b>	<b>88,328.00</b>	<b>60,564.94 31%</b>
Operations Expenses:					
4220-0100	Wastewater Operations Supplies	473.38	537.26	1,600.00	1,062.74 34%
4223-0100	Water Operations Supplies		166.53		(166.53) 0%
	<b>Total Operations Expenses</b>	<b>473.38</b>	<b>703.79</b>	<b>1,600.00</b>	<b>896.21 44%</b>
Compliance Program Supplies:					
4221-0100	FROG Program Supplies		591.86	8,000.00	7,408.14 7%
	<b>Total Compliance Program Supplies</b>		<b>591.86</b>	<b>8,000.00</b>	<b>7,408.14 7%</b>
Pretreatment Expenses:					
4222-0100	Pretreatment Supplies/Expenses	1,007.64	7,868.61	19,600.00	11,731.39 40%
	<b>Total Pretreatment Expenses</b>	<b>1,007.64</b>	<b>7,868.61</b>	<b>19,600.00</b>	<b>11,731.39 40%</b>
Lab Supplies:					
4225-0100	Lab Supplies	2,239.98	18,976.02	24,000.00	5,023.98 79%
	<b>Total Lab Supplies</b>	<b>2,239.98</b>	<b>18,976.02</b>	<b>24,000.00</b>	<b>5,023.98 79%</b>
Maintenance Expenses:					
4230-0100	Maintenance Supplies	1,709.61	23,388.10	46,832.00	23,443.90 50%
	<b>Total Maintenance Expenses</b>	<b>1,709.61</b>	<b>23,388.10</b>	<b>46,832.00</b>	<b>23,443.90 50%</b>
Vehicles & Equipment Expenses:					
4240-0100	Vehicles and Equipment Supplies	5,784.05	33,469.90	32,350.00	(1,119.90) 103%
4240-0110	Vehicles and Equipment Contracted Services	17,462.40	67,671.40	85,000.00	17,328.60 80%
4240-0155	Vehicles & Equipment Fuel Costs	10,649.64	77,837.43	95,000.00	17,162.57 82%
4240-0162	Vehicles and Equipment Insurance	2,589.42	23,304.78	28,750.00	5,445.22 81%
	<b>Total Vehicles &amp; Equipment Expenses</b>	<b>36,485.51</b>	<b>202,283.51</b>	<b>241,100.00</b>	<b>38,816.49 84%</b>

Bedford Regional Water Auth.  
Summary of Revenue & Expenditures  
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	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
<b>Forest Water Expenses:</b>					
4250-0100	Forest Water Supplies	1,040.37	17,268.27	35,000.00	17,731.73 49%
4250-0110	Forest Water Contracted Services	5,761.30	19,170.39	30,000.00	10,829.61 64%
4250-0115	Forest Water System Repairs & Improvements	329.39	329.39	3,500.00	3,170.61 9%
4250-0140	Forest Water Communications	70.20	308.79	400.00	91.21 77%
4250-0150	Forest Water Power	580.47	2,841.27	6,000.00	3,158.73 47%
4250-0161	Forest Water Insurance	1,375.68	12,381.12	14,959.00	2,577.88 83%
4250-0240	Forest Water Sampling and Testing	300.00	4,594.78	15,000.00	10,405.22 31%
4250-0300	Forest Water Purchased	156,438.75	578,327.50	690,250.00	111,922.50 84%
4250-0410	Forest Water VDH Fees		25,833.00	27,232.00	1,399.00 95%
4250-0101	Forest Water Meter Installations			56,000.00	56,000.00 0%
	<b>Total Forest Water Expenses</b>	<b>165,896.16</b>	<b>661,054.51</b>	<b>878,341.00</b>	<b>217,286.49 75%</b>
<b>Well Systems Expenses:</b>					
4260-0100	Well Systems Supplies	2,494.61	6,609.21	10,400.00	3,790.79 64%
4260-0105	Well Systems Chemicals	663.47	2,893.61	3,500.00	606.39 83%
4260-0110	Well Systems Contracted Services	80.72	3,459.90	10,100.00	6,640.10 34%
4260-0150	Well Systems Power	403.30	3,771.52	5,500.00	1,728.48 69%
4260-0161	Well Systems Insurance	59.17	532.53	989.00	456.47 54%
4260-0240	Well Systems Sampling and Testing	40.00	613.90	5,000.00	4,386.10 12%
4260-0410	Well Systems VDH Fees		696.00	684.00	(12.00) 102%
4260-0101	Well Systems Meter Installations			500.00	500.00 0%
4260-0115	Well Systems Repairs & Improvements			2,000.00	2,000.00 0%
	<b>Total Well Systems Expenses</b>	<b>3,741.27</b>	<b>18,576.67</b>	<b>38,673.00</b>	<b>20,096.33 48%</b>
<b>SML Central Distribution Water System Expenses:</b>					
4265-0100	SML Central Water Distribution Supplies	260.86	5,590.62	10,000.00	4,409.38 56%
4265-0110	SML Central Water Distribution Contracted Services		10,314.28	3,000.00	(7,314.28) 344%
4265-0240	SML Central Water Distribution Sampling & Testing	100.00	1,306.00	10,000.00	8,694.00 13%
4265-0410	SML Central Water Distribution VDH Fees		4,554.00	3,680.00	(874.00) 124%
4265-0101	SML Central Water Distribution Meter Installations			6,500.00	6,500.00 0%
4265-0115	SML Central Water Distrib. Repairs & Improvements			1,000.00	1,000.00 0%
	<b>Total SML Central Distribution Water System Expenses</b>	<b>360.86</b>	<b>21,764.90</b>	<b>34,180.00</b>	<b>12,415.10 64%</b>
<b>Highpoint Facility Expenses:</b>					
4270-0100	Highpoint Facility Supplies	90.60	1,106.08	2,000.00	893.92 55%
4270-0105	Highpoint Facility Chemicals	3,116.10	3,116.10	1,000.00	(2,116.10) 312%
4270-0110	Highpoint Facility Contracted Services		4,119.15	3,200.00	(919.15) 129%
4270-0150	Highpoint Facility Power	1,269.55	9,892.27	14,000.00	4,107.73 71%
4270-0155	Highpoint Facility Fuel Costs	756.83	1,801.76	2,000.00	198.24 90%
4270-0161	Highpoint Facility Insurance	432.36	3,891.24	7,742.00	3,850.76 50%
4270-0371	Highpoint Facility Road Maintenance Fees		1,320.00	850.00	(470.00) 155%
	<b>Total Highpoint Facility Expenses</b>	<b>5,665.44</b>	<b>25,246.60</b>	<b>30,792.00</b>	<b>5,545.40 82%</b>
<b>SMLWTF Water Treatment Expenses:</b>					
4330-0100	SMLWTF Water Treatment Supplies	5,336.10	22,316.85	30,000.00	7,683.15 74%
4330-0105	SMLWTF Water Treatment Chemicals	3,661.00	34,255.88	55,000.00	20,744.12 62%
4330-0110	SMLWTF Water Treatment Contracted Services	9,236.96	88,087.54	205,000.00	116,912.46 43%
4330-0140	SMLWTF Water Treatment Communications		405.90	500.00	94.10 81%
4330-0150	SMLWTF Water Treatment Power	13,982.13	139,643.74	230,000.00	90,356.26 61%
4330-0155	SMLWTF Water Treatment Fuel Costs	454.28	1,677.10	2,000.00	322.90 84%
4330-0161	SMLWTF Water Treatment Property Insurance	642.08	5,778.72	14,994.00	9,215.28 39%
4330-0240	SMLWTF Water Treatment Sampling & Testing	903.05	2,997.68	2,000.00	(997.68) 150%
4330-0300	SML Water Quality Monitoring		7,500.00	7,500.00	7,500.00 100%
4330-0370	SMLWTF Water Treatment Raw Water Fee		25,000.00	8,800.00	(16,200.00) 284%
	<b>Total SMLWTF Water Treatment Expenses</b>	<b>34,215.60</b>	<b>327,663.41</b>	<b>555,794.00</b>	<b>228,130.59 59%</b>
<b>Central Water Distribution Expenses:</b>					
4275-0100	Central Water Supplies	(2,292.80)	26,385.46	37,500.00	11,114.54 70%
4275-0110	Central Water Contracted Services	12,799.31	46,780.41	108,700.00	61,919.59 43%
4275-0115	Central Water Repairs & Improvements	4,935.00	6,058.00	44,500.00	38,442.00 14%
4275-0155	Central Water Fuel Purchases	250.54	250.54	250.00	(0.54) 100%
4275-0240	Central Water Sampling & Testing	440.00	6,716.10	20,000.00	13,283.90 34%
4275-0410	Central Water VDH Fees		11,268.00	12,091.00	823.00 93%

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	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>	
4275-0101	Central Water Meter Installations		3,750.00	3,750.00	0%	
4275-0140	Central Water Communications		1,962.00	1,962.00	0%	
	<b>Total Central Water Distribution Expenses</b>	<b>16,132.05</b>	<b>97,458.51</b>	<b>228,753.00</b>	<b>131,294.49</b>	<b>43%</b>
Central Water Treatment Expenses:						
4276-0100	Central Water Treatment Supplies	8,532.92	29,057.52	30,000.00	942.48	97%
4276-0105	Central Water Treatment Chemicals	8,817.06	41,584.41	40,000.00	(1,584.41)	104%
4276-0110	Central Water Treatment Contracted Services	253.12	9,055.87	15,000.00	5,944.13	60%
4276-0140	Central Water Treatment Communications	84.27	504.69	1,020.00	515.31	49%
4276-0150	Central Water Treatment Power	4,236.67	25,329.50	35,000.00	9,670.50	72%
4276-0155	Central Water Treatment Fuel		1,032.05	2,000.00	967.95	52%
4276-0161	Central Water Treatment Property Insurance	1,466.41	13,197.69	10,497.00	(2,700.69)	126%
4276-0240	Central Water Treatment Sampling & Testing			1,500.00	1,500.00	0%
	<b>Total Central Water Treatment Expenses</b>	<b>23,390.45</b>	<b>119,761.73</b>	<b>135,017.00</b>	<b>15,255.27</b>	<b>89%</b>
Stewartsville Water Expenses:						
4280-0100	Stewartsville Water Supplies	181.50	1,868.65	1,000.00	(868.65)	187%
4280-0110	Stewartsville Water Contracted Services		1,325.27	2,700.00	1,374.73	49%
4280-0140	Stewartsville Water Communications	108.72	481.74	300.00	(181.74)	161%
4280-0150	Stewartsville Water Power	33.04	170.96	400.00	229.04	43%
4280-0161	Stewartsville Water Insurance	54.28	488.52	732.00	243.48	67%
4280-0240	Stewartsville Water Sampling and Testing	112.00	669.61	900.00	230.39	74%
4280-0300	Stewartsville Water Purchased	1,745.21	29,441.77	32,000.00	2,558.23	92%
4280-0410	Stewartsville Water VDH Fees		429.00	416.00	(13.00)	103%
4280-0101	Stewartsville Meter Installations			500.00	500.00	0%
4280-0115	Stewartsville Water Repairs & Improvements			2,500.00	2,500.00	0%
	<b>Total Stewartsville Water Expenses</b>	<b>2,234.75</b>	<b>34,875.52</b>	<b>41,448.00</b>	<b>6,572.48</b>	<b>84%</b>
Forest Sewer Expenses:						
4290-0100	Forest Sewer Supplies	18,392.03	51,612.59	63,600.00	11,987.41	81%
4290-0105	Forest Sewer Chemicals	10,559.64	46,844.92	87,000.00	40,155.08	54%
4290-0110	Forest Sewer Contracted Services	2,485.97	15,410.82	104,500.00	89,089.18	15%
4290-0115	Forest Sewer Repairs & Improvements		34.40	2,000.00	1,965.60	2%
4290-0140	Forest Sewer Communications	217.64	1,218.70	3,600.00	2,381.30	34%
4290-0150	Forest Sewer Power	6,384.64	28,494.77	37,200.00	8,705.23	77%
4290-0161	Forest Sewer Insurance	391.73	3,525.57	4,644.00	1,118.43	76%
4290-0350	Forest Sewer Treatment Costs	19,569.00	194,569.00	300,000.00	105,431.00	65%
4290-0155	Forest Sewer Fuel Expense			5,000.00	5,000.00	0%
4290-0240	Forest Sewer Testing			500.00	500.00	0%
	<b>Total Forest Sewer Expenses</b>	<b>58,000.65</b>	<b>341,710.77</b>	<b>608,044.00</b>	<b>266,333.23</b>	<b>56%</b>
Central Sewer Collection System Expenses:						
4291-0100	Central Sewer Supplies	1,673.34	30,151.89	70,000.00	39,848.11	43%
4291-0110	Central Sewer Coll System Contracted Services	29,011.25	41,318.39	84,500.00	43,181.61	49%
4291-0115	Central Sewer Repairs & Improvements	457.57	617.07	109,000.00	108,382.93	1%
4291-0150	Central Sewer Power	1,448.34	5,754.77	55,000.00	49,245.23	10%
4291-0155	Central Sewer Fuel Costs		1,210.65	5,000.00	3,789.35	24%
4291-0240	Central Sewer Sampling & Testing			250.00	250.00	0%
	<b>Total Central Sewer Collection System Expenses</b>	<b>32,590.50</b>	<b>79,052.77</b>	<b>323,750.00</b>	<b>244,697.23</b>	<b>24%</b>
Central Sewer Treatment Expenses:						
4293-0100	Center Sewer Treatment Supplies	4,663.76	29,448.31	73,000.00	43,551.69	40%
4293-0105	Center Sewer Treatment Chemicals	9,591.03	62,061.74	120,000.00	57,938.26	52%
4293-0110	Center Sewer Treatment Contracted Services	5,032.70	20,322.53	75,000.00	54,677.47	27%
4293-0115	Center Sewer Sludge Tipping Fees	1,166.00	20,260.40	45,000.00	24,739.60	45%
4293-0140	Center Sewer Treatment Communications	547.91	6,401.72	9,162.00	2,760.28	70%
4293-0150	Center Sewer Treatment Power	35,415.73	153,410.67	212,000.00	58,589.33	72%
4293-0155	Center Sewer Fuel		1,692.94	1,500.00	(192.94)	113%
4293-0161	Center Sewer Treatment Property Insurance	1,239.04	11,151.36	13,398.00	2,246.64	83%
4293-0240	Center Sewer Treatment Sampling & Testing	854.34	8,317.49	25,000.00	16,682.51	33%
4293-0411	Center Sewer DEQ Charges		9,529.00	9,400.00	(129.00)	101%
	<b>Total Central Sewer Treatment Expenses</b>	<b>58,510.51</b>	<b>322,596.16</b>	<b>583,460.00</b>	<b>260,863.84</b>	<b>55%</b>

Bedford Regional Water Auth.  
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	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
<b>Moneta Sewer Collection System Expenses:</b>					
4292-0100	Moneta Sewer Supplies	112.77	1,189.20	10,250.00	9,060.80 12%
4292-0110	Moneta Sewer Contracted Services	126.00	4,191.18	3,050.00	(1,141.18) 137%
4292-0140	Moneta Communications	79.16	341.87		(341.87) 0%
4292-0150	Moneta Sewer Power	1,473.96	11,253.56	13,000.00	1,746.44 87%
4292-0155	Moneta Sewer Fuel Costs		86.56	3,500.00	3,413.44 2%
4292-0105	Moneta Sewer Chemicals			2,000.00	2,000.00 0%
4292-0115	Moneta Sewer Repairs & Improvements			400.00	400.00 0%
4292-0240	Moneta Sewer Sampling & Testing			600.00	600.00 0%
	<b>Total Moneta Sewer Collection System Expenses</b>	<b>1,791.89</b>	<b>17,062.37</b>	<b>32,800.00</b>	<b>15,737.63 52%</b>
<b>Moneta Sewer Treatment Expenses:</b>					
4294-0100	Moneta Sewer Treatment Supplies	2,354.89	8,748.75	30,000.00	21,251.25 29%
4294-0105	Moneta Sewer Treatment Chemicals	303.35	7,405.38	12,000.00	4,594.62 62%
4294-0110	Moneta Sewer Contracted Services	7,115.95	14,261.23	35,000.00	20,738.77 41%
4294-0115	Moneta Sewer Sludge Tipping Fees	349.00	3,428.00	15,000.00	11,572.00 23%
4294-0140	Moneta Sewer Treatment Communications	136.60	2,216.96	1,980.00	(236.96) 112%
4294-0150	Moneta Sewer Treatment Power	3,608.01	28,827.46	39,285.00	10,457.54 73%
4294-0155	Moneta Sewer Fuel	789.80	1,790.64	350.00	(1,440.64) 512%
4294-0161	Moneta Sewer Treatment Property Insurance	485.61	4,370.49	6,447.00	2,076.51 68%
4294-0240	Moneta Sewer Treatment Sampling & Testing	1,765.50	5,140.96	20,000.00	14,859.04 26%
4294-0411	Moneta Sewer DEQ Charges		2,940.00	3,000.00	60.00 98%
	<b>Total Moneta Sewer Treatment Expenses</b>	<b>16,908.71</b>	<b>79,129.87</b>	<b>163,062.00</b>	<b>83,932.13 49%</b>
<b>Montvale Sewer Expenses:</b>					
4295-0100	Montvale Sewer Supplies	1,423.42	1,877.81	15,000.00	13,122.19 13%
4295-0105	Montvale Sewer Chemicals	303.35	869.55	1,500.00	630.45 58%
4295-0110	Montvale Sewer Contracted Services		7,289.81	15,000.00	7,710.19 49%
4295-0140	Montvale Communications	21.04	94.83	300.00	205.17 32%
4295-0150	Montvale Sewer Power	30.65	242.79	360.00	117.21 67%
4295-0161	Montvale Sewer Insurance	68.56	617.04	808.00	190.96 76%
4295-0240	Montvale Sewer Sampling & Testing	18.00	136.80	14,000.00	13,863.20 1%
4295-0411	Montvale Sewer DEQ charges		2,353.00	2,400.00	47.00 98%
4295-0155	Montvale Sewer Fuel Costs			250.00	250.00 0%
	<b>Total Montvale Sewer Expenses</b>	<b>1,865.02</b>	<b>13,481.63</b>	<b>49,618.00</b>	<b>36,136.37 27%</b>
<b>Mariners Landing Sewer Expenses:</b>					
4340-0100	Mariners Landing Sewer Supplies	4,571.73	26,267.36	25,000.00	(1,267.36) 105%
4340-0110	Mariners Landing Sewer Contracted Services	664.90	21,343.71	40,000.00	18,656.29 53%
4340-0140	Mariners Landing Sewer Communication	78.56	12,202.01	300.00	(11,902.01) 4,067%
4340-0150	Mariners Landing Sewer Power	2,286.45	16,844.33	24,159.00	7,314.67 70%
4340-0105	Mariners Landing Sewer Chemicals			4,500.00	4,500.00 0%
4340-0155	Mariners Landing Sewer Fuel Costs			4,200.00	4,200.00 0%
4340-0161	Mariners Landing Sewer Property Insurance			1,727.00	1,727.00 0%
4340-0240	Mariners Landing Sewer Sampling & Testing			2,400.00	2,400.00 0%
4340-0411	Mariners Landing Sewer DEQ Permit Fees			2,400.00	2,400.00 0%
	<b>Total Mariners Landing Sewer Expenses</b>	<b>7,601.64</b>	<b>76,657.41</b>	<b>104,686.00</b>	<b>28,028.59 73%</b>
<b>Cedar Rock Sewer Expenses:</b>					
4350-0100	Cedar Rock Sewer Supplies	8.10	1,948.03	15,000.00	13,051.97 13%
4350-0105	Cedar Rock Sewer Chemicals	303.35	869.55	700.00	(169.55) 124%
4350-0110	Cedar Rock Sewer Contracted Services		6,265.65	20,000.00	13,734.35 31%
4350-0140	Cedar Rock Sewer Communication	139.36	620.10	800.00	179.90 78%
4350-0150	Cedar Rock Sewer Power	1,002.08	6,696.03	5,100.00	(1,596.03) 131%
4350-0161	Cedar Rock Sewer Property Insurance	7.42	66.78	170.00	103.22 39%
4350-0240	Cedar Rock Sewer Sampling & Testing	18.00	305.33	1,000.00	694.67 31%
4350-0411	Cedar Rock Sewer DEQ Permit Fees		2,353.00	2,400.00	47.00 98%
4350-0155	Cedar Rock Sewer Fuel Costs			600.00	600.00 0%
	<b>Total Cedar Rock Sewer Expenses</b>	<b>1,478.31</b>	<b>19,124.47</b>	<b>45,770.00</b>	<b>26,645.53 42%</b>
<b>Paradise Point Water Expenses:</b>					
4360-0100	Paradise Point Supplies	13.99	13.99	2,000.00	1,986.01 1%
4360-0110	Paradise Point Contracted Services		3,584.00	5,000.00	1,416.00 72%
4360-0140	Paradise Point Communications		3,425.34	300.00	(3,125.34) 1,142%
4360-0150	Paradise Point electric	184.92	986.35	5,000.00	4,013.65 20%

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	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>	
4360-0240	Paradise Point Sampling and Testing	20.00	454.76	2,000.00	1,545.24	23%
4360-0410	Paradise Point VDH Fees		72.00	63.00	(9.00)	114%
4360-0105	Paradise Point Chemicals			5,000.00	5,000.00	0%
4360-0155	Paradise Point Fuel Costs			100.00	100.00	0%
	<b>Total Paradise Point Water Expenses</b>	<b>218.91</b>	<b>8,536.44</b>	<b>19,463.00</b>	<b>10,926.56</b>	<b>44%</b>
<b>Schools Sewer Expenses:</b>						
4300-0100	Schools Operations Supplies	61.26	2,503.17	10,000.00	7,496.83	25%
4300-0105	Schools Chemicals	303.35	2,084.25	10,000.00	7,915.75	21%
4300-0110	Schools Contracted Services		800.00	15,000.00	14,200.00	5%
4300-0240	Schools Sampling and Testing	2,920.88	8,082.76	7,000.00	(1,082.76)	115%
	<b>Total Schools Sewer Expenses</b>	<b>3,285.49</b>	<b>13,470.18</b>	<b>42,000.00</b>	<b>28,529.82</b>	<b>32%</b>
<b>Mariners Landing Water Expenses:</b>						
4315-0100	Mariners Landing Water Expenses		93.52		(93.52)	0%
4315-0110	Mariners Landing Water Contracted Services	375.00	837.78		(837.78)	0%
4315-0140	Mariners Landing Water Communications	90.23	405.85		(405.85)	0%
4315-0150	Mariners Landing Water Power	64.02	540.89		(540.89)	0%
4315-0240	Mariners Landing Sampling Expenses	404.00	1,908.64		(1,908.64)	0%
	<b>Total Mariners Landing Water Expenses</b>	<b>933.25</b>	<b>3,786.68</b>		<b>(3,786.68)</b>	<b>0%</b>
<b>Franklin County Operations:</b>						
4320-0100	Franklin County Supplies	4,850.24	12,592.69	12,000.00	(592.69)	105%
4320-0105	Franklin County Chemicals	2,594.07	7,937.07	12,000.00	4,062.93	66%
4320-0240	Franklin County Sampling & Testing		4,144.23	15,000.00	10,855.77	28%
	<b>Total Franklin County Operations</b>	<b>7,444.31</b>	<b>24,673.99</b>	<b>39,000.00</b>	<b>14,326.01</b>	<b>63%</b>
<b>BRWA&amp;EDA Contributions for Development:</b>						
4600-0100	BRWA and EDA Contributions for Development		162,450.00		(162,450.00)	0%
	<b>Total BRWA&amp;EDA Contributions for Development</b>		<b>162,450.00</b>		<b>(162,450.00)</b>	<b>0%</b>
	<b>Total Operating Expenditures</b>	<b>1,162,196.12</b>	<b>7,787,866.42</b>	<b>11,256,053.97</b>	<b>3,468,187.55</b>	<b>69%</b>
<b>Depreciation:</b>						
4400-0810	Office Depreciation		85,688.25	151,840.00	66,151.75	56%
4400-0811	Information Systems Depreciation		33,778.07	48,933.00	15,154.93	69%
4400-0812	Vehicles and Equipment Depreciation		198,403.49	147,568.00	(50,835.49)	134%
4400-0813	Forest Water Depreciation		502,253.66	573,566.00	71,312.34	88%
4400-0814	Lakes Water Depreciation		22,253.84	26,316.00	4,062.16	85%
4400-0815	SML Central Depreciation		267,785.70	329,609.00	61,823.30	81%
4400-0816	Stewartsville Water Depreciation		32,596.80	48,895.00	16,298.20	67%
4400-0817	Forest Sewer Depreciation		381,767.89	511,568.00	129,800.11	75%
4400-0818	Montvale Sewer Depreciation		54,919.28	80,336.00	25,416.72	68%
4400-0819	Amortization Expense		362.24	1,000.00	637.76	36%
4400-0820	Studies Depreciation Expense		17,297.28	35,410.00	18,112.72	49%
4400-0821	Moneta Sewer Depreciation		298,726.00	444,330.00	145,604.00	67%
4400-0822	Central Sewer Depreciation		336,767.96	415,564.00	78,796.04	81%
4400-0823	Center Water Depreciation		284,457.90	438,551.00	154,093.10	65%
4400-0824	SML Water Treatment Facility Depreciation		539,651.52	3,992.00	(535,659.52)	13,518%
4400-0825	Mariners Landing Sewer Depreciation		40,971.12		(40,971.12)	0%
	<b>Total Depreciation</b>		<b>3,097,681.00</b>	<b>3,257,478.00</b>	<b>159,797.00</b>	<b>95%</b>
<b>Loan Issuance Costs:</b>						
4500-0600	Loan Issuance Costs		15,600.00		(15,600.00)	0%
	<b>Total Loan Issuance Costs</b>		<b>15,600.00</b>		<b>(15,600.00)</b>	<b>0%</b>
<b>Lynchburg Debt Service Paid:</b>						
4500-0640	Lynchburg Sewer Interest			1,842.00	1,842.00	0%
	<b>Total Lynchburg Debt Service Paid</b>			<b>1,842.00</b>	<b>1,842.00</b>	<b>0%</b>

Bedford Regional Water Auth.  
 Summary of Revenue & Expenditures  
 For the Nine Months Ending Thursday, March 31, 2022

	<u>Month</u>	<u>FY 21-22 YTD</u>	<u>FY 21-22 Budget</u>	<u>Remaining On Budget</u>	<u>Goal: 75%</u>
2012 VRA Interest:					
4500-0645 VRA 2012 Interest (2005 refunding)	41,512.50	102,115.63	102,116.00	0.37	100%
Total 2012 VRA Interest	<u>41,512.50</u>	<u>102,115.63</u>	<u>102,116.00</u>	<u>0.37</u>	<u>100%</u>
2014 VRA Interest:					
4500-0660 VRA 2014 Interest (2005 Refunding)	38,640.63	77,281.26	77,281.00	(0.26)	100%
Total 2014 VRA Interest	<u>38,640.63</u>	<u>77,281.26</u>	<u>77,281.00</u>	<u>(0.26)</u>	<u>100%</u>
2015 VRA Interest:					
4500-0665 VRA 2015 Interest	508,846.88	1,034,090.63	1,034,091.00	0.37	100%
Total 2015 VRA Interest	<u>508,846.88</u>	<u>1,034,090.63</u>	<u>1,034,091.00</u>	<u>0.37</u>	<u>100%</u>
Assumed Debt from City:					
4500-0650 Assumed Debt from Town- Interest		72,548.71	72,881.00	332.29	100%
Total Assumed Debt from City		<u>72,548.71</u>	<u>72,881.00</u>	<u>332.29</u>	<u>100%</u>
VRA 2019 Interest:					
4500-0670 VRA 2019 Refunding Interest	24,471.88	72,134.38	72,134.00	(0.38)	100%
Total VRA 2019 Interest	<u>24,471.88</u>	<u>72,134.38</u>	<u>72,134.00</u>	<u>(0.38)</u>	<u>100%</u>
VRA 2020 Interest (ESCO project):					
4500-0675 VRA 2020 Interest (ESCO)	69,425.01	143,334.39	143,334.00	(0.39)	100%
Total VRA 2020 Interest (ESCO project)	<u>69,425.01</u>	<u>143,334.39</u>	<u>143,334.00</u>	<u>(0.39)</u>	<u>100%</u>
Total Interest and Debt Service	682,896.90	1,517,105.00	1,503,679.00	(13,426.00)	101%
Total Exp., Depr. and Debt Service	1,845,093.02	12,402,652.42	16,017,210.97	3,614,558.55	77%
Total Revenues Less Oper Expense	<u>(556,714.49)</u>	<u>(4,088,358.17)</u>	<u>(2,384,694.03)</u>	<u>1,703,664.14</u>	<u>171%</u>
Gross Cash Before Capital Exp	<u>(556,714.49)</u>	<u>(4,088,358.17)</u>	<u>(2,384,694.03)</u>	<u>1,703,664.14</u>	<u>171%</u>
Less non-debt Capital Contributions	<u>(180,168.45)</u>	<u>(1,692,511.55)</u>	<u>(220,000.00)</u>	<u>1,472,511.55</u>	<u>769%</u>
Earnings/(loss) before BRWA Capital Outlays	<u><u>(376,546.04)</u></u>	<u><u>(2,395,846.62)</u></u>	<u><u>(2,164,694.03)</u></u>	<u><u>231,152.59</u></u>	<u><u>111%</u></u>

## BRWA Cash Flow Analysis- Truist Checking Account

Description	July-21	August-21	September-21	October-21	November-21	December-21	January-22	February-22	March-22	April-22	May-22	June-22	YTD Total
<b>Starting Balance</b>	\$ 3,631,630.74	\$ 2,856,981.44	\$ 1,840,822.24	\$ 2,407,964.11	\$ 2,290,751.13	\$ 1,973,008.96	\$ 2,207,641.86	\$ 2,674,904.62	\$ 1,980,489.91				
<b>DEBITS</b>													
<b>Debits from Operations</b>													
Capital Contributions/Asset Sales and Dispos:	\$ 13,200.00	\$ 19,900.00	\$ 6,965.65	\$ -	\$ 4,000.00	\$ 4,600.00	\$ 500,000.00	\$ -	\$ 9,127.00				\$ 557,792.65
Cash From Operations	\$ 1,276,377.31	\$ 1,505,069.29	\$ 1,288,593.56	\$ 1,552,363.17	\$ 1,273,549.59	\$ 1,457,042.25	\$ 1,192,936.08	\$ 1,181,417.35	\$ 1,407,911.10				\$ 12,135,259.70
<b>Total Cash from Operations:</b>	\$ 1,289,577.31	\$ 1,524,969.29	\$ 1,295,559.21	\$ 1,552,363.17	\$ 1,277,549.59	\$ 1,461,642.25	\$ 1,692,936.08	\$ 1,181,417.35	\$ 1,417,038.10	\$ -	\$ -	\$ -	\$ 12,693,052.35
<b>Debits from Non-Operating Sources</b>													
County CIP & Debt Service	\$ -	\$ -	\$ 1,796,906.26	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 203,093.74				\$ 2,000,000.00
Transfers from Reserve Accounts	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,066.45	\$ -	\$ -	\$ -				\$ 17,066.45
Transfers from SNAP Project Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 977,237.95	\$ -	\$ 573,750.62	\$ -				\$ 1,550,988.57
Transfers from Escrow Account	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers from Capital & Replacement Fund	\$ -	\$ -	\$ 609,728.62	\$ -	\$ -	\$ -	\$ -	\$ 42,816.67	\$ -				\$ 652,545.29
Transfers in Deposit Refund Program Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers from Economic Dev. Fund	\$ -	\$ -	\$ 162,450.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ 162,450.00
Transfers In Debt Service Fund	\$ -	\$ -	\$ 1,569,153.13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 479,803.16				\$ 2,048,956.29
<b>Total Cash from Non Operating:</b>	\$ -	\$ -	\$ 4,138,238.01	\$ -	\$ -	\$ 994,304.40	\$ -	\$ 616,567.29	\$ 682,896.90	\$ -	\$ -	\$ -	\$ 6,432,006.60
<b>Total Debits (Oper. and Non-Oper.)</b>	\$ 1,289,577.31	\$ 1,524,969.29	\$ 5,433,797.22	\$ 1,552,363.17	\$ 1,277,549.59	\$ 2,455,946.65	\$ 1,692,936.08	\$ 1,797,984.64	\$ 2,099,935.00	\$ -	\$ -	\$ -	\$ 19,125,058.95
<b>CREDITS</b>													
<b>Credits for Operating Expenditures</b>													
	\$ 682,335.18	\$ 1,000,228.05	\$ 872,986.17	\$ 799,043.02	\$ 1,101,881.11	\$ 701,612.94	\$ 670,764.95	\$ 903,085.75	\$ 1,030,944.88				\$ 7,762,882.05
<b>Credits for Non-Operating Expenditures</b>													
Payments on Capital Projects	\$ 1,043,950.10	\$ 1,067,094.39	\$ 308,072.25	\$ 635,479.77	\$ 230,177.32	\$ 1,195,994.20	\$ 243,196.76	\$ 986,669.82	\$ 560,789.78				\$ 6,271,424.39
Payments on Debt Service	\$ 36,108.00	\$ 138,872.72	\$ 3,366,059.39	\$ 332.71	\$ -	\$ -	\$ -	\$ 392,765.50	\$ 682,896.90				\$ 4,617,035.22
Transfers to Debt Service Account	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00				\$ 1,800,000.00
Transfers to Capital Account	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers to Replacement Fund	\$ 101,833.33	\$ 134,933.33	\$ 99,780.98	\$ 14,964.09	\$ 63,233.33	\$ 113,828.33	\$ 101,833.33	\$ -	\$ 102,342.46				\$ 732,749.18
Transfers to Deposit Refund Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers to Investment Account	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers to Escrow Account	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Transfers to SML WTF Depreciation Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Payments/Transfers to Economic Development Fund	\$ -	\$ -	\$ 19,756.56	\$ 19,756.56	\$ -	\$ 9,878.28	\$ 9,878.28	\$ 9,878.28	\$ 9,878.28				\$ 79,026.24
<b>Total Non-Operating Expenditures:</b>	\$ 1,381,891.43	\$ 1,540,900.44	\$ 3,993,669.18	\$ 870,533.13	\$ 493,410.65	\$ 1,519,700.81	\$ 554,908.37	\$ 1,589,313.60	\$ 1,555,907.42	\$ -	\$ -	\$ -	\$ 13,500,235.03
<b>Total Credits (Oper. and Non-Oper.)</b>	\$ 2,064,226.61	\$ 2,541,128.49	\$ 4,866,655.35	\$ 1,669,576.15	\$ 1,595,291.76	\$ 2,221,313.75	\$ 1,225,673.32	\$ 2,492,399.35	\$ 2,586,852.30	\$ -	\$ -	\$ -	\$ 21,263,117.08
<b>Ending Cash Balance</b>	\$ 2,856,981.44	\$ 1,840,822.24	\$ 2,407,964.11	\$ 2,290,751.13	\$ 1,973,008.96	\$ 2,207,641.86	\$ 2,674,904.62	\$ 1,980,489.91	\$ 1,493,572.61	\$ -	\$ -	\$ -	



# COMMITTEE MEETING SUMMARY

**To:** Finance Committee  
**From:** Jill Underwood, Director of Finance  
**Date:** March 24, 2022  
**Re:** Summary of March 23<sup>rd</sup> Meeting

A meeting of the Finance Committee of the Bedford Regional Water Authority was held on **March 23, 2022 at 3:00 p.m.** in the **Board Room** of the Authority located in the **Annex** building at **1723 Falling Creek Road in Bedford County**. Due to COVID-19, only Committee members and staff joined the meeting in person; everyone had the option of joining the meeting virtually via Zoom in the following ways:

Online (video):

<https://us02web.zoom.us/j/81336266112?pwd=S0Y5U1RkZ21Lc1hFMDZHZjc3UFBPQT09>

Meeting ID: 813 3626 6112, Passcode: TUP2sR

Members Present:

Thomas Segroves  
Kevin Mele (virtually)

Staff Present:

Brian Key, Executive Director  
Rhonda English, Director of Engineering  
Jill Underwood, Director of Finance  
Nathan Carroll, Assistant Executive Director

The following items were discussed:

1. Call to Order

The meeting was called to order at 3:04 p.m.

2. Review Draft FY 2022-2023 Budget

Ms. Underwood reviewed the preliminary budget document; the document has changed to a few accounts; the changes are highlighted yellow. Two changes occurred on revenue and four on expenses. These changes resulted in a difference of \$55,675 from the previous draft budget. With these changes, there is now \$912,676 available for capital. The committee reviewed a projection of funds available for capital next year as well, which is projected to be much leaner largely due to debt. (The committee briefly discussed capital versus capital reserve set-asides and how each fund is used.) Ms. Underwood reviewed the debts that are soon coming off the books or to the books. The timing of the first payment for the Ivy Creek Sewer Interceptor has a significant impact on available capital next year. Capital recovery fees are projected to be over budget this year, so there are two CIP lists provided for FY 24; one list utilizes only \$912,676, and the secondary list uses an additional \$300,000 in

**To:** Finance Committee  
**From:** Jill Underwood, Director of Finance  
**Date:** March 24, 2022  
**Re:** Notice and Agenda

---

anticipated excess capital recovery fees from FY 2022. CIP projects can be held or delayed if the funds do not come in as expected. The committee agreed with the approval of both groups of projects, contingent upon the receipt of the extra capital recovery fees prior to the end of the fiscal year.

3. Review Draft Capital Improvement Plan (CIP)

The table within the document showing projects proposed for additional funding would all be pulled into FY 23. Mr. Mele asked Ms. Underwood to explain Residual Funds as shown in the CIP document. It is a combination of over-borrowing and great interest rates for borrowing and investing while the project was under construction. We have quite a bit of carryover from FY 22 due to supply chain issues related to COVID. Staff have spent a lot of time refining the list and narrowing it down to the critical projects list necessary for operating. Mr. Key emphasized the magnitude of capital needs and the need to continue generating additional revenue each year through rate increases following the 10-year equalization period. He also mentioned operating enhancements that will help save money in coming years, such as the Central Wastewater Treatment Plant Energy Savings Performance Contract (ESPC) and some reduction in operating expenses related to the Ivy Creek Sewer Interceptor replacing the Lake Vista Lift Station. Mr. Mele asked about the consideration of solar power in the ESPC and Mr. Carroll explained the site that would benefit the most from solar power, which is the Smith Mountain Lake Water Treatment Plant.

4. Other business

Ms. Underwood reviewed the rate advertisement schedule and received a recommendation from the committee to move forward with a resolution at the April board meeting to approve the rates as advertised. The next meeting scheduled for April 27<sup>th</sup> will be used for financial and customer service policies.

5. Motion to Adjourn

The meeting adjourned at 4:03 p.m.



1723 Falling Creek Road  
Bedford, VA 24523-3137  
(540) 586-7679 (phone)  
(540) 586-5805 (fax)  
[www.brwa.com](http://www.brwa.com)

## RESOLUTION MEMORANDUM

**To:** BRWA Board of Directors  
**From:** Jill Underwood, Director of Finance  
**Date:** April 4, 2022  
**Re:** Resolution 2022-04.01 – Rate Adjustment

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Attached is the above stated resolution for your consideration.

This resolution is necessary to adopt the rates and support the FY 2023 operating budget, which will be presented and approved later in the agenda.

A copy of the advertisement showing the proposed rate changes is attached to this resolution; if approved, the corresponding rate policy will be revised to reflect these rate changes.

**Water Rates - Fixed Charges & Commodity Charges**

*Note: The Fixed Charges are Listed on a Monthly Basis*

	FY22	FY23	FY24
<b>County - Fixed Charges</b>			
5/8" meter	\$ 24.00	\$ 25.00	\$ 26.00
3/4" meter	\$ 34.00	\$ 35.50	\$ 37.00
1" meter	\$ 53.00	\$ 56.50	\$ 60.00
1.5" meter	\$ 90.00	\$ 97.00	\$ 104.00
2" meter	\$ 130.00	\$ 150.00	\$ 167.00
3" meter	\$ 240.00	\$ 280.00	\$ 312.00
4" meter	\$ 390.00	\$ 460.00	\$ 520.00
6" meter	\$ 780.00	\$ 910.00	\$ 1,040.00
8" meter	\$1,240.00	\$1,470.00	\$ 1,690.00
10" meter	\$2,070.00	\$2,470.00	\$ 2,860.00
<b>ITR - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 24.00	\$ 25.00	\$ 26.00
3/4" meter	\$ 34.00	\$ 35.50	\$ 37.00
1" meter	\$ 53.00	\$ 56.50	\$ 60.00
1.5" meter	\$ 90.00	\$ 97.00	\$ 104.00
<b>ITC &amp; ITI - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 24.00	\$ 25.00	\$ 26.00
3/4" meter	\$ 34.00	\$ 35.50	\$ 37.00
1" meter	\$ 53.00	\$ 56.50	\$ 60.00
1.5" meter	\$ 90.00	\$ 97.00	\$ 104.00
2" meter	\$ 150.00	\$ 160.00	\$ 167.00
3" meter	\$ 300.00	\$ 310.00	\$ 312.00
4" meter	\$ 500.00	\$ 510.00	\$ 520.00
6" meter	\$1,070.00	\$1,060.00	\$ 1,040.00
<b>ATR - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 25.00	\$ 25.50	\$ 26.00
3/4" meter	\$ 37.00	\$ 37.00	\$ 37.00
1" meter	\$ 56.00	\$ 58.00	\$ 60.00
1.5" meter	\$ 97.00	\$ 100.50	\$ 104.00
<b>ATC - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 28.00	\$ 27.00	\$ 26.00
3/4" meter	\$ 40.00	\$ 39.00	\$ 37.00
1" meter	\$ 56.00	\$ 58.00	\$ 60.00
1.5" meter	\$ 103.00	\$ 104.00	\$ 104.00
2" meter	\$ 162.00	\$ 165.00	\$ 167.00
3" meter	\$ 335.00	\$ 324.00	\$ 312.00
4" meter	\$ 553.00	\$ 537.00	\$ 520.00
6" meter	\$1,086.00	\$1,063.00	\$ 1,040.00

**Water Rates - Fixed Charges & Commodity Charges**

*Note: The Fixed Charges are Listed on a Monthly Basis*

	FY22	FY23	FY24
<b>County - Commodity Charges</b>			
Residential and Commercial	\$ 5.80	\$ 6.00	\$ 6.20
Industrial	\$ 5.30	\$ 5.50	\$ 5.70
<b>ITR - Commodity Charges</b>			
First 3,000	\$ 4.80	\$ 5.50	\$ 6.20
Next 7,000 (up to 10,000)	\$ 4.80	\$ 5.50	\$ 6.20
All over 10,000	\$ 4.80	\$ 5.50	\$ 6.20
<b>ITC - Commodity Charges</b>			
First 3,000	\$ 4.80	\$ 5.50	\$ 6.20
Next 7,000 (up to 10,000)	\$ 4.80	\$ 5.50	\$ 6.20
Next 30,000 (up to 40,000)	\$ 4.80	\$ 5.50	\$ 6.20
Next 60,000 (up to 100,000)	\$ 4.80	\$ 5.50	\$ 6.20
Next 100,000 (up to 200,000)	\$ 4.80	\$ 5.50	\$ 6.20
All over 200,000	\$ 4.80	\$ 5.50	\$ 6.20
<b>ITI - Commodity Charges</b>			
First 600,000	\$ 4.70	\$ 5.20	\$ 5.70
All over 600,000	\$ 4.70	\$ 5.20	\$ 5.70
<b>ATR - Commodity Charges</b>			
First 3,000	\$ 4.80	\$ 5.50	\$ 6.20
Next 7,000 (up to 10,000)	\$ 4.80	\$ 5.50	\$ 6.20
All over 10,000	\$ 4.80	\$ 5.50	\$ 6.20
<b>ATC - Commodity Charges</b>			
First 3,000	\$ 5.20	\$ 5.70	\$ 6.20
Next 7,000 (up to 10,000)	\$ 5.20	\$ 5.70	\$ 6.20
Next 30,000 (up to 40,000)	\$ 5.20	\$ 5.70	\$ 6.20
Next 60,000 (up to 100,000)	\$ 5.20	\$ 5.70	\$ 6.20
Next 100,000 (up to 200,000)	\$ 5.20	\$ 5.70	\$ 6.20
All over 200,000	\$ 5.20	\$ 5.70	\$ 6.20
<b>ATI - Commodity Charges</b>			
First 600,000	\$ 5.30	\$ 5.50	\$ 5.70
All over 600,000	\$ 5.30	\$ 5.50	\$ 5.70
<b>Capital Recovery Fee</b>			
5/8" meter	\$ 5,000	\$ 5,000	\$ 5,000
3/4" meter	\$ 6,400	\$ 7,000	\$ 7,000
1" meter	\$ 10,700	\$ 12,000	\$ 12,000
1.5" meter	\$ 17,400	\$ 20,000	\$ 20,000
2" meter	\$ 28,000	\$ 32,000	\$ 32,000
3" meter	\$ 52,000	\$ 60,000	\$ 60,000
4" meter	\$ 86,700	\$ 100,000	\$ 100,000
6" meter	\$ 173,400	\$ 200,000	\$ 200,000

**Sewer Rates - Fixed Charges & Commodity Charges**

Note: The Fixed Charges are Listed on a Monthly Basis

	FY22	FY23	FY24
<b>County - Fixed Charges</b>			
5/8" meter	\$ 24.00	\$ 25.00	\$ 26.00
3/4" meter	\$ 31.00	\$ 34.00	\$ 37.00
1" meter	\$ 48.00	\$ 54.00	\$ 60.00
1.5" meter	\$ 82.00	\$ 93.00	\$ 104.00
2" meter	\$ 130.00	\$ 148.50	\$ 167.00
3" meter	\$ 230.00	\$ 271.00	\$ 312.00
4" meter	\$ 380.00	\$ 450.00	\$ 520.00
6" meter	\$ 760.00	\$ 900.00	\$ 1,040.00
8" meter	\$ 1,210.00	\$ 1,450.00	\$ 1,690.00
10" meter	\$ 2,010.00	\$ 2,435.00	\$ 2,860.00
<b>ITR - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 28.00	\$ 27.00	\$ 26.00
3/4" meter	\$ 35.00	\$ 36.00	\$ 37.00
1" meter	\$ 55.00	\$ 58.00	\$ 60.00
1.5" meter	\$ 89.00	\$ 97.00	\$ 104.00
<b>ITC &amp; ITI - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 27.00	\$ 27.00	\$ 26.00
3/4" meter	\$ 37.00	\$ 37.00	\$ 37.00
1" meter	\$ 55.00	\$ 58.00	\$ 60.00
1.5" meter	\$ 89.00	\$ 97.00	\$ 104.00
2" meter	\$ 148.00	\$ 158.00	\$ 167.00
3" meter	\$ 247.00	\$ 280.00	\$ 312.00
4" meter	\$ 412.00	\$ 466.00	\$ 520.00
6" meter	\$ 810.00	\$ 925.00	\$ 1,040.00
<b>ATR - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 29.00	\$ 28.00	\$ 26.00
3/4" meter	\$ 37.00	\$ 37.00	\$ 37.00
1" meter	\$ 57.00	\$ 59.00	\$ 60.00
1.5" meter	\$ 90.00	\$ 97.00	\$ 104.00
<b>ATC - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 27.00	\$ 26.50	\$ 26.00
3/4" meter	\$ 38.00	\$ 37.50	\$ 37.00
1" meter	\$ 58.00	\$ 59.00	\$ 60.00
1.5" meter	\$ 92.00	\$ 98.00	\$ 104.00
2" meter	\$ 140.00	\$ 153.50	\$ 167.00
3" meter	\$ 252.00	\$ 282.00	\$ 312.00
4" meter	\$ 415.00	\$ 467.50	\$ 520.00
6" meter	\$ 814.00	\$ 927.00	\$ 1,040.00
<b>Cedar Rock - Fixed Charges - (Starting in 2019)</b>			
5/8" meter	\$ 70.00	\$ 70.00	\$ 70.00

**Sewer Rates - Fixed Charges & Commodity Charges**

Note: The Fixed Charges are Listed on a Monthly Basis

	FY22	FY23	FY24
<b>Mariners - Fixed Charges - (Fixed Plus Minimum in FY14)</b>			
5/8" meter	\$ 33.00	\$ 33.00	\$ 33.00
3/4" meter	\$ 47.00	\$ 47.00	\$ 47.00
1" meter	\$ 76.00	\$ 76.00	\$ 76.00
1.5" meter	\$ 132.00	\$ 132.00	\$ 132.00
<b>County - Commodity Charges</b>			
Residential and Commercial	\$ 7.70	\$ 8.00	\$ 8.20
Industrial	\$ 7.20	\$ 7.40	\$ 7.60
<b>ITR - Commodity Charges</b>			
First 3,000	\$ 5.90	\$ 7.10	\$ 8.20
Next 7,000 (up to 10,000)	\$ 7.20	\$ 7.70	\$ 8.20
All over 10,000	\$ 7.20	\$ 7.70	\$ 8.20
<b>ITC - Commodity Charges</b>			
First 3,000	\$ 6.00	\$ 7.10	\$ 8.20
Next 7,000 (up to 10,000)	\$ 7.80	\$ 8.00	\$ 8.20
Next 30,000 (up to 40,000)	\$ 7.80	\$ 8.00	\$ 8.20
Next 60,000 (up to 100,000)	\$ 7.80	\$ 8.00	\$ 8.20
Next 100,000 (up to 200,000)	\$ 7.80	\$ 8.00	\$ 8.20
All over 200,000	\$ 7.80	\$ 8.00	\$ 8.20
<b>ITI - Commodity Charges</b>			
Minimum 400,000	\$ 6.80	\$ 7.20	\$ 7.60
All over 600,000	\$ 6.50	\$ 7.10	\$ 7.60
<b>ATR - Commodity Charges</b>			
First 3,000	\$ 6.10	\$ 7.00	\$ 8.20
Next 7,000 (up to 10,000)	\$ 7.90	\$ 8.10	\$ 8.20
All over 10,000	\$ 7.90	\$ 8.10	\$ 8.20
<b>ATC - Commodity Charges</b>			
First 3,000	\$ 7.40	\$ 7.80	\$ 8.20
Next 7,000 (up to 10,000)	\$ 8.30	\$ 8.30	\$ 8.20
Next 30,000 (up to 40,000)	\$ 8.30	\$ 8.30	\$ 8.20
Next 60,000 (up to 100,000)	\$ 8.30	\$ 8.30	\$ 8.20
Next 100,000 (up to 200,000)	\$ 8.30	\$ 8.30	\$ 8.20
All over 200,000	\$ 8.30	\$ 8.30	\$ 8.20
<b>ATI - Commodity Charges</b>			
Minimum 400,000	\$ 7.20	\$ 7.40	\$ 7.60
All over 600,000	\$ 7.20	\$ 7.40	\$ 7.60
<b>Capital Recovery Fee</b>			
5/8" meter	\$ 5,900	\$ 5,900	\$ 5,900
3/4" meter	\$ 9,000	\$ 9,000	\$ 9,000
1" meter	\$ 14,000	\$ 14,000	\$ 14,000
1.5" meter	\$ 24,000	\$ 24,000	\$ 24,000
2" meter	\$ 38,000	\$ 38,000	\$ 38,000
3" meter	\$ 71,000	\$ 71,000	\$ 71,000
4" meter	\$ 118,000	\$ 118,000	\$ 118,000
6" meter	\$ 236,000	\$ 236,000	\$ 236,000

The Bedford Regional Water Authority (“BRWA”) will hold a public hearing on April 19, 2022 at 7:00 p.m. for the purpose of receiving comments about the proposed changes of rates as shown herein. Details about how to join the meeting can be found at [www.brwa.com](http://www.brwa.com). A description of the proposed changes can be found at [www.brwa.com](http://www.brwa.com). The rates will not be adopted until after the public hearing. The rates are scheduled to take effect June 1, 2022 and be utilized for all billing statements after June 30, 2022.

Please direct questions to 540-586-7679 or [rates@brwa.com](mailto:rates@brwa.com).

Monthly Usage or Meter Size	Forest, Lakes, Stewartsville, and Montvale Service Areas		Center Service Area			
	Water	Sewer	Inside Town of Bedford		Adjacent to Town	
			Water	Sewer	Water	Sewer
<b>Residential: Volume Charges per 1000 gallons</b>						
First 3,000	\$6.00	\$8.00	\$5.50	\$7.10	\$5.50	\$7.00
Over 3,000	\$6.00	\$8.00	\$5.50	\$7.70	\$5.50	\$8.10
<b>Commercial: Volume Charges per 1000 gallons</b>						
First 3,000	\$6.00	\$8.00	\$5.50	\$7.10	\$5.70	\$7.80
Over 3,000	\$6.00	\$8.00	\$5.50	\$8.00	\$5.70	\$8.30
<b>Industrial: Volume Charges per 1000 gallons</b>						
First 600,000	\$5.50	\$7.40	\$5.20	\$7.20	\$5.50	\$7.40
Over 600,000	\$5.50	\$7.40	\$5.20	\$7.10	\$5.50	\$7.40
<b>Residential: Monthly Base Charges</b>						
5/8"	\$25.00	\$25.00	\$25.00	\$27.00	\$25.50	\$28.00
3/4"	\$35.50	\$34.00	\$35.50	\$36.00	\$37.00	\$37.00
1"	\$56.50	\$54.00	\$56.50	\$58.00	\$58.00	\$59.00
1-1/2"	\$97.00	\$93.00	\$97.00	\$97.00	\$100.50	\$97.00
<b>Commercial and Industrial: Monthly Base Charges</b>						
5/8"	\$25.00	\$25.00	\$25.00	\$27.00	\$27.00	\$26.50
3/4"	\$35.50	\$34.00	\$35.50	\$37.00	\$39.00	\$37.50
1"	\$56.50	\$54.00	\$56.50	\$58.00	\$58.00	\$59.00
1-1/2"	\$97.00	\$93.00	\$97.00	\$97.00	\$104.00	\$98.00
2"	\$150.00	\$148.50	\$160.00	\$158.00	\$165.00	\$153.50
3"	\$280.00	\$271.00	\$310.00	\$280.00	\$324.00	\$282.00
4"	\$460.00	\$450.00	\$510.00	\$466.00	\$537.00	\$467.50
6"	\$910.00	\$900.00	\$1,060.00	\$925.00	\$1,063.00	\$927.00
8"	\$1,470.00	\$1,450.00				
10"	\$2,470.00	\$2,435.00				
<b>Meter Fees</b>						
5/8"	\$275.00					
3/4"	\$425.00					
1"	\$450.00					



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**RESOLUTION**  
2022-04.01  
**Rate Adjustment**

At a regular meeting of the Bedford Regional Water Authority (“Authority”) Board of Directors, held in the Board Meeting Room at the Authority’s Administrative Annex Building on the 19<sup>th</sup> day of April 2022, beginning at 7:00 p.m.:

**WHEREAS**, to provide sufficient revenue to cover all of the expenditures that are included in the proposed FY 2022-2023 operating budget, certain changes have been proposed to the Authority schedule of rates and charges; and,

**WHEREAS**, the Authority has provided sufficient notice in the Bedford Bulletin on March 23, 2022 and March 30, 2022 and conducted a public hearing on Tuesday, April 19, 2022 to solicit public comments on the proposed changes to the schedule of rates; and,

**WHEREAS**, the Board of Directors of the Authority has reviewed the proposed changes to the schedule of rates and rate information and desires to implement these changes; now,

**THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Bedford Regional Water Authority does hereby authorize the Executive Director to proceed with implementing the rates as properly advertised. The new rates will be effective for all usage beginning on June 1, 2022 and for all bills sent out after June 30, 2022.

Member \_\_\_\_\_ made a motion to approve this Resolution.

Member \_\_\_\_\_ made a Second to approve.

Board Member Votes: \_\_\_ Aye \_\_\_ Nay \_\_\_ Abstain

**CERTIFICATION**

The undersigned secretary of the Bedford Regional Water Authority does hereby certify that the foregoing is a true, complete, and correct Resolution adopted by a vote of a majority of the Directors of the Bedford Regional Water Authority, present at a regular meeting of the Board of Directors of the Bedford Regional Water Authority duly called and held April 19, 2022 at which a quorum was present and acting throughout, and that the same has not been amended or rescinded and is in full force and effect as of the date of the above mentioned meeting.

(SEAL)

\_\_\_\_\_  
Brian M. Key, Secretary,  
Bedford Regional Water Authority



1723 Falling Creek Road  
Bedford, VA 24523-3137  
(540) 586-7679 (phone)  
(540) 586-5805 (fax)  
[www.brwa.com](http://www.brwa.com)

# RESOLUTION MEMORANDUM

**To:** BRWA Board of Directors  
**From:** Jill Underwood, Director of Finance  
**Date:** April 4, 2022  
**Re:** Resolution 2022-04.02: Approval of Operating Budget for FY 2022-2023

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Enclosed, for your consideration, is the above referenced resolution.

The Finance Committee reviewed the operating budget at their meetings on March 3, 2022 and March 23, 2022. At the March meeting the Committee instructed staff to proceed with preparing the resolution and necessary documentation for Board action at the April Board meeting.

The proposed budget for FY 2022-2023 is included in the packet, following this memorandum and before the associated resolution.

## Revenue & Expenditure Summary

### Bedford Regional Water Authority Fiscal Year 2022-2023 Budget Summary

Description	Current Fiscal Year 2021-2022			2022-2023
	FY 21-22 Budget	Recent Balance	Projected to June 2022	Proposed Budget
a. Operating Revenues	\$ 14,470,328	\$ 8,717,810	\$ 14,871,038	\$ 15,401,698
b. Projected Capital Recovery Fee Revenue	\$ 1,158,411	\$ 809,200	\$ 1,395,172	\$ 1,200,000
c. Other Revenues & Support for Operations	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,767,416
d. Total Revenues for Operations & Debt	\$ 17,628,739	\$ 11,527,010	\$ 18,266,211	\$ 19,369,113
e. Operating Expenditures	\$ 11,256,054	\$ 5,624,360	\$ 9,586,356	\$ 12,283,962
f. Debt Service & Fees	\$ 4,328,453		\$ 4,328,453	\$ 4,672,476
g. Total Expenditures & Debt Service	\$ 15,584,507	\$ 5,624,360	\$ 13,914,809	\$ 16,956,438
h. <b>Operating Revenue for Coverage (d. - g.)</b>				<b>\$ 2,412,676</b>

Comparisons	
Difference 21-22 budget 22-23 projected	Difference 22-23 budget 21-22 proposed
\$ 400,710	\$ 931,370
\$ 236,761	\$ 41,589
\$ -	\$ 767,416
\$ 637,472	\$ 1,740,374
\$ (1,669,698)	\$ 1,027,908
\$ -	\$ 344,023
\$ (1,669,698)	\$ 1,371,931

Capital Projects and Reserve Setasides		Per Month	Annual
i. Vehicle and Equipment Replacements		\$ 27,000	\$ 324,000
j. Computer and SCADA Equipment Replacements		\$ 6,000	\$ 72,000
k. Meter Replacement (should be 10 year plan, per meter replacement policy)		\$ 20,000	\$ 240,000
l. Waterline Replacement (needed for older leaking systems)		\$ 25,000	\$ 300,000
m. Sewerline Replacement (required by consent order, needed in Center District)		\$ 23,000	\$ 276,000
n. Tank Rehabilitation		\$ 7,000	\$ 84,000
o. SML Facility Depreciation Reserve		\$ 17,000	\$ 204,000
p. Cell Tower Funds for Economic Development		\$ -	\$ -
r. <b>Total Replacement Reserved Capital</b>			<b>\$ 1,500,000</b>

Comparisons	
Prior FY 2021-2022	Future FY 2023-2024
\$ 306,000	\$ 360,000
\$ 63,000	\$ 80,000
\$ 308,000	\$ 350,000
\$ 190,000	\$ 300,000
\$ 270,000	\$ 300,000
\$ 85,000	\$ 100,000
\$ 151,000	\$ 250,000
\$ 67,000	
\$ 1,440,000	\$ 1,740,000

s. **Operating Coverage minus Replacement Capital (h.-r.)**

**\$ 912,676**

## Operating Revenue

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		
		Existing Budget	Balance as of 1/31/2022	Percent Collected (Goal 58.3%)	Projected to June 2022	FY 22-23 Proposed Budget	Difference from FY 21-22 Budget
3000-3000	Water Sales - Direct	\$ 9,223,750	\$ 5,369,915	58%	\$ 9,258,473	\$ 9,793,780	6%
3000-3050	Water Sales - Contract	\$ 90,000	\$ 114,670	127%	\$ 197,708	\$ 130,000	44%
3000-3100	Paradise Point Water		\$ 13,341	#DIV/0!	\$ 23,001	\$ 13,536	#DIV/0!
3100-3000	Sewer Sales - Direct	\$ 4,510,814	\$ 2,689,569	60%	\$ 4,482,615	\$ 4,715,854	5%
3100-3025	Mariners Landing Sewer Revenue		\$ 71	#DIV/0!			
3100-3050	Cedar Rock Revenue	\$ 32,140	\$ 19,675	61%	\$ 33,923	\$ 33,100	
3902-3211	Water Penalty Revenue	\$ 45,000	\$ 17,067	38%	\$ 29,426	\$ 45,000	0%
3902-3213	Sewer Penalty Revenue	\$ 25,000	\$ 10,438	42%	\$ 17,997	\$ 25,000	0%
3903-3231	Water Account Charges	\$ 40,000	\$ 23,700	59%	\$ 40,862	\$ 40,000	0%
3903-3233	Sewer Account Charges	\$ 20,000	\$ 10,575	53%	\$ 18,233	\$ 20,000	0%
3903-3240	Engineering Review Fees	\$ 50,000	\$ 22,092	44%	\$ 38,089	\$ 50,000	0%
3903-3242	Engineering Fire Flow Testing	\$ 1,500	\$ 150	10%	\$ 259	\$ 1,500	0%
3903-3243	SGP review & inspections	\$ 4,000	\$ 3,600	90%	\$ 6,207	\$ 4,000	0%
3900-3250	Bank Interest Earned	\$ 10,000	\$ (3,154)	-32%	\$ (5,438)		-100%
3900-3251	VRA Interest Earned	\$ -	\$ 1,378	#DIV/0!	\$ 2,376	\$ 2,000	
3903-3245	Sewer Clean-out Installation Fee	\$ 7,000	\$ 7,700	110%	\$ 13,276	\$ 7,000	0%
3903-3250	New Meter Fee Revenue	\$ 35,000	\$ 25,325	72%	\$ 43,664	\$ 35,000	0%
3903-3255	Industrial Pretreatment Revenue	\$ 18,000	\$ 9,125	51%	\$ 15,733	\$ 18,000	0%
3903-3260	Meter Setting Fee Revenue	\$ 60,000	\$ 58,360	97%	\$ 100,621	\$ 60,000	0%
3903-3261	Service Repair and Equipment Rentals	\$ 5,000	\$ 5,729	115%	\$ 9,878	\$ 5,000	0%
3903-3262	Cellular Antenna Site Rental	\$ 71,124	\$ 39,000	55%	\$ 67,241	\$ 71,124	0%
3903-3264	Sewer Pump Maintenance Revenue	\$ 63,000	\$ 27,510	44%	\$ 47,431	\$ 63,000	0%
3903-3270	Miscellaneous Revenue	\$ 5,000	\$ 7,843	157%	\$ 13,522	\$ 5,000	0%
3903-3275	Revenue from Communication Towers (no rev. sh	\$ -	\$ 6,868	#DIV/0!	\$ 6,868	\$ 10,404	
3901-3211	Reconnect Fee Revenue	\$ -	\$ 18,050	#DIV/0!	\$ 31,121	\$ 25,000	#DIV/0!
3901-3213	Unauthorized Service Revenue	\$ 1,000	\$ 2,000	200%	\$ 3,448	\$ 1,000	0%
3901-3212	Return Check Revenue	\$ 2,000	\$ 1,890	95%	\$ 3,259	\$ 2,000	0%
3201-3275	School WWTP reimbursements	\$ 51,000	\$ 29,459	58%	\$ 50,792	\$ 51,000	0%
3202-3276	Mariners Landing Contract Operations	\$ -	\$ -	#DIV/0!	\$ -	\$ -	#DIV/0!
3904-3318	Franklin County Contract Operations	\$ 100,000	\$ 185,865	186%	\$ 320,457	\$ 168,000	68%
<b>Operating Revenue</b>		<b>\$ 14,470,328</b>	<b>\$ 8,717,810</b>		<b>\$ 14,871,038</b>	<b>\$ 15,395,298</b>	<b>6.4%</b>

## Operating Revenue

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		
		Existing Budget	Balance as of 1/31/2022	Percent Collected (Goal 58.3%)	Projected to June 2022	FY 22-23 Proposed Budget	Difference from FY 21-22 Budget
3000-3200	Water Capital Recovery Fees	\$ 899,637	\$ 463,500	52%	\$ 799,138	\$ 800,000	-11%
3100-3220	Sewer Capital Recovery Fees	\$ 258,774	\$ 345,700	134%	\$ 596,034	\$ 400,000	55%
3900-3240	Engineering Plan Sales	\$ -		#DIV/0!	\$ -	\$ -	
3903-3265	Cellular Antenna Site Rental- County portion	\$ 47,416	\$ 29,570	62%	\$ 50,983	\$ 47,416	
3903-3280	Sales & Disposals	\$ -	\$ 8,650	#DIV/0!	\$ 14,914	\$ -	n/a
3903-3281	Gain/Loss on Fixed Assets			#DIV/0!	\$ -	\$ -	n/a
3903-3285	Bedford Co Broadband Revenue	\$ 5,750	\$ 3,900	68%	\$ 5,150	\$ 6,000	
3903-3330	SML WTF Revenue (monthly bank interest)	\$ -	\$ 338	#DIV/0!	\$ 584	\$ 400	
3904-3305	Bedford Co Support- Forest Sewer	\$ 500,000	\$ 500,000	100%	\$ 500,000	\$ 500,000	
3904-3310	BOS Capital Contributions	\$ 2,000,000	\$ 1,796,906	90%	\$ 2,000,000	\$ 2,000,000	0%
3904-3311	Schools Utility Locating Revenue			#DIV/0!	\$ -		
3904-3312	Donated Assets	\$ -		#DIV/0!	\$ -	\$ -	n/a
3904-3315	Developer Line Contributions	\$ 200,000	\$ 1,462,129	731%	\$ 2,520,911	\$ 200,000	0%
3904-3316	Contributions from WVWA (SML WTP)	\$ -		#DIV/0!	\$ -	\$ -	
3904-3325	Contributions from Town of Bedford	\$ -		#DIV/0!	\$ -		
3904-3317	Developer Facility Fee Redemptions	\$ 20,000		0%	\$ -	\$ 20,000	
3904-3335	DEQ Contributions for Projects			#DIV/0!	\$ -		
3904-3320	Customer Line Contributions			#DIV/0!	\$ -		
	<b>Other Revenue and Contributions</b>	<b>\$ 3,931,577</b>	<b>\$ 4,610,693</b>		<b>\$ 6,487,714</b>	<b>\$ 3,973,816</b>	<b>1%</b>
	<b>Total Revenue</b>	<b>\$ 18,401,905</b>	<b>\$ 13,328,503</b>		<b>\$ 21,358,752</b>	<b>\$ 19,369,113</b>	<b>5.3%</b>

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
<b>Salaries</b>								
4000-0010	Salaries	\$ 4,072,119	\$ 2,191,642	\$ 3,778,694	\$ 4,690,961	15.2%	\$ 618,842	24%
4000-0019	On call Stipend	\$ 34,320	\$ 17,400	\$ 30,000	\$ 50,000	46%	\$ 15,680	67%
4000-0020	Overtime	\$ 307,589	\$ 94,219	\$ 162,446	\$ 337,226	10%	\$ 29,637	108%
4006-0010	Contracted & Intern Salaries		\$ -	\$ -		#DIV/0!	\$ -	
<b>4000-4006</b>	<b>Salaries Total</b>	<b>\$ 4,414,028</b>	<b>\$ 2,303,261</b>	<b>\$ 3,971,139</b>	<b>\$ 5,078,188</b>	<b>15.0%</b>	<b>\$ 664,160</b>	<b>27.9%</b>
<b>General Office Expenses</b>								
4010-0075	Board & Committee Meetings	\$ 1,000	\$ 561	\$ 967	\$ 1,000	0%	\$ -	3%
4010-0085	Long Range Planning	\$ 15,000	\$ -	\$ -	\$ 15,000		\$ -	#DIV/0!
4010-0100	Supplies	\$ 8,000	\$ 1,345	\$ 2,320	\$ 8,000	0%	\$ -	245%
4010-0103	Public Outreach Expenses	\$ 16,415	\$ 4,982	\$ 8,589	\$ 15,875	-3%	\$ (540)	85%
4010-0110	Building Maintenance Expense	\$ 25,500	\$ 14,739	\$ 25,413	\$ 24,000	-6%	\$ (1,500)	-6%
4010-0130	Postage & Shipping Expense	\$ 8,000	\$ 3,635	\$ 6,267	\$ 8,000	0%	\$ -	28%
4010-0140	Commercial Phone Charges	\$ 12,600	\$ 5,416	\$ 9,338	\$ 12,120	-4%	\$ (480)	30%
4010-0142	Cellular Phone Service	\$ 20,480	\$ 8,266	\$ 14,251	\$ 20,480	0%	\$ -	44%
4010-0150	Building Power & Utilities	\$ 16,767	\$ 8,884	\$ 15,317	\$ 16,767	0%	\$ -	9%
4010-0155	Building Fuel Costs	\$ 8,000	\$ 1,979	\$ 3,413	\$ 8,000	0%	\$ -	134%
4010-0160	Employee Bond	\$ 736	\$ 296	\$ 511	\$ 562	-24%	\$ (174)	10%
4010-0161	Building Insurance	\$ 4,593	\$ 1,188	\$ 2,048	\$ 2,500	-46%	\$ (2,093)	22%
4010-0170	Advertising	\$ 18,000	\$ 3,514	\$ 6,059	\$ 18,000	0%	\$ -	197%
4010-0175	Bank Service Charges	\$ 15,600	\$ 9,119	\$ 15,723	\$ 16,800	8%	\$ 1,200	7%
4010-0200	Accounting Services	\$ 30,000	\$ 26,270	\$ 29,270	\$ 45,000	50%	\$ 15,000	54%
4010-0220	Legal Expenses	\$ 18,000	\$ 16,192	\$ 18,000	\$ 18,000	0%	\$ -	0%
4010-0400	Board of Directors Fees	\$ 25,200	\$ 12,950	\$ 21,000	\$ 21,000	-17%	\$ (4,200)	0%
4010-0401	Board of Directors Mileage	\$ 3,360	\$ 132	\$ 316	\$ 3,360	0%	\$ -	964%
<b>4010</b>	<b>General Office</b>	<b>\$ 247,251</b>	<b>\$ 119,468</b>	<b>\$ 178,800</b>	<b>\$ 254,464</b>	<b>3%</b>	<b>\$ 7,213</b>	<b>42%</b>
<b>Employee Benefits &amp; Related Expenses</b>								
4100-0030	Payroll Taxes	\$ 335,048	\$ 177,457	\$ 305,961	\$ 384,656	15%	\$ 49,608	26%
4100-0040	VRS Retirement & Life	\$ 373,918	\$ 158,817	\$ 273,822	\$ 470,086	26%	\$ 96,168	72%

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4100-0041	VRS Hybrid Disability	\$ 10,606	\$ 3,556	\$ 6,132	\$ 12,668	19%	\$ 2,062	107%
4100-0045	Unemployment Payments	\$ 6,000		\$ -	\$ 6,000	0%	\$ -	
4100-0050	Health Insurance	\$ 769,145	\$ 474,500	\$ 818,104	\$ 868,514	13%	\$ 99,369	6%
4100-0055	Flexible Benefits Account	\$ 2,500	\$ 1,737	\$ 2,995	\$ 2,500	0%	\$ -	-17%
4100-0060	Workers Compensation Ins.	\$ 76,523	\$ 9,904	\$ 17,076	\$ 66,018	-14%	\$ (10,505)	287%
4100-0065	Employee Testing & Background Checks	\$ 4,785	\$ 2,235	\$ 3,853	\$ 5,556	16%	\$ 771	44%
4100-0070	Mileage Reimbursements	\$ 1,120	\$ -	\$ -	\$ 1,170	4%	\$ 50	0%
4100-0075	Meetings	\$ 6,445	\$ 296	\$ 510	\$ 6,165	-4%	\$ (280)	1108%
4100-0080	Professional Dues	\$ 22,578	\$ 5,203	\$ 8,970	\$ 20,137	-11%	\$ (2,441)	124%
4100-0085	Training & Education	\$ 108,927	\$ 7,147	\$ 12,322	\$ 144,845	33%	\$ 35,918	1076%
4100-0086	Continuing education	\$ 5,501			\$ 13,501	145%	\$ 8,000	#DIV/0!
4100-0090	Whistle Blower Hotline	\$ 500			\$ 500	0%	\$ -	#DIV/0!
4100-0095	Employee Referral Program		\$ 300					
4100-0101	Clothing & Uniforms	\$ 36,602	\$ 16,622		\$ 46,981	28%	\$ 10,379	#DIV/0!
4100-0102	Employee & Incentive Fund	\$ 27,500	\$ 19,465	\$ 33,560	\$ 32,500	18%	\$ 5,000	-3%
4100-0103	Safety	\$ 45,502	\$ 14,943	\$ 25,764	\$ 73,595	62%	\$ 28,093	186%
<b>4100</b>	<b>Employee Benefits</b>	<b>\$ 1,833,200</b>	<b>\$ 892,182</b>	<b>\$ 1,509,069</b>	<b>\$ 2,155,392</b>	<b>18%</b>	<b>\$ 322,192</b>	<b>43%</b>
<b>Billing Costs</b>								
4110-0091	Bad Debt Water	\$ 20,000	\$ 122,447	\$ 122,447	\$ 20,000	0%	\$ -	
4110-0093	Bad Debt Sewer	\$ 15,000	\$ 103,192	\$ 103,192	\$ 15,000	0%	\$ -	
4110-0094	Bad Debt Penalty & Misc Charges	\$ 5,000	\$ 57,273	\$ 57,273	\$ 5,000	0%	\$ -	
4110-0097	Collection Agency Expense	\$ 1,200	\$ 2,052	\$ 3,537	\$ 3,000	150%	\$ 1,800	
4110-0110	Bill Processing Services	\$ 95,332	\$ 51,626	\$ 89,010	\$ 100,099	5%	\$ 4,767	12%
4110-0112	Customer Notification Expenses	\$ 5,000		\$ -	\$ 5,000	0%	\$ -	
4110-0115	Large Meter Testing and Rebuilds	\$ 1,000		\$ -	\$ -	-100%	\$ (1,000)	
4110-0120	Software Maintenance	\$ 43,070	\$ 46,992	\$ 81,020	\$ 58,050	35%	\$ 14,980	-28%
4110-0125	Credit Card Processing Fees	\$ 25,125	\$ 18,257	\$ 31,478	\$ 26,250	4%	\$ 1,125	
4110-0175	Courier Service	\$ 4,230	\$ 2,182	\$ 3,761	\$ 5,550	31%	\$ 1,320	
<b>4110</b>	<b>Billing Costs</b>	<b>\$ 214,957</b>	<b>\$ 404,021</b>	<b>\$ 491,719</b>	<b>\$ 237,949</b>	<b>125%</b>	<b>\$ 22,992</b>	<b>\$ (0)</b>

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
<b>Network Costs</b>								
4120-0100	Information Systems Supplies	\$ 8,500	\$ 1,904	\$ 3,283	\$ 8,500	0%	\$ -	159%
4120-0110	Network Contracted Services	\$ 24,000	\$ 14,396	\$ 24,820	\$ 30,160	26%	\$ 6,160	22%
4120-0115	Continuing Software Support	\$ 117,839	\$ 83,058	\$ 143,203	\$ 140,894	20%	\$ 23,055	-2%
4120-0145	Internet & WAN Communications	\$ 8,850	\$ 3,234	\$ 5,576	\$ 12,850	45%	\$ 4,000	130%
<b>4120</b>	<b>Network Costs</b>	<b>\$ 159,189</b>	<b>\$ 102,591</b>	<b>\$ 176,881</b>	<b>\$ 192,404</b>	<b>21%</b>	<b>\$ 33,215</b>	<b>9%</b>
<b>Team Supplies and Vehicles</b>								
4130-0100	Administration Supplies	\$ 1,000	\$ -	\$ -	\$ 1,746	75%	\$ 746	#DIV/0!
4140-0100	Customer Service Supplies	\$ 2,318	\$ 277	\$ 478	\$ 5,301	129%	\$ 2,983	1010%
4210-0100	Engineering Supplies	\$ 15,438	\$ 4,488	\$ 7,737	\$ 23,491	52%	\$ 8,053	204%
4210-0110	Engineering Reviews-Contracted	\$ 59,800	\$ 11,233	\$ 19,367	\$ 104,500	75%	\$ 44,700	440%
4210-0141	Locating Notification Tickets	\$ 10,270	\$ 3,576	\$ 6,166	\$ 10,270	0%	\$ -	67%
4210-0240	Construction Testing	\$ 2,820	\$ 2,408	\$ 4,152	\$ 5,360	90%	\$ 2,540	29%
<b>4210</b>	<b>Office</b>	<b>\$ 91,646</b>	<b>\$ 21,982</b>	<b>\$ 37,900</b>	<b>\$ 150,667</b>	<b>64%</b>	<b>\$ 59,021</b>	<b>298%</b>
4220-0100	Wastewater Operations Supplies	\$ 1,600	\$ 64	\$ 110	\$ 1,600	0%	\$ -	1353%
4223-0100	Water Operations Supplies	\$ -	\$ 167	\$ 287	\$ -	#DIV/0!	\$ -	
4221-0100	FROG Program Supplies	\$ 8,000	\$ 592	\$ 1,020	\$ 6,350	-21%	\$ (1,650)	522%
4222-0100	Pretreatment Supplies/Expenses	\$ 19,600	\$ 6,523	\$ 11,246	\$ 19,600	0%	\$ -	74%
4222-0200	Backflow Supplies (new account)				\$ 10,000			
4225-0100	Lab Supplies	\$ 24,000	\$ 10,972	\$ 18,918	\$ 22,000		\$ (2,000)	16%
<b>4220-4225</b>	<b>Operations</b>	<b>\$ 53,200</b>	<b>\$ 18,318</b>	<b>\$ 31,582</b>	<b>\$ 59,550</b>	<b>0%</b>	<b>\$ 6,350</b>	<b>16%</b>
4230-0100	Maintenance Supplies	\$ 46,832	\$ 16,443	\$ 28,350	\$ 69,228	48%	\$ 22,396	144%
4230-0110	Preventative Maintenance			\$ -				
4240-0100	Vehicle & Equipment Supplies	\$ 32,350	\$ 23,759	\$ 40,964	\$ 43,350	34%	\$ 11,000	6%
4240-0110	Vehicle & Equipment Contracted Services	\$ 85,000	\$ 44,205	\$ 76,216	\$ 85,000	0%	\$ -	12%
4240-0155	Vehicle & Equipment Fuel	\$ 95,000	\$ 55,340	\$ 95,414	\$ 105,000	11%	\$ 10,000	10%
4240-0162	Vehicle & Equipment Insurance	\$ 28,750	\$ 18,126	\$ 31,252	\$ 34,377	20%	\$ 5,627	10%
<b>4240</b>	<b>Vehicle &amp; Equipment Costs</b>	<b>\$ 287,932</b>	<b>\$ 157,873</b>	<b>\$ 272,196</b>	<b>\$ 336,955</b>	<b>17%</b>	<b>\$ 49,023</b>	<b>24%</b>

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
<b>System Expenses</b>								
4250-0100	Forest Water Supplies	\$ 35,000	\$ 15,992	\$ 27,572	\$ 35,000	0%	\$ -	27%
4250-0101	Forest Water Meter Installations	\$ 56,000		\$ -	\$ 56,000	0%	\$ -	#DIV/0!
4250-0105	Forest Water Chemicals	\$ -		\$ -	\$ 500		\$ 500	
4250-0110	Forest Water Contracted Services	\$ 30,000	\$ 9,798	\$ 16,894	\$ 30,000	0%	\$ -	78%
4250-0115	Forest Water Repairs & Improvements	\$ 3,500		\$ -	\$ 3,500		\$ -	
4250-0140	Forest Water Communications	\$ 400	\$ 203	\$ 351	\$ 400	0%	\$ -	14%
4250-0150	Forest Water Power	\$ 6,000	\$ 1,625	\$ 2,802	\$ 6,000	0%	\$ -	114%
4250-0161	Forest Water Property Insurance	\$ 14,959	\$ 9,630	\$ 16,603	\$ 18,263	22%	\$ 3,304	10%
4250-0240	Forest Water Sampling & Testing	\$ 15,000	\$ 3,592	\$ 6,193	\$ 7,000	-53%	\$ (8,000)	13%
4250-0300	Forest Water Purchased	\$ 690,250	\$ 371,783	\$ 641,004	\$ 690,250	2435%	\$ 663,018	8%
4250-0410	Forest Water VDH Fees	\$ 27,232	\$ 25,833	\$ 25,833	\$ 27,232	#REF!	#REF!	5%
<b>4250</b>	<b>Forest Water Costs</b>	<b>\$ 878,341</b>	<b>\$ 438,456</b>	<b>\$ 737,252</b>	<b>\$ 874,145</b>	<b>0%</b>	<b>\$ (4,196)</b>	<b>19%</b>
4260-0100	Well System Supplies	\$ 10,400	\$ 3,864	\$ 6,661	\$ 10,400	0%	\$ -	56%
4260-0105	Well systems Chemicals	\$ 3,500	\$ 2,230	\$ 3,845	\$ 5,000	43%	\$ 1,500	30%
4260-0101	Well Systems Meter Installations	\$ 500		\$ -	\$ 500	0%	\$ -	
4260-0110	Well Systems Contracted Services	\$ 10,100	\$ 2,066	\$ 3,561	\$ 9,000	-11%	\$ (1,100)	153%
4260-0115	Well Systems Repairs & Improvements	\$ 2,000		\$ -	\$ 1,500	-25%	\$ (500)	
4260-0150	Well Systems Power	\$ 5,500	\$ 3,368	\$ 5,807	\$ 6,000	9%	\$ 500	3%
4260-0161	Well Systems Property Insurance	\$ 989	\$ 414	\$ 714	\$ 786	-21%	\$ (203)	10%
4260-0240	Well Systems Sampling & Testing	\$ 5,000	\$ 491	\$ 847	\$ 3,000	-40%	\$ (2,000)	254%
4260-0410	Well Systems VDH Fees	\$ 684	\$ 696	\$ 696	\$ 690	1%	\$ 6	-1%
<b>4260</b>	<b>Well Systems Costs</b>	<b>\$ 38,673</b>	<b>\$ 13,129</b>	<b>\$ 22,132</b>	<b>\$ 36,876</b>	<b>-5%</b>	<b>\$ (1,797)</b>	<b>67%</b>
4265-0100	SML Water Distribution System Supplies	\$ 10,000	\$ 5,242	\$ 9,038	\$ 20,000	100%	\$ 10,000	121%
4265-0101	SML Water Distribution System Meter Installations	\$ 6,500		\$ -	\$ 6,500	0%	\$ -	#DIV/0!
4265-0110	SML Water Distribution System Contracted Services	\$ 3,000	\$ 9,085	\$ 15,664	\$ 15,000	400%	\$ 12,000	-4%
4265-0115	SML Water Distribution Repairs & Improvements	\$ 1,000		\$ -	\$ 1,000	0%	\$ -	
4265-0240	SML Water Distribution System Sampling & Testing	\$ 10,000	\$ 1,046	\$ 1,803	\$ 5,000	-50%	\$ (5,000)	177%
4265-0410	SML Water Distribution System VDH Fees	\$ 3,680	\$ 4,554	\$ 4,554	\$ 4,508	22%	\$ 828	-1%

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
<b>4265</b>	<b>SML Central Distribution System Costs</b>	\$ 34,180	\$ 19,927	\$ 31,059	\$ 52,008	52%	\$ 17,828	67%
4270-0100	Highpoint Facility Supplies	\$ 2,000	\$ 462	\$ 797	\$ 1,500	-25%	\$ (500)	88%
4270-0105	Highpoint Facility Chemicals	\$ 1,000		\$ -	\$ 1,000	0%	\$ -	#DIV/0!
4270-0110	Highpoint Facility Contracted Services	\$ 3,200	\$ 4,119	\$ 7,102	\$ 7,000	119%	\$ 3,800	-1%
4270-0150	Highpoint Facility Power	\$ 14,000	\$ 7,185	\$ 12,388	\$ 14,000	0%	\$ -	13%
4270-0155	Highpoint Facility Propane	\$ 2,000	\$ 398	\$ 685	\$ 2,000	0%	\$ -	192%
4270-0161	Highpoint Facility Property Insurance	\$ 7,742	\$ 3,027	\$ 5,218	\$ 5,740	-26%	\$ (2,002)	10%
4270-0240	Highpoint Facility Sampling & testing	\$ -		\$ -	\$ -	#DIV/0!	\$ -	#DIV/0!
4270-0370	Highpoint Facility Raw Water Fee	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	
4270-0371	Highpoint Facility Road Maintenance Fee	\$ 850	\$ -	\$ -	\$ 1,320	55%	\$ 470	
<b>4270</b>	<b>Highpoint Facility Costs</b>	\$ 30,792	\$ 15,191	\$ 26,191	\$ 32,560	6%	\$ 1,768	24%
4330-0100	SMLWTF Supplies	\$ 30,000	\$ 15,446	\$ 26,631	\$ 33,000	10%	\$ 3,000	24%
4330-0105	SMLWTF Chemicals	\$ 55,000	\$ 28,773	\$ 49,609	\$ 55,000	0%	\$ -	11%
4330-0110	SMLWTF Contracted Services	\$ 205,000	\$ 66,885	\$ 115,320	\$ 208,750	2%	\$ 3,750	81%
4330-0140	SMLWTF Communications	\$ 500	\$ 356	\$ 613	\$ 780	56%	\$ 280	27%
4330-0150	SMLWTF Facility Power	\$ 230,000	\$ 110,988	\$ 191,359	\$ 210,000	-9%	\$ (20,000)	10%
4330-0155	SMLWTF Fuel Costs	\$ 2,000	\$ 1,223	\$ 2,108	\$ 1,000	-50%	\$ (1,000)	-53%
4330-0161	SMLWTF Property Insurance	\$ 14,994	\$ 4,495	\$ 7,749	\$ 8,524	-43%	\$ (6,470)	10%
4330-0240	SMLWTF Sampling & Testing	\$ 2,000	\$ 1,600	\$ 2,758	\$ 8,750	338%	\$ 6,750	217%
4330-0300	SMLWTF Water Quality Monitoring	\$ 7,500	\$ 7,500	\$ 7,500	\$ 7,500	0%	\$ -	0%
4330-0370	SMLWTF Raw Water Fee	\$ 8,800	\$ -	\$ -	\$ 8,800	0%	\$ -	#DIV/0!
<b>4330</b>	<b>SMLWTF Expenses</b>	\$ 555,794	\$ 237,265	\$ 396,147	\$ 542,104	-2%	\$ (13,690)	37%
4275-0100	Central Water Distribution Supplies	\$ 37,500	\$ 22,552	\$ 38,883	\$ 45,000	20%	\$ 7,500	16%
4275-0101	Central Water Distribution Meter Installations	\$ 3,750		\$ -	\$ 3,750	0%	\$ -	0%
4275-0110	Central Water Distribution Contracted Services	\$ 108,700	\$ 32,752	\$ 109,173	\$ 90,000	-17%	\$ (18,700)	-18%
4275-0115	Central Water Distribution Repairs & Maintenance	\$ 44,500	\$ 1,123	\$ 1,936	\$ 40,000	-10%	\$ (4,500)	
4275-0120	Central Water Distribution Dam Inspection Fees	\$ -	\$ -	\$ -	\$ -		\$ -	
4275-0140	Central Water Distribution Communications	\$ 1,962		\$ -			\$ (1,962)	

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4275-0155	Central Water Distribution Fuel	\$ 250		\$ -	\$ 500		\$ 250	#DIV/0!
4275-0240	Central Water Distribution Sampling & Testing	\$ 20,000	\$ 4,856	\$ 8,373	\$ 12,750	-36%	\$ (7,250)	52%
4275-0410	Central Water Distribution VDH fees	\$ 12,091	\$ 11,268	\$ 11,268	\$ 12,091	0%	\$ -	7%
<b>4275</b>	<b>Central Water Distribution Costs</b>	<b>\$ 228,753</b>	<b>\$ 72,551</b>	<b>\$ 169,633</b>	<b>\$ 204,091</b>	<b>-11%</b>	<b>\$ (24,662)</b>	<b>20%</b>
4276-0100	Central Water Treatment Supplies	\$ 30,000	\$ 19,704	\$ 33,972	\$ 40,000	33%	\$ 10,000	18%
4276-0105	Central Water Treatment Chemicals	\$ 40,000	\$ 27,898	\$ 48,100	\$ 50,000	25%	\$ 10,000	4%
4276-0110	Central Water Treatment Contracted Services	\$ 15,000	\$ 8,803	\$ 15,177	\$ 15,000	0%	\$ -	-1%
4276-0140	Central Water Treatment Communications	\$ 1,020	\$ 360	\$ 621	\$ 1,020	0%	\$ -	64%
4276-0150	Central Water Treatment Power	\$ 35,000	\$ 15,807	\$ 27,253	\$ 32,000	-9%	\$ (3,000)	17%
4276-0155	Central Water Treatment Fuel	\$ 2,000	\$ 1,032	\$ 1,779	\$ 1,800	-10%	\$ (200)	1%
4276-0161	Central Water Treatment Property Insurance	\$ 10,497	\$ 10,265	\$ 17,698	\$ 19,468	85%		
4276-0161	Central Water Treatment Sampling& Testing	\$ 1,500		\$ -	\$ 1,500	0%	\$ -	#DIV/0!
<b>4276</b>	<b>Central Water Treatment Costs</b>	<b>\$ 135,017</b>	<b>\$ 83,868</b>	<b>\$ 144,600</b>	<b>\$ 160,788</b>	<b>19%</b>	<b>\$ 25,771</b>	<b>11%</b>
4280-0100	Stewartsville Water Supplies	\$ 1,000	\$ 1,687	\$ 2,909	\$ 3,500	250%	\$ 2,500	20%
4280-0101	Stewartsville Water Meter Installations	\$ 500		\$ -	\$ 500	0%	\$ -	#DIV/0!
4280-0110	Stewartsville Water Contracted Services	\$ 2,700	\$ 1,325	\$ 2,285	\$ 4,000	48%	\$ 1,300	75%
4280-0115	Stewartsville Water Repairs & Maintenance	\$ 2,500		\$ -	\$ 2,500	0%	\$ -	#DIV/0!
4280-0140	Stewartsville Water Communications	\$ 300	\$ 319	\$ 549	\$ 600		\$ 300	9%
4280-0150	Stewartsville Water Power	\$ 400	\$ 98	\$ 169	\$ 400	0%	\$ -	137%
4280-0161	Stewartsville Water Property Insurance	\$ 732	\$ 380	\$ 655	\$ 721	-2%	\$ (11)	10%
4280-0240	Stewartsville Water Sampling & testing	\$ 900	\$ 518	\$ 892	\$ 2,000	122%	\$ 1,100	124%
4280-0300	Stewartsville Water Purchased	\$ 32,000	\$ 25,883	\$ 44,626	\$ 38,500	20%	\$ 6,500	-14%
4280-0410	Stewartsville Water VDH Fees	\$ 416	\$ 429	\$ 429	\$ 422	1%	\$ 6	-2%
<b>4280</b>	<b>Stewartsville Water Costs</b>	<b>\$ 41,448</b>	<b>\$ 30,638</b>	<b>\$ 52,514</b>	<b>\$ 53,142</b>	<b>28%</b>	<b>\$ 11,694</b>	<b>1%</b>
4290-0100	Forest Sewer Supplies	\$ 63,600	\$ 32,800	\$ 56,552	\$ 66,000	4%	\$ 2,400	17%
4290-0105	Forest Sewer Chemicals	\$ 87,000	\$ 34,563	\$ 59,592	\$ 72,000	-17%	\$ (15,000)	21%
4290-0110	Forest Sewer Contracted Services	\$ 104,500	\$ 12,027	\$ 20,736	\$ 60,000	-43%	\$ (44,500)	189%
4290-0115	Forest Sewer Repairs & Improvements	\$ 2,000	\$ 34	\$ 59	\$ 35,000	1650%	\$ 33,000	58912%
4290-0140	Forest Sewer Communications	\$ 3,600	\$ 858	\$ 1,479	\$ 3,600	0%	\$ -	143%

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4290-0150	Forest Sewer Power	\$ 37,200	\$ 18,309	\$ 31,568	\$ 37,200	0%	\$ -	18%
4290-0155	Forest Sewer Fuel Costs	\$ 5,000		\$ -	\$ 3,000	-40%	\$ (2,000)	#DIV/0!
4290-0161	Forest Sewer Property Insurance	\$ 4,644	\$ 2,742	\$ 4,728	\$ 5,201	12%	\$ 557	10%
4290-0240	Forest Sewer Sampling & Testing	\$ 500		\$ -	\$ 500	0%	\$ -	
4290-0350	Forest Sewer Treatment Costs	\$ 300,000	\$ 150,000	\$ 270,000	\$ 300,000	0%	\$ -	11%
<b>4290</b>	<b>Forest Sewer Costs</b>	<b>\$ 608,044</b>	<b>\$ 251,334</b>	<b>\$ 444,715</b>	<b>\$ 582,501</b>	<b>-4%</b>	<b>\$ (25,543)</b>	<b>31%</b>
4291-0100	Center Sewer Collection Supplies	\$ 70,000	\$ 27,959	\$ 48,205	\$ 70,000	0%	\$ -	45%
4291-0110	Center Sewer Collection Contracted Services	\$ 84,500	\$ 12,307	\$ 80,000	\$ 63,000	-25%	\$ (21,500)	-21%
4291-0115	Center Sewer Collection Repairs & Improvements	\$ 109,000	\$ 160	\$ 95,000	\$ 109,000	0%	\$ -	15%
4291-0150	Center Sewer Collection Power	\$ 55,000	\$ 3,574	\$ 6,162	\$ 50,000	-9%	\$ (5,000)	711%
4291-0155	Center Sewer Collection Fuel Costs	\$ 5,000	\$ 845	\$ 1,457	\$ 3,000	-40%	\$ (2,000)	106%
4291-0240	Center Sewer Collection Sampling & Testing	\$ 250	\$ -	\$ -	\$ 250		\$ -	#DIV/0!
<b>4291</b>	<b>Center Sewer Collection System Costs</b>	<b>\$ 323,750</b>	<b>\$ 44,844</b>	<b>\$ 230,823</b>	<b>\$ 295,250</b>	<b>-9%</b>	<b>\$ (28,500)</b>	<b>28%</b>
4293-0100	Center Sewer Treatment Supplies	\$ 73,000	\$ 11,888	\$ 20,496	\$ 73,000	0%	\$ -	256%
4293-0105	Center Sewer Treatment Chemicals	\$ 120,000	\$ 37,265	\$ 64,250	\$ 110,000	-8%	\$ (10,000)	71%
4293-0110	Center Sewer Treatment Contracted Services	\$ 75,000	\$ 14,790	\$ 25,500	\$ 60,000	-20%	\$ (15,000)	135%
4293-0115	Center Sewer Treatment Sludge Tipping Fees	\$ 45,000	\$ 17,881	\$ 30,830	\$ 45,000	0%	\$ -	46%
4293-0140	Center Sewer Treatment Communications	\$ 9,162	\$ 4,575	\$ 7,888	\$ 9,162	0%	\$ -	16%
4293-0150	Center Sewer Treatment Power	\$ 212,000	\$ 99,736	\$ 171,959	\$ 212,000	0%	\$ -	23%
4293-0155	Center Sewer Treatment Fuel	\$ 1,500	\$ 1,474	\$ 2,542	\$ 1,500	0%	\$ -	-41%
4293-0161	Center Sewer Treatment Property Insurance	\$ 13,398	\$ 8,673	\$ 14,954	\$ 16,449	23%	\$ 3,051	10%
4293-0240	Center Sewer Treatment Sampling & Testing	\$ 25,000	\$ 6,123	\$ 10,558	\$ 25,000	0%	\$ -	137%
4293-0411	Center Sewer Treatment DEQ charges	\$ 9,400	\$ 9,529	\$ 9,529	\$ 9,529	1%	\$ 129	0%
<b>4293</b>	<b>Center Sewer Treatment Costs</b>	<b>\$ 583,460</b>	<b>\$ 211,935</b>	<b>\$ 358,505</b>	<b>\$ 561,640</b>	<b>-4%</b>	<b>\$ (21,820)</b>	<b>57%</b>
4292-0100	Moneta Sewer Collection Supplies	\$ 10,250	\$ 834	\$ 1,438	\$ 7,000	-32%	\$ (3,250)	387%
4292-0105	Moneta Sewer Collection Chemicals	\$ 2,000		\$ -	\$ 2,000		\$ -	
4292-0110	Moneta Sewer Collection Contracted Services	\$ 3,050	\$ 3,108	\$ 5,359	\$ 8,000	162%	\$ 4,950	49%
4292-0115	Moneta Sewer Collection Repairs & Improvements	\$ 400		\$ -		-100%	\$ (400)	#DIV/0!
4292-0140	Moneta Sewer Collection System Communication		\$ 223	\$ 385	400			

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
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4292-0150	Moneta Sewer Collection Power	\$ 13,000	\$ 8,187	\$ 14,116	\$ 15,000	15%	\$ 2,000	6%
4292-0155	Moneta Sewer Collection Fuel Costs	\$ 3,500	\$ 87	\$ 149	\$ 2,000	-43%	\$ (1,500)	1240%
4292-0240	Moneta Sewer Collection Sampling & testing	\$ 600		\$ -	\$ 600		\$ -	#DIV/0!
<b>4292</b>	<b>Moneta Sewer Collection System Costs</b>	<b>\$ 32,800</b>	<b>\$ 12,439</b>	<b>\$ 21,447</b>	<b>\$ 35,000</b>	<b>7%</b>	<b>\$ 2,200</b>	<b>63%</b>
4294-0100	Moneta Sewer Treatment Supplies	\$ 30,000	\$ 5,746	\$ 9,908	\$ 20,000	-33%	\$ (10,000)	102%
4294-0105	Moneta Sewer Treatment Chemicals	\$ 12,000	\$ 5,242	\$ 9,038	\$ 12,000	0%	\$ -	33%
4294-0110	Moneta Sewer Contracted Services	\$ 35,000	\$ 7,145	\$ 12,319	\$ 28,000	-20%	\$ (7,000)	127%
4294-0115	Moneta Sewer Sludge Tipping Fees	\$ 15,000	\$ 1,941	\$ 3,347	\$ 10,000	-33%	\$ (5,000)	199%
4294-0140	Moneta Sewer Treatment Communications	\$ 1,980	\$ 1,944	\$ 3,351	\$ 3,500	77%	\$ 1,520	4%
4294-0150	Moneta Sewer Treatment Power	\$ 39,285	\$ 21,491	\$ 37,053	\$ 39,000	-1%	\$ (285)	5%
4294-0155	Moneta Sewer Fuel	\$ 350	\$ 394	\$ 679	\$ 350		\$ -	-48%
4294-0161	Moneta Sewer Treatment Property Insurance	\$ 6,447	\$ 3,399	\$ 5,861	\$ 6,447	0%	\$ (0)	10%
4294-0240	Moneta Sewer Treatment Sampling & Testing	\$ 20,000	\$ 2,281	\$ 3,932	\$ 10,000	-50%	\$ (10,000)	154%
4294-0411	Moneta Sewer DEQ charges	\$ 3,000	\$ 2,940	\$ 2,940	\$ 2,940	-2%	\$ (60)	0%
<b>4294</b>	<b>Moneta Sewer Treatment Costs</b>	<b>\$ 163,062</b>	<b>\$ 52,523</b>	<b>\$ 88,428</b>	<b>\$ 132,237</b>	<b>-19%</b>	<b>\$ (30,825)</b>	<b>50%</b>
4295-0100	Montvale Sewer Supplies	\$ 15,000	\$ 454	\$ 783	\$ 10,000	-33%	\$ (5,000)	1176%
4295-0105	Montvale Sewer Chemicals	\$ 1,500	\$ 283	\$ 488	\$ 1,000	-33%	\$ (500)	105%
4295-0110	Montvale Sewer Contracted Services	\$ 15,000	\$ 7,290	\$ 12,569	\$ 7,000	-53%	\$ (8,000)	-44%
4295-0115	Montvale Sewer Repairs & Improvements	\$ -		\$ -	\$ -	#DIV/0!	\$ -	#DIV/0!
4295-0140	Montvale Sewer Communication	\$ 300	\$ 63	\$ 109	\$ 300	0%	\$ -	
4295-0150	Montvale Sewer Power	\$ 360	\$ 182	\$ 314	\$ 400	11%	\$ 40	27%
4295-0155	Montvale WWTP Fuel Costs	\$ 250		\$ -	\$ 250	0%	\$ -	#DIV/0!
4295-0161	Montvale Sewer Property Insurance	\$ 808	\$ 480	\$ 827	\$ 910	13%	\$ 102	10%
4295-0240	Montvale Sewer Sampling & testing	\$ 14,000	\$ 101	\$ 174	\$ 4,000	-71%	\$ (10,000)	2202%
4295-0411	Montvale Sewer DEQ Charges	\$ 2,400	\$ 2,353	\$ 2,353	\$ 2,400	0%	\$ -	2%
<b>4295</b>	<b>Montvale Sewer Treatment Costs</b>	<b>\$ 49,618</b>	<b>\$ 11,207</b>	<b>\$ 17,618</b>	<b>\$ 26,260</b>	<b>-47%</b>	<b>\$ (23,358)</b>	<b>49%</b>
4296-0100	Montvale Sewer Collection Supplies				\$ 4,000			
4296-0110	Montvale Sewer Collection Contracted Services				\$ 2,500			
4296-0115	Montvale Sewer Collection Repairs & Improvements							
4296-0150	Montvale Sewer Collection Power							

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4296-0155	Montvale Sewer Collection Fuel Costs							
4296-0240	Montvale Sewer Collection Sampling & Testing							
<b>4291</b>	<b>Montvale Sewer Collection System Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,500</b>			
4340-0100	Mariners Landing Sewer Supplies	\$ 25,000	\$ 19,691	\$ 33,951	\$ 37,000	48%	\$ 12,000	9%
4340-0105	Mariners Landing Sewer Chemicals	\$ 4,500		\$ -	\$ 1,500	-67%	\$ (3,000)	#DIV/0!
4340-0140	Mariners Landing Sewer Contracted Services	\$ 40,000	\$ 11,098	\$ 19,134	\$ 30,000	-25%	\$ (10,000)	57%
4340-0115	Mariners Landing Sewer Sludge Tipping Fees			\$ -		#DIV/0!	\$ -	#DIV/0!
4340-0140	Mariners Landing Sewer Communication	\$ 300	\$ 12,044	\$ 12,464	\$ 840	180%	\$ 540	-93%
4340-0150	Mariners Landing Sewer Power	\$ 24,159	\$ 14,558	\$ 25,100	\$ 28,000	16%	\$ 3,841	12%
4340-0155	Mariners Landing Sewer Fuel Costs	\$ 4,200		\$ -	\$ 2,000	-52%	\$ (2,200)	#DIV/0!
4340-0161	Mariners Landing Sewer Insurance	\$ 1,727		\$ -	\$ 1,727	0%	\$ -	#DIV/0!
4340-0240	Mariners Landing Sewer Sampling & Testing	\$ 2,400		\$ -	\$ 1,500	-38%	\$ (900)	#DIV/0!
4340-0411	Mariners Landing Sewer DEQ Permit Fees	\$ 2,400		\$ -		-100%	\$ (2,400)	#DIV/0!
	<b>Mariners Landing Sewer Costs</b>	<b>\$ 104,686</b>	<b>\$ 57,391</b>	<b>\$ 90,649</b>	<b>\$ 102,567</b>	<b>-2%</b>	<b>\$ (2,119)</b>	<b>13%</b>
4350-0100	Cedar Rock Sewer Supplies	\$ 15,000	\$ 1,939	\$ 3,342	\$ 10,000	-33%	\$ (5,000)	199%
4350-0105	Cedar Rock Sewer Chemicals	\$ 700	\$ 283	\$ 488	\$ 700	0%	\$ -	43%
4350-0110	Cedar Rock Sewer Contracted Services	\$ 20,000	\$ 6,266	\$ 10,803	\$ 12,000	-40%	\$ (8,000)	11%
4350-0115	Cedar Rock Sewer Sludge Tipping Fees			\$ -		#DIV/0!	\$ -	#DIV/0!
4350-0140	Cedar Rock Sewer Communication	\$ 800	\$ 411	\$ 709	\$ 800	0%	\$ -	13%
4350-0150	Cedar Rock Sewer Power	\$ 5,100	\$ 4,666	\$ 8,045	\$ 9,000	76%	\$ 3,900	12%
4350-0155	Cedar Rock Sewer Fuel Costs	\$ 600		\$ -	\$ 500	-17%	\$ (100)	#DIV/0!
4350-0161	Cedar Rock Sewer Property Insurance	\$ 170	\$ 52	\$ 90	\$ 100	-41%	\$ (70)	12%
4350-0240	Cedar Rock Sewer Sampling & Testing	\$ 1,000	\$ 269	\$ 464	\$ 700	-30%	\$ (300)	51%
4350-0411	Cedar Rock Sewer DEQ Permit Fees	\$ 2,400	\$ 2,353	\$ 2,353	\$ 2,400	0%	\$ -	2%
	<b>Cedar Rock Sewer Costs</b>	<b>\$ 45,770</b>	<b>\$ 16,239</b>	<b>\$ 26,294</b>	<b>\$ 36,200</b>	<b>-21%</b>	<b>\$ (9,570)</b>	<b>38%</b>
4360-0100	Paradise Point Water Supplies	\$ 2,000		\$ -	\$ 2,000	0%	\$ -	#DIV/0!
4360-0105	Paradise Point Water Chemicals	\$ 5,000		\$ -	\$ 5,000	0%	\$ -	#DIV/0!
4360-0140	Paradise Point Water Contracted Services	\$ 5,000	\$ 3,584	\$ 6,179	\$ 5,000	0%	\$ -	-19%

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4360-0140	Paradise Point Water Communication	\$ 300	\$ 3,425	\$ 3,425	\$ 300	0%	\$ -	-91%
4360-0150	Paradise Point Water Power	\$ 5,000	\$ 577	\$ 995	\$ 5,000	0%	\$ -	403%
4360-0155	Paradise Point Water Fuel Costs	\$ 100		\$ -	\$ 100	0%	\$ -	#DIV/0!
4360-0161	Paradise Point Water Insurance			\$ -	\$ -	#DIV/0!	\$ -	#DIV/0!
4360-0240	Paradise Point Water Sampling & Testing	\$ 2,000	\$ 395	\$ 681	\$ 550	-73%	\$ (1,450)	-19%
4360-0410	Paradise Point Water VDH fees	\$ 63	\$ 72	\$ 72	\$ 74	17%	\$ 11	2%
<b>Paradise Point Water Expenses</b>		<b>\$ 19,463</b>	<b>\$ 8,053</b>	<b>\$ 11,352</b>	<b>\$ 18,024</b>	<b>-7%</b>	<b>\$ (1,439)</b>	<b>59%</b>
4300-0100	Schools WWTP Supplies	\$ 10,000	\$ 2,442	\$ 4,210	\$ 5,000	-50%	\$ (5,000)	19%
4300-0105	Schools WWTP Chemicals	\$ 10,000	\$ 1,498	\$ 2,582	\$ 3,500	-65%	\$ (6,500)	36%
4300-0110	Schools WWTP Contracted Services	\$ 15,000	\$ 800	\$ 1,379	\$ 15,000	0%	\$ -	988%
4300-0240	Schools Testing	\$ 7,000	\$ 5,017	\$ 8,650	\$ 7,000	0%	\$ -	-19%
4310-0110	Closed Schools Contracted Services	\$ -		\$ -	\$ -	#DIV/0!	\$ -	
4320-0100	Franklin County Supplies	\$ 12,000	\$ 7,714	\$ 13,301	\$ 12,000	0%	\$ -	-10%
4320-0105	Franklin County Chemicals	\$ 12,000	\$ 6,064	\$ 10,455	\$ 12,000	0%	\$ -	
4320-0240	Franklin County Sampling & Testing	\$ 15,000	\$ 4,139	\$ 7,136	\$ 12,000	-20%	\$ (3,000)	68%
<b>4300</b>	<b>Contract Operations</b>	<b>\$ 81,000</b>	<b>\$ 27,673</b>	<b>\$ 47,713</b>	<b>\$ 66,500</b>	<b>-18%</b>	<b>\$ (14,500)</b>	<b>39%</b>
<b>Total Operating Expenditures</b>		<b>\$ 11,256,054</b>	<b>\$ 5,624,360</b>	<b>\$ 9,586,356</b>	<b>\$ 12,283,962</b>	<b>9.1%</b>	<b>\$ 1,021,408</b>	<b>28.1%</b>
		<b>\$ 0</b>						

Depreciation							
4400-0810	Office Depreciation	\$ 151,840	\$ 74,911	\$ 129,157	\$ 13,000	-91%	-90%
4400-0811	Information Systems Depreciation	\$ 48,933	\$ 29,556	\$ 50,959	\$ 51,000	4%	0%
4400-0812	Vehicles & Equipment Depreciation	\$ 147,568	\$ 172,021	\$ 296,589	\$ 300,000	103%	1%
4400-0813	Forest Water Depreciation	\$ 573,566	\$ 438,653	\$ 756,298	\$ 760,000	33%	0%
4400-0814	Lakes Water Depreciation	\$ 26,316	\$ 19,472	\$ 33,573	\$ 35,000	33%	4%
4400-0815	SML Central Depreciation	\$ 329,609	\$ 234,536	\$ 404,372	\$ 410,000	24%	1%
4400-0816	Stewartsville Water Depreciation	\$ 48,895	\$ 28,522	\$ 49,176	\$ 50,000	2%	2%
4400-0817	Forest Sewer Depreciation	\$ 511,568	\$ 324,304	\$ 559,145	\$ 575,000	12%	3%

## Operating Expenses

Account #	Description	Current Fiscal Year 2021-2022			Fiscal Year 2022-2023		\$ Difference from FY 21-22 Budget	Difference from Projected June 2022
		Existing Budget	Balance as of 1/31/2022	Projected to June 2022	FY 22-23 Proposed Budget	% Difference from FY 21-22 Budget		
4400-0818	Montvale Sewer Depreciation	\$ 80,336	\$ 48,054	\$ 82,852	\$ 83,000	3%	0%	
4400-0819	Amortization Expense	\$ 1,000	\$ 317	\$ 546	\$ 600	-40%	10%	
4400-0820	Water & Sewer Studies Depreciation	\$ 35,410	\$ 15,135	\$ 26,095	\$ 27,000	-24%	3%	
4400-0821	Moneta Sewer Depreciation	\$ 444,330	\$ 261,385	\$ 450,664	\$ 451,000	2%	0%	
4400-0822	Center Sewer Depreciation	\$ 415,564	\$ 294,696	\$ 508,096	\$ 510,000	23%	0%	
4400-0823	Center Water Depreciation	\$ 438,551	\$ 249,935	\$ 430,922	\$ 440,000	0%	-57%	
4400-0824	SML WTP Facility Depreciation	\$ 3,992	\$ 472,189	\$ 814,119	\$ 820,000	20441%	1%	
4400-0825	Mariners Landing Sewer Depreciation	\$	\$ 35,850	\$ 61,810	\$ 62,000		0%	
<b>4400</b>	<b>Depreciation</b>	<b>\$ 3,257,478</b>	<b>\$ 2,699,537</b>	<b>\$ 4,654,373</b>	<b>\$ 4,587,600</b>	<b>41%</b>	<b>-1%</b>	
<b>Debt Service &amp; Interest</b>								
4500-0600	Loan Issuance Costs		\$ 15,600	\$ 15,600				
4500-0615	VRA Trustee Fees				\$ -	#DIV/0!	#DIV/0!	
4500-0625	VRA 2009 (2002 A Refunding)				\$ -	#DIV/0!	#DIV/0!	
4500-0635	VRA 2005 Interest				\$ -		#DIV/0!	
4500-0640	Lynchburg Sewer Interest	\$ 1,842	\$ -	\$ 1,842	\$ 1,754	-5%	-5%	
4500-0645	VRA 2012 Interest (2005 refunding)	\$ 102,116	\$ 60,603	\$ 102,116	\$ 62,781	-39%	-39%	
4500-0660	VRA 2014 Interest (2005 Refunding)	\$ 77,281	\$ 38,641	\$ 77,281	\$ 77,281	0%	0%	
4500-0650	Assumed Debt from Town- Interest	\$ 72,881	\$ 36,441	\$ 72,881	\$ 65,475	-10%	-10%	
4500-0665	VRA 2015 Interest	\$ 1,034,091	\$ 525,244	\$ 1,034,091	\$ 996,425	-4%	-4%	
4500-0670	VRA 2019 refunding interest	\$ 72,134	\$ 47,663	\$ 72,134	\$ 24,472	-66%	-66%	
4 4500-0675	VRA 2020- ESCO Project	\$ 143,334	\$ 73,909	\$ 143,334	\$ 134,109	-6%	-6%	
<b>4500</b>	<b>Interest &amp; Debt Service Expenditures w/o principal</b>	<b>\$ 1,503,679</b>	<b>\$ 798,100</b>	<b>\$ 1,519,279</b>	<b>\$ 1,362,297</b>	<b>-9%</b>	<b>-10%</b>	

## Debt Service Summary

### Listing of Debt

Issue	Principal Payment	Interest Payment	Total Debt Service Payment	Coverage Required		Notes:
				%	Dollars	
a. 2005 Spring			\$ -	15.0%	\$ -	Bedford County Moral Obligation
b. 2009 (2002 A refunding)			\$ -	15.0%	\$ -	Bedford County Moral Obligation
c. Lynchburg Sewer Debt	\$ 60,167.06	\$ 1,753.59	\$ 61,920.65	0.0%	\$ -	
d. 2012 (2005 Refunding)	\$ 790,000.00	\$ 62,781.25	\$ 852,781.25	15.0%	\$ 127,917.19	Bedford County Moral Obligation
e. 2014 (2005 Refunding)	\$ -	\$ 77,281.26	\$ 77,281.26	15.0%	\$ 11,592.19	Bedford County Moral Obligation
f. City W&S Debt	\$ 490,011.79	\$ 65,474.62	\$ 555,486.41	1.0%	\$ 5,554.86	assumed debt from City
g. 2015 Fall VRA	\$ 830,000.00	\$ 996,425.01	\$ 1,826,425.01	15.0%	\$ 273,963.75	SMLWTP project
h. 2019 (2009 refunding)	\$ 955,000.00	\$ 24,471.88	\$ 979,471.88	15.0%	\$ 146,920.78	Bedford County Moral Obligation
i. 2020 VRA (ESCO)	\$ 185,000.00	\$ 134,109.39	\$ 319,109.39	15.0%	\$ 47,866.41	
j. Totals	\$ 3,310,178.85	\$ 1,362,297.00	\$ 4,672,475.85		\$ 419,027.99	

### Summary

Description	Amount
k. Total Principal and Interest (row g. above)	\$ 4,672,475.85
l. Trustee Fees	
m. Gross Debt service paid by BRWA (h.+i.+j.)	\$ 4,672,475.85
n. Bedford County Contribution	\$ (2,000,000.00)
n. Net Debt service paid by BRWA (k.-l.)	\$ 2,672,475.85

### Coverage

Required Debt Coverage, from both reserve fund accounts and operating revenue coverage (15% of total principal and interest from row a. through e. above)		\$ 413,473.13
Required Debt Coverage, for assumed debt from City (1.00% of total principal and interest from row f. above)		\$ 5,554.86
r. Total Required Debt Coverage (n.+o.)		\$ 419,027.99

## Operating Summary

<u>Revenue Sources</u>	% of Operations	Amount
Water Sales	52.02%	\$ 9,937,316
Sewer Sales	24.86%	\$ 4,748,954
Penalties	0.51%	\$ 98,000
Capital Recovery Fees	6.28%	\$ 1,200,000
Administrative Fees	0.60%	\$ 115,500
Interest	0.01%	\$ 2,400
Rental & Service Charges	1.44%	\$ 275,528
Contract Operations	1.15%	\$ 219,000
Misc	0.03%	\$ 5,000
Bedford County CIP Contribution For Debt & Other Contributions	13.09%	\$ 2,500,000
<b>Revenue from Operations</b>	<b>100.00%</b>	<b>\$ 19,101,698</b>
<u>Other Non Operating Sources</u>	% of Other Sources	
Line Dedications	74.79%	\$ 200,000
Prepay Redemptions	7.48%	\$ 20,000
Customer Line Contributions	0.00%	\$ -
County portion- cellular tower rental	17.73%	\$ 47,416
<b>Other Revenue &amp; Support</b>	<b>100.00%</b>	<b>\$ 267,416</b>
<b>Total Revenue</b>		<b>\$ 19,369,113</b>
<u>Expenditure Categories</u>	% of Operations	
Personnel Costs	42.66%	\$ 7,233,580
Administration	2.65%	\$ 448,613
Customer Service and Billing Costs	1.43%	\$ 243,250
Engineering, Maintenance and Operations	1.20%	\$ 203,171
Vehicle & Equipment Services	1.99%	\$ 336,955
Water Operations	11.64%	\$ 1,973,738
Sewer Operations	10.49%	\$ 1,778,155
Contract Operations	0.39%	\$ 66,500
<b>Direct Operating Expenses</b>	<b>72.44%</b>	<b>\$ 12,283,962</b>
<u>Debt Service</u>		
Interest & Fees	8.03%	\$ 1,362,297
Principal	19.52%	\$ 3,310,179
<b>Debt Expenditures</b>	<b>27.56%</b>	<b>\$ 4,672,476</b>
<b>Total Cash Expenditures</b>	<b>100.00%</b>	<b>\$ 16,956,438</b>
Depreciation		\$ 4,587,600
<b>Total Expenditures</b>		<b>\$ 21,544,038</b>
Operating Revenue		\$ 19,369,113
Cash Operating Expenditures		\$ 16,956,438
<b>Cash Surplus</b>		<b>\$ 2,412,676</b>

**Cash Flow Review for FY 2022-2023**  
**Estimated Balances at June 30, 2022**

<b>Cash</b>		
Regular Checking	\$	1,500,000
Cash on Hand	\$	225
Escrow Account	\$	32,037
Deposit Refund Program	\$	359,662
Capital Project and Reserve Replacement Accounts	\$	2,719,109
LGIP Operating Reserves Fund	\$	322,896
Virginia Investment Pool Reserve Fund	\$	445,513
Virginia Investment Pool Capital Projects Reserve	\$	2,503,398
Virginia Investment Pool Operating Reserves	\$	1,038,112
County Funds for new projects + BRWA EDA Funds	\$	389,685
SML WTF Depreciation Reserve (BRWA + WVWA )	\$	806,000
Debt Service Accumulation Fund	\$	2,434,381
Cash balance available July 1, 2022:		<b>\$ 12,551,018</b> a.
<b>Restricted Funds</b>		
Operating Cash minimum balance	\$	(500,000)
Escrow Account	\$	(32,037)
Deposit Refund Program	\$	(359,662)
Debt Service Accumulation Fund	\$	(2,434,381)
County Funds for new projects + BRWA EDA Funds	\$	(389,685)
WVWA Funds for projects	\$	(806,000)
Reserve Replacement Accounts (Computers, Vehicles and Meters, Water and Sewer	\$	(1,768,047)
Virginia Investment Pool Reserve Funds	\$	(3,987,023)
Total Restricted Funds:		<b>\$ (10,276,835)</b> b.
<b>Net Unrestricted Cash Available July 1, 2022 (a. + b.):</b>		<b>\$ 2,274,183</b> c.
<b>Projected Revenue and Expenses for FY 2022-2023</b>		
<b>Revenue</b>		
Operating Revenues FY 2022-23	\$	15,401,698
BC CIP Debt Service Support	\$	2,767,416
Capital Recovery Fee Revenue	\$	1,200,000
Total Revenue:		<b>\$ 19,369,113</b> d.
<b>Expenses</b>		
Operating Expenditures	\$	12,283,962
Debt Service	\$	4,672,476
Total Cash Expenditures:		<b>\$ 16,956,438</b> e.
<b>Net Operating surplus (d.- e.)</b>		<b>\$ 2,412,676</b> f.
Estimated unrestricted cash as of June 30, 2022(c. + f.)	\$	4,686,859
Capital Reserve Setaside for Vehicles Replacements	\$	324,000
Capital Reserve Setaside for Computer Equipment Replacements	\$	72,000
Meter Replacement Setaside (11 year plan, ie 10% of the meters each year)	\$	240,000
Tank Rehabilitation	\$	84,000
SML Facility Depreciation Reserve	\$	204,000
Cell Tower Funds for Economic Development	\$	-
Waterline Replacement (needed in Lakes District, old leaking systems)	\$	300,000
Sewerline Replacement (required by consent order, needed in Center District)	\$	276,000
Unrestricted Cash Available for Capital Projects:		<b>\$ 3,186,859</b> g.



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**RESOLUTION**

2022-04.02

**Approval of Operating Budget for FY 2022-2023**

At a regular meeting of the Bedford Regional Water Authority (“Authority”) Board of Directors, held in the Board Meeting Room at the Authority’s Administrative Annex Building on the 19<sup>th</sup> day of April 2022, beginning at 7:00 p.m.:

**WHEREAS**, the Board of Directors of the Authority has been presented with the FY 2022-2023 Budget, with a summary indicating Total Revenues in the amount of \$19,369,113 and Cash Operating Expenses in the amount of \$16,956,438 and Total Expenditures (including depreciation) in the amount of \$21,544,038 (the “Operating Budget Summary”); and,

**WHEREAS**, in support of the Operating Budget Summary, a Detailed Report of Revenues and Expenditures for FY 2022-2023 (the “Line Item Budget”) has been submitted to the Board indicating line item expenditures within the categories contained in the Operating Budget Summary; and,

**WHEREAS**, the Finance Committee of the Board of Directors has thoroughly reviewed this information and recommends that the Authority approve the Operating Budget as presented; now,

**THEREFORE, BE IT RESOLVED**, that after careful consideration of the Authority’s fiscal position, its anticipated revenues, its necessary expenses, as well as its bond covenants, the Board of Directors of the Bedford Regional Water Authority does hereby:

- 1) approve the Fiscal Year 2022-2023 Line Item Budget, and thereby authorize and appropriate the Total Expenditures contained in the Operating Budget Summary subject to receipt of the Revenues estimated therein; and;
- 2) authorize the Executive Director to move items with discretion within the Operating Budget Summary Categories from line item to line item, consolidate or delete line items, and otherwise spend funds in the Operating Budget Summary categories without further action on the part of the Board; and,
- 3) require that the Executive Director ensure that a report of the Revenues and Expenditures be made to the Board at its regular meetings and more often if requested.

On behalf of the Finance Committee, Member \_\_\_\_\_ made a motion to approve this resolution.

Being a motion from the committee, no second motion was needed.

Board Member Votes: \_\_\_Aye, \_\_\_Nay, \_\_\_Abstain



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**CERTIFICATION**

The undersigned secretary of the Bedford Regional Water Authority does hereby certify that the foregoing is a true, complete, and correct Resolution adopted by a vote of a majority of the Directors of the Bedford Regional Water Authority, present at a regular meeting of the Board of Directors of the Bedford Regional Water Authority duly called and held April 19, 2022 at which a quorum was present and acting throughout, and that the same has not been amended or rescinded and is in full force and effect as of the date of the above mentioned meeting.

(SEAL)

\_\_\_\_\_  
Brian M. Key, Secretary,  
Bedford Regional Water Authority



1723 Falling Creek Road  
Bedford, VA 24523-3137  
(540) 586-7679 (phone)  
(540) 586-5805 (fax)  
[www.brwa.com](http://www.brwa.com)

## RESOLUTION MEMORANDUM

**To:** BRWA Board of Directors  
**From:** Jill W. Underwood, Director of Finance  
**Date:** April 4, 2022  
**Re:** Resolution 2022-04.03: Capital Improvement Projects ("CIP")

---

Attached for your consideration is the above referenced resolution. The Finance Committee reviewed the FY 2022-2023 CIP Budget at a meeting held on March 23, 2022, which includes both internal purchases and projects; if the board concurs with the list of projects, they stated that they are prepared to make a motion to approve this resolution for the approval of the CIP budget.

**CAPITAL IMPROVEMENT PROGRAM**  
**Projects Listing**

Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	2023	Total Priority Score	Notes	Priority Score Color Codes
										20
	1	<b>PROJECTS WITH DEBT SERVICE</b>								
Central	2	<b>Energy Saving Project - Central WWTP</b>						67	Majority of the costs is in the blowers; also includes modifying the plant DO and level controls.	
	3	Central Wastewater Treatment Upgrades (VRA)	-1	2022	\$4,243,599		319,110			
	4	Central Wastewater Treatment Upgrades (Addtl)	R		\$1,038,000	1,038,000			Additional capital from residual funds to subsidize VRA loan.	
Forest	5	<b>Ivy Creek 5 &amp; 6 Design, Construction &amp; Capacity</b>	0	2023	\$12,520,000		84,771	77	Payments begin 6 months after construction is complete.	
	6	<b>Total Debt Service:</b>			<b>\$16,763,599</b>		<b>403,881</b>			
	7	<b>ARPA FUNDED PROJECTS</b>								
	8	<b>Town Projects</b>								
Central	9	Helm Street Tank Replacement	0	2023	\$2,000,000		2,000,000	46	Design and construction of a new tank and associated appurtenances.	
Central	10	Bell Town Road Waterline Extension	0	2023	\$500,000		500,000	46	Waterline extension to serve properties affected by Town landfill leachate.	
Central	11	Town & Country Subdivision Sewer Replacements	0	2023	\$2,000,000		2,000,000	46	Rehabilitation and replacement of sewer lines serving the Town & Country subdivision.	
	12	<b>Total ARPA Funding:</b>			<b>\$4,500,000</b>		<b>4,500,000</b>			
	13	<b>WATER PROJECTS</b>								
	26	<b>System Structures &amp; Tanks</b>								
Boonsboro	27	Fox Runn Booster Station - Structure repairs/replacement	0	2023	\$25,000		25,000	56	Building is in need of repair and door needs to be replaced for accessibility and security. Due to condition of building, door cannot be replaced without repairs to the structure.	
	31	<b>Operational Needs</b>								
Central	32	Forest to Lakes Permanent Booster Station	R		\$2,300,000	2,300,000		56	Needed for transferring water from Forest to Central or Lakes, or if serving all of Forest from the Lakes. Provides backup source upon failures on Route 122 water main.	
Various	35	Lead Service Line (LSL) Inventory	0	2023	\$50,000		50,000	60	EPA is requiring localities to perform an LSL inventory, replacements and compliance planning as necessary by October 2024. The inventory is the first step towards meeting this requirement.	
	36	SCADA Needs								
Various	37	SCADA Hatch Intrusion Switches for Water Tanks	0	2023	\$25,000		25,000	53	For water system security, as identified in the 2021 Risk and Resilience Assessment for 7 BRWA tanks and 3 SML tanks.	
Central	43	Central Water Upgrades								
	49	Central WTP - Install Security Alarm and Fire Alarm Systems	0	2023	\$20,000		20,000	56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.	
	51	Central WTP Replacement Turbidimeters (4)	0	2023	\$20,000		20,000	52	Replacement of the 4 existing turbidimeters that monitor particulate water quality at different stages of treatment. The existing units are failing, no longer supported by the manufacturer, and are critical for VDH compliance.	
	52	Central WTP Flocculators	0	2023	\$65,000		65,000	54	The 1st flocculator mixer has crumbled apart from rust and is not functional. The 2nd and 3rd are in similar condition. All must be replaced for proper water treatment.	
	53	Central WTP Filter Control SCADA Interface (2)	0	2023	\$35,000		35,000	39	The new valves and meters that are being installed can not be controlled using the old pneumatic levers. These interface panels will integrate all the new filter control valves, sensors and meters into one system to replace the old filter table controls which operated the old valves via water pressure.	
	54	Central WTP Motor Control Center Replacement	0	2023	\$100,000		100,000	54	Main switch gear is corroded and does not cut power, with other parts of the panel corroded. Failure of this equipment would render the plant inoperable.	
	55	Central WTP Streaming Current Monitor	0	2023	\$15,000		15,000	47	Replacement of a manual 50 year old zeta meter used for bench testing to determine optimum chemical dosage, with a streaming current monitor to provide constant monitoring of the treatment effectiveness.	
Central	56	Stoney Creek Reservoir - Ph 1 (Repairs & PER)	0	2023	\$100,000		100,000	54	Drain valve and sluice gate require replacement to operate, involving dredging to access both. Drain line is leaking and in need of repairs. A PER will review options and costs to provide access to the outside of the dam for draining the reservoir during an emergency, with design upon completion of PER.	
Central	57	Stoney Creek Reservoir - Ph 2 (Repairs / Design)	0	2023	\$100,000		100,000	54	Additional funding to complete repairs and/or design and begin installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.	
SML	60	<b>SML WTF (Costs represent shared portion with WVWA)</b>								
	61	Sewer Pump Station 4 Upgrades Ph 1 (EQ)	0	2023	\$20,000		20,000	54	Inadequate capacity at the station to handle large backwash discharge volumes from SMLWTF. An existing septic tank on site can be converted to an equilization chamber to modulate flows.	
	63	SMLWTF - Add Security System to Fire Alarm System	0	2023	\$10,000		10,000	56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.	
	64	SMLWTF GAC Pump and associated parts	0	2023	\$25,000		25,000	44	Purchase larger capacity pump, variable frequency drive and associated plumbing to enable full treatment capacities of both GAC units.	
	66	Raw Water Intake Standby Generator	0	2023	\$50,000		50,000	50	Permanent standby power generator for the SMLWTF raw water pumps to replace the older portable generator. Will reduce manpower needed to operate the portable generator and provide greater flexibility and automation.	
	68	<b>SEWER PROJECTS</b>								
	74	<b>Operational Needs</b>								
Lakes	75	Moneta WWTP								
	79	New chains on Train 1 BIOWHEELS	0	2023	\$20,000		20,000	46	Chains are showing wear and have cracked and had to replace links	
Lakes	81	Moneta Pump Stations								
	82	Blower system at pump station 1	0	2023	\$15,000		15,000	54	Reduce/eliminate gases due to low flows. Concrete in wet starting to deteriorate.	
Central	83	Central WWTP								
	89	New RAS Pump #1	0	2023	\$55,000		55,000	47	Existing pumps are 20+ years old. The primary settling tank is currently out of service due to broken railing, drives, and chains.	
	92	Replace railings and chains on primary basin #1	0	2023	\$20,000		20,000	54	Railings are currently broke and not operating (basin is being bypassed)	
	95	Carport to cover sludge dumpster	0	2023	\$8,000		8,000	31	Keep solids dry for less expensive disposal.	
Central	96	Central Sewer Pump Stations								
	97	Pump Station 3 Bank Restoration and armoring	0	2023	\$40,000		40,000	59	The creek bank has washed away at the fence line near the overflow pipe.	
	105	Pump Station 7 SCADA	0	2023	\$20,000		20,000	52	Allow remote view and ability to trend station performance.	
Mariners	108	Mariners WWTP								
	109	New control panels for both Trains	0	2023	\$25,000		25,000	46	Some of the controls are not functioning had contractor inspect and suggested replacing both control panels.	
	110	Install bracing on influent basin on Train 1 and 2	0	2023	\$20,000		20,000	51	The old bracing is rusting causing a safety hazard.	
Mariners	111	Mariners Pump Stations								
	112	Pump Stations pump replacement	0	2023	\$20,000		20,000	54	This will allow us to start replacing pumps that are 20+ years old.	
	113	Pump Station 5 SCADA	0	2023	\$10,000		10,000	57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.	
	114	Pump Station 9 SCADA	0	2023	\$10,000		10,000	57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.	
	122	<b>PURCHASES</b>								
	123	<u>Admin</u>								
	124	Key System - Phase 2A (Various sites)	0	2023	\$20,000		20,000	59		
	133	<u>Operations</u>								
Various	135	SCADA Server Architecture Reliability Enhancements	0	2023	\$78,000		78,000	59	Creates a distributed SCADA server network for redundancy and resiliency. Updates to the latest version of Ignition from 7.9 to 8.1, a major update.	
Forest	136	New London Tank Standby Generator	0	2023	\$6,000		6,000	49	For communications equipment to have power during a power outage.	
	137	<u>Engineering</u>								
	138	Fireproof Safe	0	2023	\$5,500		5,500	46	Additional space needed to store legal records.	
	142	<u>Maintenance</u>								
	143	John Deere Skid Steer	0	2023	\$90,000		90,000	36	Skid steer to be used with PM crew for easement management.	
	144	DODGE RAM 5500 with dump bed	0	2023	\$90,000		90,000	36	Additional smaller dump truck for line crews to use to ensure availability when needed.	
<b>TOTALS:</b>					<b>\$ 26,904,099</b>	<b>3,338,000</b>	<b>1,212,500</b>			



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**RESOLUTION**

2022-04.03

**FY 2022-2023 Capital Improvement Projects Approval**

At a regular meeting of the Bedford Regional Water Authority (“Authority”) Board of Directors, held in the Board Meeting Room at the Authority’s Administrative Annex Building on the 19<sup>th</sup> day of April 2022, beginning at 7:00 p.m.:

**WHEREAS**, the Board of Directors of the Bedford Regional Water Authority approved the Fiscal Year 2022-2023 Operating Budget (“Operating Budget”) resolution 2022-04.02, with Total Revenues in the amount of \$19,369,113 and Cash Operating Expenses in the amount of \$16,956,438; and,

**WHEREAS**, the total operating coverage minus replacement capital as of July 1, 2022 is projected to be \$912,676; and,

**WHEREAS**, the total Capital Recovery Fees received during FY 2022 is projected to be \$300,000 in excess of the current fiscal year approved budget amount; now,

**WHEREAS** the Finance Committee has reviewed the complete listing of proposed purchases and projects expenditures, and have recommended approval to the Board of Directors; now,

**THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Bedford Regional Water Authority does hereby approve of proceeding with the FY 2023 Capital Improvement Projects presented in the amount of \$1,212,500 with the specific authorization given to the Executive Director to add, delete, or reprioritize the items on the attached project listing as long as the total amount of the capital expenditures does not exceed the amount listed above without further board action; and,

**BE IT FURTHER RESOLVED**, that if the excess Capital Recovery Fees received in FY 2022 do not exceed the amount specified in the FY 2022 budget by the projected figure of \$300,000, then the amount of the Capital Improvement Projects funding for FY 2023 will be decreased by the corresponding amount of shortfall from the projected excess of FY 2022 Capital Recovery Fees.

On behalf of the Finance Committee, Member \_\_\_\_\_ made a motion to approve this resolution.

Being a motion from a committee, a second motion was not needed.

Board Member Votes: \_\_\_Aye, \_\_\_Nay, \_\_\_Abstain



### **CERTIFICATION**

The undersigned secretary of the Bedford Regional Water Authority does hereby certify that the foregoing is a true, complete, and correct Resolution adopted by a vote of a majority of the Directors of the Bedford Regional Water Authority, present at a regular meeting of the Board of Directors of the Bedford Regional Water Authority duly called and held April 19, 2022 at which a quorum was present and acting throughout, and that the same has not been amended or rescinded and is in full force and effect as of the date of the above mentioned meeting.

(SEAL)

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Brian M. Key, Secretary,  
Bedford Regional Water Authority

# MINUTES

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**Bedford Regional Water Authority – Board of Directors  
Regular Board Meeting – Minutes  
March 15, 2022**

A regular meeting of the Board of Directors of the Bedford Regional Water Authority (“Bedford Water”) was held on Tuesday, March 15, 2022, in the Board Meeting Room in Bedford Water’s Annex building located at 1723 Falling Creek Road in Bedford County.

Members Present:..... Bob Flynn, Chair  
Michael Moldenhauer, Vice Chair  
Jay Gray  
Thomas Segroves  
Walter Siehien

Members Absent:..... Rusty Mansel  
Kevin Mele

Staff & Counsel Present: . Brian Key – Executive Director  
Nathan Carroll – Assistant Executive Director (Virtually)  
Rhonda English – Director of Engineering (Virtually)  
Jill Underwood – Director of Finance  
Megan Pittman – Director of Administration (Virtually)  
Whitney Quarles – Engineering Manager (Virtually)

**1. Call to Order**

The meeting was called to order by the Chair at approximately 7:00 p.m. The Pledge of Allegiance and a moment of silence were conducted.

**2. Review of Agenda**

The following agenda was reviewed as shown.

1. Call to Order
  - a. Pledge of Allegiance
  - b. Moment of Silence
2. Review of Agenda
3. Public Comments
4. Approval of Minutes: February 15, 2022 – Regular Board Meeting
5. Administration Report: Presented by Megan Pittman
  - a. Public Relations
  - b. Resolution 2022-03.01: Health Insurance Renewal
6. Financial Report: Presented by Jill Underwood
  - a. Financial Statements through month end February 2022
  - b. Finance Committee Meeting Summary - March 3, 2022
  - c. Resolution 2022-03.02: Advertise Rates
  - d. Resolution 2022-03.03: Policies
7. Operations Report: Presented by Nathan Carroll
8. Engineering Report: Presented by Rhonda English
  - a. Project Reports
  - b. Resolution 2022-03.04: Ivy Creek Interceptor Divisions 5 & 6 - Acquisition of Easements

9. Executive Director's Report: Presented by Brian Key
10. Closed Session Pursuant to Section 2.2-3711 A. 1 of the Code of Virginia, specifically to review the annual evaluation of the Executive Director
11. Other business not covered on the above agenda
12. Motion to Adjourn

### 3. Public Comments

There were no public comments.

### 4. Approval of Minutes: February 15, 2022 Regular Board Meeting

The regular Board Meeting Minutes from February 15, 2022 were reviewed.

Member Segroves made a motion to approve the minutes.

Member Siehien seconded the motion.

- Board member votes:   5   Aye;   0   Nay;   0   Abstain. The motion carried.

### 5. Administration Report: Presented by Megan Pittman

#### a. Public Relations

Ms. Pittman reviewed the article in *The Bedford Bulletin* highlighting the BRWA safety person of the year: Jennifer Mitchell, Wastewater Operations Supervisor. Ms. Pittman also showed a video about how to diagnose water leaks. These videos are being created as another resource for customers on important topics. Mr. Key added that this was a request that came out of the last local government round table meeting.

#### b. Resolution 2022-03.01: Health Insurance Renewal

Ms. Pittman reviewed the health insurance rates and resolution, which shows a 7.5% increase from last year. This resolution is required before March 25<sup>th</sup> to allow the Authority to sign up for Health Insurance as an employee benefit.

At a regular meeting of the Bedford Regional Water Authority ("Authority") Board of Directors, held in the Board Meeting Room at the Authority's Administrative Annex Building on the 15<sup>th</sup> day of March 2022, beginning at 7:00pm:

**WHEREAS**, it is recognized by the Board that the provision of quality and affordable health insurance is a very important benefit to Authority employees; and,

**WHEREAS**, the Authority received the health insurance program renewal documentation from The Local Choice in February 2022, and included in the renewal are the proposed rates for Fiscal Year 2022-2023; and,

**WHEREAS**, attached to this resolution is the data showing the proposed rates which indicate the costs to the Authority to provide health insurance coverage in FY 2022-2023; and,

**WHEREAS**, if the Authority is going to proceed with renewing the health insurance coverage with the Local Choice for the next fiscal year, action needs to be taken by the Board before March 25, 2022; now,

**THEREFORE, BE IT RESOLVED**, that the Executive Director of the Authority is authorized to execute the necessary documents to renew the health insurance contract with The Local Choice program.

On behalf of the Personnel Committee, Member Moldenhauer made a motion to approve this resolution.

Being a motion from the committee, no second motion was needed.

Board Member Votes:   5   Aye;   0   Nay;   0   Abstain. The motion carried.

## 6. Financial Report: Presented by Jill Underwood

### a. Financial Statements through month end February 2022

Due to the billing system implementation and delays in sending out billing statements, disconnects were not performed in February. The monthly disconnect information can be viewed on the Tracking Data for the Customer Service Department report (lines 20 and 21) in the board packet.

The BRWA has been awarded \$57,977.71 in federal State and Local Fiscal Recovery Funds (SLFRF) through the American Recovery Plan Act (ARPA) for the COVID-19 ARPA SLFRF Municipal Utility Assistance Program. Since the arrearage balances have to be as of August 31, 2021, staff updated the amounts to reflect payments made since August 2021 and only \$35,587.74 remains outstanding under the program criteria.. The unused funds will be remitted back to the state by the County, the entity acting as the BRWA's fiscal agent for this program.

The budget goal was 67% for February with operating revenues at 65% and operating expenses at 59%. Capital Recovery fees received this FY is 75% of the total budgeted amount, with water at 58% and sewer at 134%. There were 16 new connections in Forest and one at Smith Mountain Lake during February.

Mr. Moldenhauer asked if Ms. Underwood wanted to change banks, potentially to a local bank, due to the reporting issues during the transition to Truist. Ms. Underwood said an RFP could be sent out for this; it is a big process to transition banks and could be explored after the budget is completed.

Ms. Underwood explained that the Finance Committee met and reviewed the first draft of the budget on March 3<sup>rd</sup>. The Committee will meet again on March 23<sup>rd</sup> to discuss the Capital Improvement Program. The budget will be presented to the Board at the April Board meeting.

### b. Finance Committee Meeting Summary - March 3, 2022

The Committee discussed the bill pay kiosk, which is an estimated \$80,000 to install. After staff analyzed the amount of cash payments taken in, staff recommended to not proceed with the kiosk, especially with the office opening up to the public in April. The Committee agreed to put this project on hold until the board could review it together. After discussion, the board agreed to hold off on the kiosk for now.

The next topic that was discussed was a proposed policy is to formalize the process that has been taking place for quite some time regarding the Capital Reserve Accounts.

The Committee also reviewed the Benefits policy, including updates to the percentages paid by the Authority to reflect the contribution amounts that the BRWA are paying currently. This was previously approved by the Committee and the Board a few years ago, and the policy is being updated to reflect the approved changes.

The board discussed the timing of issuing an RFP for audit services for FY 2022, expressing concern in the quick time frame in deciding for this year. The board recommended releasing the RFP after the audit is completed for FY 2022.

The Committee discussed the proposed budget. This is year nine of the rate equalization process. The goal in the past has been to keep increases less than \$3.00 per month (for both water and sewer, individually) for the average customer, and this year's rates come close to meeting that goal.

c. Resolution 2022-03.02: Advertise Rates

For the new rates to be effective on June 1, 2022, as will be seen on all bills sent out after June 30, 2022, a public hearing should be held in April of this year. There is an advertising period that is required before the hearing, and this resolution authorizes the public notice which initiates this process.

At a regular meeting of the Bedford Regional Water Authority ("Authority") Board of Directors, held in the Board Meeting Room at the Authority's Annex Building on the 15<sup>th</sup> day of March 2022, beginning at 7:00pm:

**WHEREAS**, the Authority is required to advertise and hold a public hearing prior to the approval of any rate changes; and,

**WHEREAS**, the Consolidation Agreement dated October 31, 2012 stated "Within ten (10) years of the Closing, the water and wastewater treatment rates of the Localities are expected to be substantially equalized, provided that equalization only occur through realized cost efficiencies and economies and will not be done through disproportionate increases on Bedford customers."; and,

**WHEREAS**, the Authority is in the process of preparing a draft budget for the Fiscal Year 2022-2023, and the rates necessary for the proposed revenues to exceed the proposed expenditures are included in the rates being proposed for advertisement; and,

**WHEREAS**, the Authority intends to post notice of the proposed rates on March 23, 2022 and March 30, 2022 in a newspaper of general circulation, to send copy of the notice to the governing bodies of Bedford County and the Town of Bedford, and to hold a public hearing on the new rates on April 19, 2022; now,

**THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Authority does hereby authorize the Executive Director to post notice of the changes to the rates as shown on the attached document.

On behalf of the Finance Committee, Member Segroves made a motion to approve this resolution. Being a motion from a committee, a second motion was not needed.

Board Member Votes:   5   Aye;   0   Nay;   0   Abstain. The motion carried.

d. Resolution 2022-03.03: Policies

**WHEREAS**, the Bedford Regional Water Authority (the "Authority") is a public service authority formed and existing in accordance with the provisions of Chapter 51 of Title 15.2 of the Code of Virginia, 1950, as amended, the Virginia Water and Waste Authorities Act §§ 15.2-5100-15.2-5159 (the "Act"); and,

**WHEREAS**, the Authority desires to have a comprehensive set of policies governing the manner in which the Authority conducts its regular business, and the Authority directs that these policies be grouped together into an operating policy manual; and,

**WHEREAS**, in order to formalize processes that are already being done, policy 10.33 Reserve Accounts was created to provide additional guidance for reserve accounts; and,

**WHEREAS**, revisions were needed to document the contributions for both the Authority and the employees for health insurance premiums in policy 20.20 Benefits; and,

**WHEREAS**, at a meeting that was held on March 3, 2022 the Finance Committee ("Committee") reviewed the policies noted above and has recommended the addition of and revisions to the policies to be presented to and approved by the Board of Directors of the Authority; now,

**THEREFORE, BE IT RESOLVED** by the Board of Directors of the Bedford Regional Water Authority that the above noted policies be hereby adopted by the Authority.

On behalf of the Finance Committee, Member Segroves made a motion to approve this resolution.

Being a motion from a committee, no second motion was needed.

Board Member Votes:   5   Aye;   0   Nay;   0   Abstain. The motion carried.

## 7. Operations Report: Presented by Nathan Carroll

Mr. Carroll stated that Forest had the higher amount of work accounted for in the last month, due to a valve installation, new water installations, and pipe repairs.

Mr. Carroll reported that the new disk filter at Smith Mountain Lake Water Treatment Facility is in service. Now that production at the SML WTP is not restricted by an inoperable backwash water disposal system, Water Operations will work to balance the amount of water sent to Forest from the SML WTP. This is in an effort to keep the amount of water purchased from the City of Lynchburg closer to the amount we are contractually obligated to purchase.

The 460 pump station project's substantial completion date is in June, with the final completion set for July.

## 8. Engineering Report: Presented by Rhonda English

### a. Project Reports

The parking lot project has crews onsite again with the final grade slated to be completed next week. The project is set to be fully finished by June. The department is working closely with the CIP crew on waterline replacement projects around the Laurel and Peaks Street areas in Town, focusing on the smaller galvanized water mains. The Ivy Creek Project public hearing was held on Monday. Only two people attended which resulted in a smooth and uneventful hearing. The Forest Middle School replacement project has been closed out.

### b. Resolution 2022-03.04: Ivy Creek Interceptor Divisions 5 & 6 - Acquisition of Easements

The Design-Build team has been working to secure easements for the installation of a new sanitary sewer main along Ivy Creek in the Forest area of Bedford County and into the City of Lynchburg. Ms. English amended the resolution to delete three easements due to getting that paperwork completed before the meeting. Mark and Robin Boling were deleted as well as two for Whitaker and Abbey Johnston. If the board agrees to authorize the use of eminent domain where needed, the resolution would allow this action to take place.

At a regular meeting of the Bedford Regional Water Authority ("Authority") Board of Directors, held in the Board Meeting Room at the Authority's Administrative Annex Building on the 15<sup>th</sup> of March 2022, beginning at 7:00pm

**WHEREAS**, the Bedford Regional Water Authority (the "Authority"), a public service authority formed and existing in accordance with the provisions of Chapter 51 of Title 15.2 of the Code of Virginia, 1950, as amended, the Virginia Water and Waste Authorities Act §§ 15.2-5100-15.2-5159 (the "Act"), needs to install a 30-inch and 36-inch gravity sanitary sewer main along Ivy Creek in the Forest area of Bedford County and into the western portion of the City of Lynchburg; and,

**WHEREAS**, the Director of Engineering has informed the Board of Directors of the Authority that the existing sewer system is at capacity and requires upgrading; and,

**WHEREAS**, the Director of Engineering has informed the Board of Directors of the Authority that the most suitable location for the installation of the sewer interceptor is through the adjacent private properties in Bedford County, Virginia and the City of Lynchburg, Virginia between Chapel Lane and the existing Lake Vista Pump Station on Cottontown Road; and,

**WHEREAS**, the Director of Engineering has informed the Board of Directors of the Authority a) that negotiations have not progressed with the owners of the properties listed herein, b) that the easements are needed for the new sanitary sewer line, c) the methodology used in

valuing the easements, as attached to this resolution, for purposes of making a good faith offer; and,

**WHEREAS**, the Director of Engineering has informed the Board of Directors of the Authority that the amount of property to be taken is not more than is necessary to achieve the stated public use; and,

**WHEREAS**, the Director of Engineering has determined that the Authority will need to acquire permanent easements from the following persons who own property along the proposed route as described above in Bedford County, Virginia, and in the City of Lynchburg, Virginia but who do not seem at this time amenable to a voluntary conveyance of the needed easements. The easement areas and easement values also follow;

Parcel ID: 22301003,  
Owners: Michael Nuckles  
Easement Area, Permanent: 15,168.28 square feet  
Easement Area, Temporary: 15,175.01 square feet  
Total Easement Value: \$983.91

Parcel ID: 8302900  
Owners: Michael Nuckles  
Easement Area, Permanent: 2,484.63 square feet  
Easement Area, Temporary: 2,484.63 square feet  
Total Easement Value: \$1,187.50

Parcel ID: 8206000  
Owners: Delbert & Diane Green  
Easement Area, Permanent: 52,283.06 square feet  
Easement Area, Temporary: 35,488.15 square feet  
Total Easement Value: \$13,000.00

**AND, WHEREAS**, in the event that the Authority is unable to acquire the necessary easements through negotiation with the property owners, the Director of Engineering has presented a proposed schedule for public advertisement and a public hearing for the purpose of informing the public of the need to exercise eminent domain to acquire the permanent easement; and, **WHEREAS**, such public hearing, if necessary, will be scheduled to take place at the offices of the Authority at 7:00 p.m. on April 19<sup>th</sup>, 2022 for the purpose of giving all citizens the opportunity to state their views on the exercising of eminent domain over the subject property for the purpose of acquiring the necessary sewer system easements; now,

**THEREFORE, BE IT RESOLVED** by the Board of Directors of the Bedford Regional Water Authority that (1) acquisition of the necessary sewer system easements as recommended are for the public use of a sewer interceptor and that no more private property is being taken than that which is necessary to achieve the stated public use, (2) that the calculation of the fair value of the easements is reasonable, (3) that such acquisition is hereby approved, and (4) that the Director of Engineering is hereby authorized and directed to negotiate the specific terms of easement agreements and to execute and deliver the same in consideration of the fair values as computed, or to prepare and send a good faith offer letter and, if no agreement can be reached after negotiating with the owners of the subject properties, to acquire the sewer system easements through the exercise of eminent domain; and,

**BE IT FURTHER RESOLVED**, that if the Authority is unable to negotiate successfully with the owners of the subject properties to acquire the necessary sewer system easements, the Board authorizes and directs the Director of Engineering to advertise the acquisition of the necessary easements through the exercise of eminent domain and to make appropriate arrangements, including advertising of a public notice, for the public hearing on April 19<sup>th</sup>, 2022; and,

**BE IT FURTHER RESOLVED**, that the Director of Engineering is authorized to obtain a title report, appraisal, and any other documentation needed to ascertain the values of the permanent easements; and,

**BE IT FURTHER RESOLVED**, that the Director of Engineering is authorized and directed to take such further action as shall seem to be necessary or convenient to obtain the necessary sewer easements.

Member Gray made a motion to approve this Resolution, as modified with the removal of three properties.

Member Moldenhauer made a Second to approve.

Board Member Votes: 5 Aye; 0 Nay; 0 Abstain. The motion carried.

**9. Executive Director's Report: Presented by Brian Key**

Mr. Key spoke to a few officials with Bedford County and they have agreed to host a joint Water and Sewer Committee meeting to discuss ARPA funds. The Moneta Park Waterline may be a project considered for ARPA funds.

Mr. Key stated that Clay Chastain has stated that he is appealing the circuit court's decision. This is likely to continue through litigation and the details of this issue should not be discussed in open session.

**10. Closed Session Pursuant to Section 2.2-3711 A. 1 of the Code of Virginia, specifically to review the annual evaluation of the Executive Director.**

Mr. Moldenhauer moved that the Board of Directors go into Closed Meeting pursuant to Section 2.2-3711 A.1 of the Code of Virginia (1950), as amended, to review the annual evaluation of the Executive Director. Mr. Gray seconded the motion.

o Board Member Votes: 5 Aye; 0 Nay; 0 Abstain. The motion carried.

- The board entered into closed session at approximately 8:15 pm.

At approximately 9:46 pm Member Moldenhauer moved that the board exit closed session and return to open session. Member Segroves seconded the motion.

o Board Member Votes: 5 Aye; 0 Nay; 0 Abstain. The motion carried.

- Chair Flynn moved that the Board of Directors take a roll call vote certifying that to the best of the member's knowledge only public business matters lawfully exempted from open meeting requirements under the Virginia Freedom of Information Act and only such public business matters as were identified in the motion by which the closed meeting was convened were heard, discussed, or considered in the meeting by the public body.
  - Board member votes:
    - o Aye: Bob Flynn, Jay Gray, Michael Moldenhauer, Thomas Segroves, Walter Siehien
    - o Nay: None
    - o The motion passed.

**11. Other Business**

No other business was discussed.

**12. Motion to Adjourn:**

There being no further business to discuss, Member Segroves made a motion to adjourn and Member Gray seconded the motion.

• Board member votes: 5 Aye; 0 Nay; 0 Abstain. The motion carried.

The meeting adjourned at approximately 9:48 pm.

# OPERATIONS REPORT

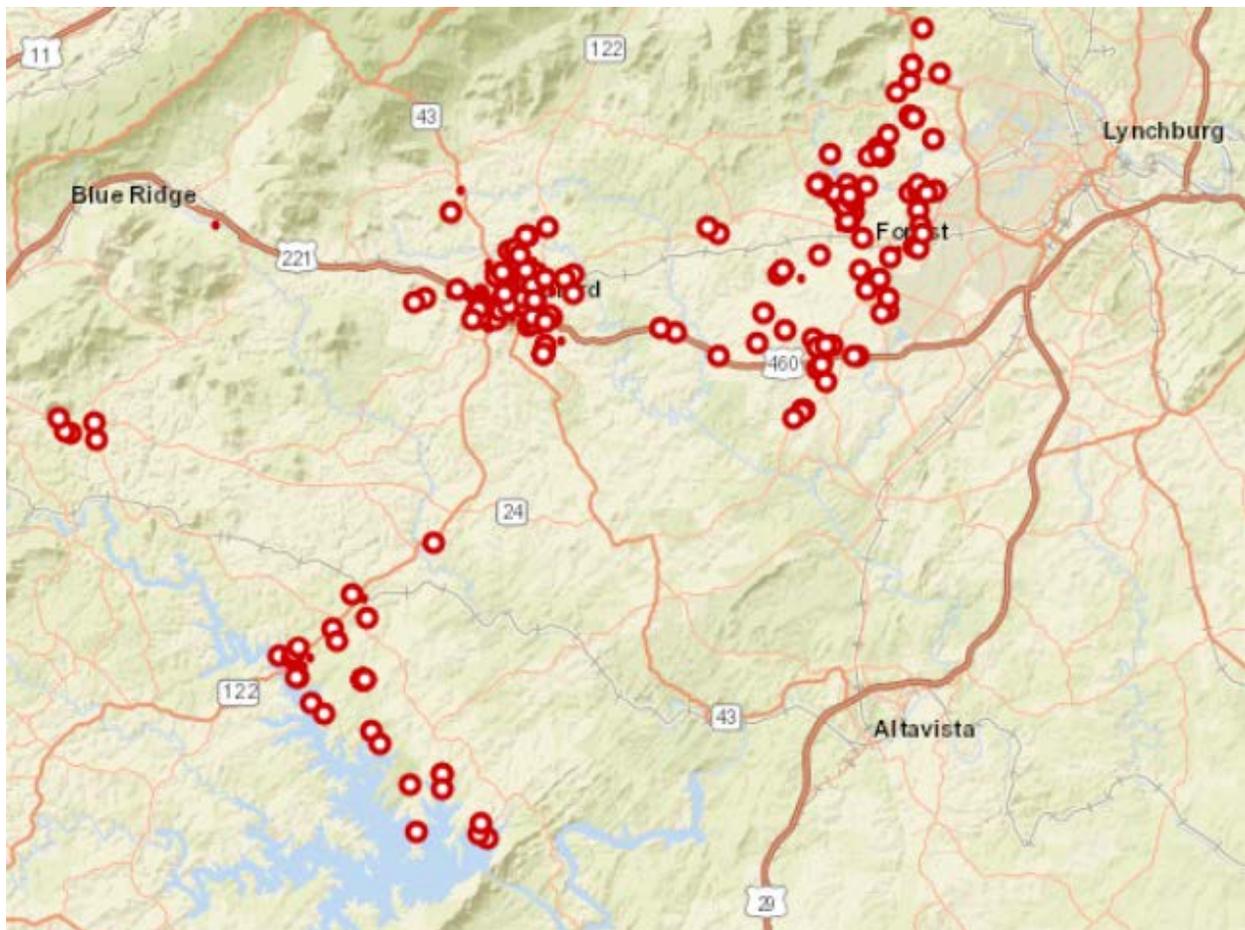
# MEMORANDUM

**To:** BRWA Board of Directors  
**From:** Nathan Carroll, Assistant Executive Director  
**CC:** Brian Key, Executive Director  
**Date:** April 6, 2022  
**Re:** March 2022 Cartegraph Tasks Report

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## Completed Tasks Summary

Below is a map showing the distribution of the Cartegraph Tasks marked complete across our Service Areas in the month of March.



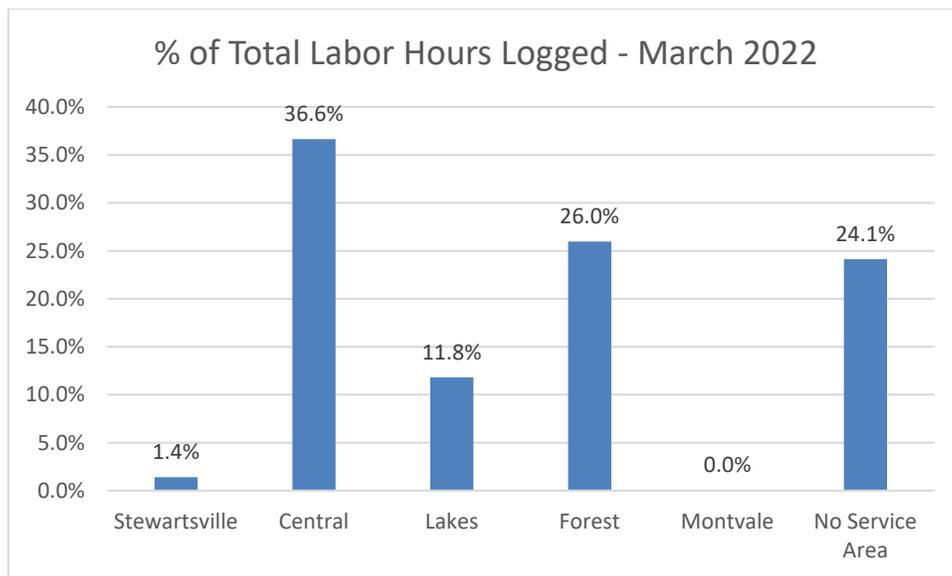
*Figure 1: Map Showing Distribution of March Tasks Completed*

## Labor Hours Invested by General Service Area

Below is a table containing the percentage of labor hours logged by General Service Area. The “General Service Area” groupings of the actual Service Areas are described below.

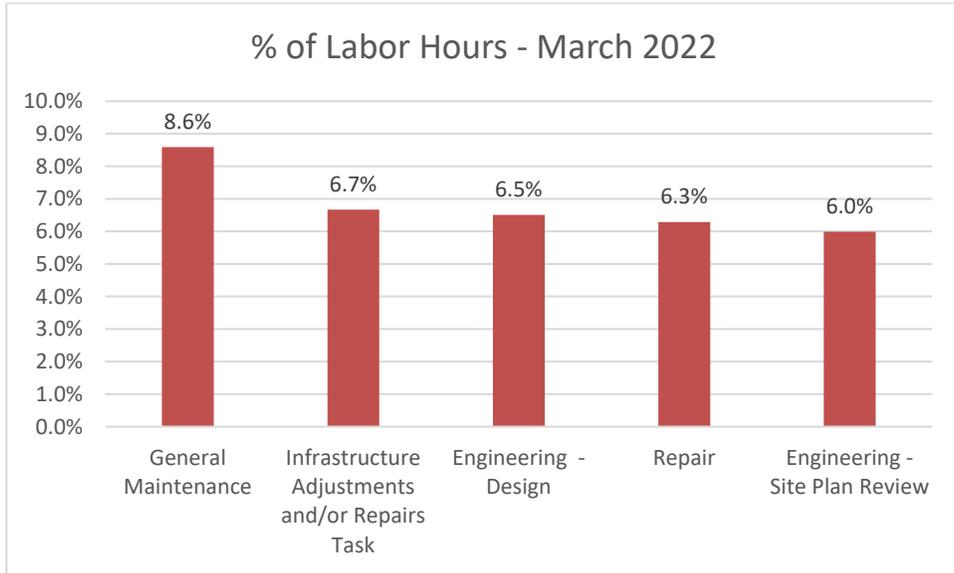
Generally, the Central Service Area leads the way due to Pipe Repair Tasks; however, Maintenance has been working on a number of difficult to replace water meters, which is the work that places Central in the top spot for the month of March.

- **Stewartsville:** Stewartsville Water
- **Central:** Central Water and Sewer, including Treatment, Distribution, and Collection systems and BRWA Offices
- **Lakes:** Well Systems, SML Treatment and Water Distribution, SMLWTF, Moneta Sewer Treatment and Collection, Mariner’s Landing Water and Sewer, Paradise Point (May 2021)
- **Forest:** Forest Water, Forest Sewer, Cedar Rock Sewer
- **Montvale:** Montvale Sewer Treatment and Collection
- **No Service Area:** Labor not assigned to a particular service area such as meetings or vehicle maintenance.



**Labor Hours by Task Type**

Below are the top five types of Tasks (by labor hours) completed in March, with General Maintenance Tasks in the top category for the month. Thirty-four percent of the total labor hours logged for the month are accounted for in these top five Task types.



# ADMINISTRATION REPORT

[https://newsadvance.com/news/local/govt-and-politics/bedford-county-supervisors-talk-broadband-expansion-moneta-park-improvements/article\\_04cfedfc-af71-11ec-9091-ff01547ac4a8.html](https://newsadvance.com/news/local/govt-and-politics/bedford-county-supervisors-talk-broadband-expansion-moneta-park-improvements/article_04cfedfc-af71-11ec-9091-ff01547ac4a8.html)

ALERT TOP STORY

bedford county board of supervisors

## Bedford County supervisors talk broadband expansion, Moneta Park improvements

Shannon Kelly

Mar 29, 2022

**B**EDFORD — Bedford County's broadband initiative continued moving forward Monday with county supervisors' approval of service expansion, and improvements are on the way for Moneta Park.

The Bedford County Board of Supervisors unanimously approved a resolution to enter a contract with internet provider ZiTel to install fiber along approximately 5.4 miles down Audubon Drive, which is off U.S. 501 about a mile north of Boonsboro Elementary School.

The project, which could serve up to 25 additional locations, is projected to take about 90 days to complete, and should be finished by June 30, according to the contract. The fiber would be entirely buried.

Already, 16 residents along the route have indicated interest in becoming ZiTel customers with the expanded fiber installation.

Bedford County administrator Robert Hiss said the expanded project is largely in response to a number of Audubon Drive-area residents who spoke during the public comment period at a board of supervisors meeting last year, sharing their struggles of trying to work remotely and conduct virtual school due to a lack of reliable high-speed internet access. Having seen some neighbors joining ZiTel's service and finding success with it, they requested the board to consider ways to extend fiber optic internet access to their area.

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- 1 Charges dropped against N.C. man in case tied to 17-year-old's death in Amherst County**
- 2 Monelison fire department, community mourns passing of longtime member Ernie Cash**
- 3 Butcher and Stebbings, lifelong friends, key to JF's quick start to 2022 season**
- 4 Watch Now: VDOT taking public input on planned Va. 151-US 29 intersection upgrade**

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The county will use American Rescue Plan Act money to cover its project cost share of \$80,393, according to Bedford County documentation and staff.

Expanding internet access to unserved and underserved areas of Bedford County to achieve universal broadband access remains a top priority for the board.

Also during Monday's meeting, supervisors unanimously moved to approve steps toward improvement projects to Moneta Park, which is on Rucker Road, close to Smith Mountain Lake.

For some time, the need for access to a waterline at this park has been identified in order to support future park development and infrastructure. District 2 supervisor and board vice chair Edgar Tuck, in particular, has inquired of county staff about the status of the Moneta Park and waterline project during the past couple of months.

According to county documentation, Moneta Park especially needs turf improvement, and the addition of multi-use playing fields. Access to a waterline would aid in this future development.

To be constructed with the Bedford Regional Water Authority, the waterline comes with a total project price of more than \$430,000, with about \$2,500 per year in ongoing operating expenses once completed, according to county documentation and

Wyatt Woody, Bedford County parks and recreation director.

A significant portion of the project funding already is budgeted for and available in the county's capital improvement plan. To cover the remaining \$101,000 of the project, county staff proposed budgeting for the cost over future fiscal years. The cost estimate for this project came in under the projected amount, according to county finance department staff, resulting in some savings.

Additionally, Moneta Park is slated to get ballpark lights installed.

Four light pole systems were left over following a Liberty Middle School construction project, and afterward the lights were recovered and stored at Moneta Park, according to county documentation. Appalachian Power Company said they would install the pole systems. The project would take an estimated four weeks following the signing of a contract.

The Bedford County CIP money will cover the almost \$76,700 quoted cost of installation. An ongoing operating cost of an estimated \$500 per year was noted by Woody.

**By Shannon Kelly**

(434) 385-5489

[https://www.smithmountaineagle.com/news/article\\_d85b8f78-b601-11ec-97c6-d335422f3d2e.html](https://www.smithmountaineagle.com/news/article_d85b8f78-b601-11ec-97c6-d335422f3d2e.html)

## Moneta Park reconstruction moving forward

Taylor Berger  
Smith Mountain Eagle  
Apr 7, 2022

The ongoing reconstruction at Moneta Park was briefly discussed at the latest Bedford County Board of Supervisors meeting Monday, March 28.

Parks and Recreation Director Wyatt Woody III brought up two items that needed a resolution: the repairing of ballfield lights and water line construction at Moneta Park.

The ballfield lights was originally brought to the board's attention during the March 14 meeting. Woody requested the installation of existing ballfield lights at the park. He noted that there are four light poles that were left over from the new Liberty Middle School construction project, and these lights have been recovered and are stored at Moneta Park.

The service provider, Appalachian Power, will install the four light pole systems for the quoted price of \$76,696. The estimated time for the completion is four weeks from Appalachian Power's receipt of the signed contract.

Prior to this, the board approved the CIP funding of this project, and there are sufficient funds of \$107,178 available for the ongoing reconstruction of Moneta Park.

The final resolution was unanimously approved.

The second item that was brought before the board was the water line construction at Moneta Park as the park is in need of existing "turf improvement" and additional multi-use playing fields. The needed access to a water line would allow future development (irrigation) of the park to fit the needs of the community.

The Bedford Regional Water Authority received bids on the project that would provide an 8-inch water line from the entrance of Moneta Park. Wells Construction provided the low bid of \$391,157.25, and with the addition of a 10 percent contingency, the estimate would be

\$430,273.

The Bedford County Board of Supervisors gave unanimous approval for the county administrator to enter into a contract with Wells Construction for the construction of a water line to Moneta Park at the proposed cost of \$391,157.25, plus 10 percent contingency.

According to the resolution, the Parks and Recreation Department has \$328,927 available, and an additional \$101,346 was included in the proposed Fiscal 23-27 Capital Improvement Plan.

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[https://smithmountainlake.com/news/local/bedford-county-supervisors-talk-broadband-expansion-moneta-park-improvements/article\\_59b93732-b689-11ec-b1f4-9ff2c2d37770.html](https://smithmountainlake.com/news/local/bedford-county-supervisors-talk-broadband-expansion-moneta-park-improvements/article_59b93732-b689-11ec-b1f4-9ff2c2d37770.html)

BEDFORD COUNTY

## Bedford County supervisors talk broadband expansion, Moneta Park improvements

Shannon Kelly

434-385-5489

Apr 8, 2022

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### People are also reading...

- 1 **House Hunting –A True Story**
- 2 **Smith Mountain Dam boat barrier repaired**

### **3 Responders Race and Family Fun Day returns April 30**

### **4 On the Fly**

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The county will use American Rescue Plan Act money to cover its project cost share of \$80,393, according to Bedford County documentation and staff.

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# ENGINEERING REPORT

<b>Job #:</b> 2017050	<b>Job Type:</b> Internal	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 3/29/2022
<b>Job Name:</b> Bell Town Road Waterline Extension (ARPA)		<b>Funding/Budget:</b> \$500,000.00	
		<b>Funding Source:</b> ARPA - Town	<b>Department Contact:</b> W Quarles & J Dean
<b>Engineer:</b> Engineering Concepts		<b>Design Contract Amt:</b> \$44,465.00	
<b>Contractor:</b>		<b>Construction Contract Amt:</b>	
<b>Description:</b> The City extended the waterline in 2004 (JN 2004-121) and again in 2007 (JN 2007-159) to take care of wells that were impacted by leachate. The next group of homes east of Draper Road would like the service extended to them.			
<b>Status:</b> The Town has asked for assistance from the BRWA. Design proposal received on 10/18/2021 to be accepted once BRWA receives executed MOU from the Town. Design proposal accepted from Engineering Concepts, Inc. on 12/2/2021. Dsgn 01 rec'd 3/29/22.			

<b>Job #:</b> 2018062.2	<b>Job Type:</b> Internal	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 2/3/2022
<b>Job Name:</b> BRWA Administration Parking Lot - North		<b>Funding/Budget:</b> \$700,000.00	
		<b>Funding Source:</b> CIP	<b>Department Contact:</b> R English \ W Quarles \ S Dade
<b>Engineer:</b> Wiley\Wilson		<b>Design Contract Amt:</b> \$45,300	
<b>Contractor:</b> J+M Infrastructure, RR Mann		<b>Construction Contract Amt:</b> \$619,541+\$33,232	
<b>Description:</b> Addition of a parking lot at the north side of the BRWA administration facilities.			
<b>Status:</b> Concept drawing received from W\W 7/19/2019; awaiting approval of additional land from County. Design proposal received 7/24/19, revised 8/16, executed 8/26. Survey completed week of 8/26/19. Design concept rec'd 11/14/19, comments sent 12/3. County approved transfer of land, including a revised 150' strip where 115' previously added to lease. Additional revisions sent to W\W 1/10 in reference to additional land and parking. Area graded for mobile unit was surveyed by W\W on 2/20 to incorporate into final design. Plans submitted to County late April for review. Contract executed for additional costs due to changes requested. Received E&S approvals and comments from County on 1st plan submittal; VDOT comments rec'd 7/9/20 indicating waiver request for new entrance would require review by regional office and possibly another 3 month's review time. Revised plans were submitted for VDOT review on 8/4/20. Nutrient purchase agreement and invoice were received 8/3. WW notified on 12/4/20 of VDOT comments sent to County in 10/2020 but not delivered to BRWA or W\W. W\W removing new entrance to address VDOT comments. Pricing received from Annual Contractor on 3/1/21; will phase project to available budget and construct public parking lot at a later time. County plan approvals valid for 5 years once issued. VDOT appv'l rec'd 4/20/21. Revised scope received from 1st annual contractor (J&B) approx \$25k over budget; requesting scope from AJ Conner within \$300k budget. VDOT Land Use Permit 216-28696 rec'd 6/22/21. County Land Disturbing Permit - #LD190109 rec'd 7/29/21. NTP issued on 8/9/2021. Construction began 8/11/2021. Board approved additional funding in the amount of \$400k totaling \$700k. 2 of 4 contractors submitted fencing pricing; awarded to RR Mann to complete between March and June.			

<b>Job #:</b> 2019061	<b>Job Type:</b> Internal	<b>Service Area:</b> Central, Lakes	<b>Last Updated:</b> 2/4/2022
<b>Job Name:</b> Energy Performance Study and Improvements		<b>Funding/Budget:</b>	
		<b>Funding Source:</b> VRA / CIP	<b>Department Contact:</b> N Carroll
<b>Engineer:</b> Schneider Electric; BRES (3rd Party)		<b>Design Contract Amt:</b>	
<b>Contractor:</b> Schneider Electric		<b>Construction Contract Amt:</b> \$5,316,745	
<b>Description:</b> Evaluation of existing facilities and upgrades that can be made that reduce energy costs to create savings greater than or equal to the cost of upgrade.			
<b>Status:</b> A meeting was held 5/13/19 with Scheider Electric to discuss their basic review of improvements to the Central WWTP that could be made. DMME presented the public process on 5/14/19 and provided template documents for the initial process. Schneider will review the proposed project with the Finance Committee on 9/12/19. Project included in financial study. Board resolution passed in Jan to execute IGA upon verification of procurement processes. Virtual walk-through of Central WWTP on 4/15. Design Intent Document (DID) was reviewed with proposed Energy Control Measures (ECMs). VRA funding application submitted. Final DID prepared. Bond paperwork signed 11/5. Board approved contract at 11/2020 Board meeting. Utilities marked by locators for project survey. 90% plans reviewed; 100% drawings and material submittals expected by end of April, with deliveries scheduled to begin in September. BRES (Chris Fewster) assisting with 3rd party review of plans and submittals. Delivery of blowers is delayed. As of 9/29, all equipment ordered.; pumps, office & equipment trailers on site. Due to volume of existing underground utilities, much of electrical and communications lines being routed on sides of basins. Electrical work to begin 11/9/21. Conduit installation and belt filter press demolition began late November 2021. New belt filter press and conveyor has been delivered. Conduit installation is nearly complete. The belt filter press is installed and operating well. Training on the new press has been delayed due to COVID. Blowers are the limiting factor in the supply chain, and the Contract Completion date has been extended to 8/31/2022.			

<b>Job #:</b> 2019081.1	<b>Job Type:</b> Water	<b>Service Area:</b> Lakes	<b>Last Updated:</b>
<b>Job Name:</b> Paradise Point Waterline Replacement		<b>Funding/Budget:</b>	2/28/2022
		<b>Funding Source:</b> Setasides - Water	<b>Department Contact:</b>
<b>Engineer:</b> BRWA		<b>Design Contract Amt:</b> N/A	W Quarles
<b>Contractor:</b> TBD		<b>Construction Contract Amt:</b> TBD	

**Description:** Replacement of existing galvanized waterlines as discussed during system transfer.

**Status:** .Design being prepared by BRWA. Esmt #210007627 recorded 5/24/21. Esmt #210008066 recorded 6/1/21. Await two more easements. Requested AJ Conner to provide construction cost proposal. Cost proposal received for directional drilling 3-inch main along Hales Ford Road and is being reviewed for approval. VDOT Land Use Permit #21-28841 rec'd 11/10/21. Notice to Proceed issued to AJ Conner for construction to begin as soon as 12/6/2021. Esmt #220001654 2/10/22. Annual contractor to begin construction in March 2022.

<b>Job #:</b> 2019113	<b>Job Type:</b> Water	<b>Service Area:</b> Lakes (Bridgewater Bayt)	<b>Last Updated:</b>
<b>Job Name:</b> Bridgewater Bay Water Pressure Issues		<b>Funding/Budget:</b> \$65,000.00	2/3/2022
		<b>Funding Source:</b> CIP	<b>Department Contact:</b>
<b>Engineer:</b> Draper Aden		<b>Design Contract Amt:</b> \$5,500	W Quarles
<b>Contractor:</b> BRWA		<b>Construction Contract Amt:</b> TBD	

**Description:** 11/18/19 - BRWA Engineering was made aware of ongoing high water pressure issues in Bridgewater Bay since about mid 2019 resulting in 13 +/- individual PRV failures.

**Status:** Engineering contacted Mr. Harmon to gather as much background info as possible. WO's were issued to Preventive Maintenance (PM) 11/20/19 to set up pressure recorders to collect pressure data. First round of pressure recorder data rec'd from PM 12/5/19. Pressure results communicated to Bridgewater Bay. Money has been requested in FY - 2020-2021 budget to install main line PRV. Responded to status update request from Mr. Harmon on 8/6/20 explaining CIP budget cut due to COVID. Also e-mailed info on BRWA waterline their private FM around entrance area per Mr. Harmon's request. Mr. Harmon reported they have not been having the failures that they had previously been experiencing. Mr. Harmon contacted again on 2/3/21 asking for update on mainline PRV installation. Mainline PRV included in FY21-22 CIP request. NTP issued to DAA for design and easement. Survey for design began on 7/29. 90% Plan and Calc 01 Review Submittal Rec'd 8/31/21. VDOT Land Use Permit #216-28803 approved 10/8/21. Received quotes for materials from vendor. One outstanding easement. ESMT #210016204 11/15/21. Materials have been ordered and installation will begin once materials are received. Shop Dwg rec'd 1/19/22. Shop Dwg 02 rec'd 2/3/22. Shop Drawings approved 2/3/22.

<b>Job #:</b> 2020043.2	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest	<b>Last Updated:</b>
<b>Job Name:</b> Ivy Creek Divisions 5 & 6 Interceptors - Funding		<b>Funding/Budget:</b>	4/7/2022
		<b>Funding Source:</b> CIP	<b>Department Contact:</b>
<b>Engineer:</b> Wiley Wilson (app. only)		<b>Design Contract Amt:</b> \$5160	R English
<b>Contractor:</b> N/A		<b>Construction Contract Amt:</b> N/A	

**Description:** Funding to complete the Ivy Creek sewer line to take the Lake Vista Pump Station offline.

**Status:** PER modification completed for CWRLF funding application; application submitted on 7/8/20. Conditional approval rec'd, final approval upon SWCB meeting in December. Meeting held with DEQ and DB team on 10/7 to discuss funding process. DEQ approved funding in 12/2020. Anticipated closing on loan in Spring 2021. Request of EA exemption for 460 pump station submitted 2/12/21, approval rec'd 3/31/21. AIS exemption approved for 460 PS in May '21. EA process for Ivy Creek required to be complete prior to loan closing. Archaeological survey completed. Final EA draft submitted to DEQ on 12/3/21 for review. Public hearing advertised for 3/14/22 at Forest Library to review EA. Due to material price increases, CHA assisting with efforts to apply for DEQ grant/ARPA funds towards project.

<b>Job #:</b> 2020043.3	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest	<b>Last Updated:</b> 4/7/2022
<b>Job Name:</b> Ivy Creek Divisions 5 & 6 Interceptors		<b>Funding/Budget:</b>	
		<b>Funding Source:</b> DEQ - VCWRLF	<b>Department Contact:</b> R English \ S Foster
<b>Engineer:</b> CHA / E.C. Pace		<b>Design Contract Amt:</b> \$1,277,900	
<b>Contractor:</b> E.C. Pace		<b>Construction Contract Amt:</b> TBD	
<b>Description:</b> Design and construction of Ivy Creek sewer extension from Lake Vista to Lynchburg; includes temporary capacity measures at Lake Vista Pump Station until project completion.			
<b>Status:</b> Meeting held 1/11/21 at LVPS to review station for temporary capacity measures needed. SRP application submitted in May for 6/15/21 Planning Commission meeting. 30% drawings expected mid-May for sewer line. DB Team working on plans for temporary capacity increase at LVPS. Comments returned on 30% drawings on 5/24 and reviewed with DB on 5/27. Reviewing temporary LVPS solutions with DB on 8/11/21. Esmts #210012980 & 210012981 recorded 9/8/21. 10/5: Pipe materials difficult to find, significant cost increase. Esmts #210015229, #210015230, #210015231 & #210015232 recorded 10/26/21. 60% drawings rec'd 11/4/21 - Review completed by SWF 11/16/21, with final review by RBE and comments returned on 12/2/21. Esmt #210016351 recorded 11/17/21. Esmt #210016549, #210016550 & 210016569 recorded 11/22/21. Esmt #210018045 recorded 12/22/21. Public hearing to be scheduled to review Environmental Assessment per DEQ. ESMT's #220000674 & 220000675 recorded 1/14/22. #220000834 & #220000835 recorded 1/20/22. Working with Lynchburg on special requirements needed for easements providing benefit to Lynchburg; Lynchburg requiring deed with title search and plats. Continued discussions with 2 property owners for sewer line easements. VMRC permit advertised. Dsgn 03 rec'd 2/10/22. Reviewed to Sheet C-316. Stopped review & issued comments thus far on 2/24/22. Outstanding sewer line easements presented to the Board in March; sewer meter access easements to be addressed at a later date if needed. ESMT's #220002973 & 220002974 recorded 3/14/22. ESMT's #220003144 & 220003145 recorded 3/17/22. ESMT #220003779 recorded 3/31/22. All linework easements obtained; access easements pending. 2 line easements to be corrected with Lynchburg as Grantee.			

<b>Job #:</b> 2020043.4	<b>Job Type:</b> Water	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 4/7/2022
<b>Job Name:</b> Route 460 Water Pump Station		<b>Funding/Budget:</b> \$2,300,000.00	
		<b>Funding Source:</b> CIP	<b>Department Contact:</b> R English \ S Dade
<b>Engineer:</b> CHA / E.C. Pace		<b>Design Contract Amt:</b> \$89,000	
<b>Contractor:</b> E.C. Pace		<b>Construction Contract Amt:</b> \$2,123,813	
<b>Description:</b> Value engineering design and construction of booster station at the end of East Crest Drive.			
<b>Status:</b> Preliminary Stage contract for PPEA project executed 12/18/20. Construction Stage contract for this portion of the project anticipated early spring 2021. Working with contractor to obtain permanent electric service installed for use with temporary pump measures. In 2/2021, Bedford Electric indicated 9 month delay to obtain 3-phase transformer for site; updated delivery expected 6/1/21. Electric agreement executed 5/27. DB removed trees for electric service. VE plans rec'd and submitted to VDH on 8/2; met with DB on 8/11/21 to review. VDH verbally approved 10/5. Contract amendment #1 for construction approved at October Board meeting, along with increased budget from \$2M to \$2.3M. Contract amendment executed 10/25/21. Contractor mobilized to site 12/6/21. Construction has begun. 85% of site pipe work is complete. Foundation floor and foundation lower wall has been installed as of 3/3/2022. Ph 1 (design) paid in full in 1/2022; Ph 2 (construction) pay apps #1-4 approved total of \$638,685.60, plus \$40,400 paid for electric service.			

<b>Job #:</b> 2021004	<b>Job Type:</b> Internal	<b>Service Area:</b>	<b>Last Updated:</b> 3/31/2022
<b>Job Name:</b> Town & County Sewer Replacement		<b>Funding/Budget:</b>	
		<b>Funding Source:</b>	<b>Department Contact:</b> W Quarels
<b>Engineer:</b>		<b>Design Contract Amt:</b>	
<b>Contractor:</b>		<b>Construction Contract Amt:</b>	
<b>Description:</b>			
<b>Status:</b> Esmt's #220003307 & #220003308 recorded 3/22/22. Esmt # 220003778 recorded 3/31/22.			

<b>Job #:</b> 2021063	<b>Job Type:</b>	<b>Service Area:</b>	<b>Last Updated:</b> 4/7/2022
<b>Job Name:</b> Capital Improvement Plan 2022-2023		<b>Funding/Budget:</b>	
		<b>Funding Source:</b>	<b>Department Contact:</b> R English
<b>Engineer:</b>		<b>Design Contract Amt:</b>	
<b>Contractor:</b>		<b>Construction Contract Amt:</b>	
<b>Description:</b> Planning for proposed projects and purchases for the 2022-2023 fiscal year.			
<b>Status:</b> Preparing preliminary list and request forms to be distributed to managers for responses due 2/4. Available capital funding budget received 3/21 with proposed list and report prepared for review by Finance Committee on 3/23. Final draft of CIP to board for approval at April Board meeting.			

<b>Job #:</b> 2021064	<b>Job Type:</b> Water	<b>Service Area:</b> Lakes	<b>Last Updated:</b>
<b>Job Name:</b> Moneta Park Waterline Extension		<b>Funding/Budget:</b>	4/11/2022
<b>Engineer:</b> Hurt & Proffitt		<b>Funding Source:</b> County	<b>Department Contact:</b>
<b>Contractor:</b> TBD		<b>Design Contract Amt:</b> \$39,800	W Quarles; Jared Dean
<b>Description:</b> Proposed waterline extension down Rucker Road to Moneta Park.		<b>Construction Contract Amt:</b> TBD	
<b>Status:</b> Requested design proposal from H&P on 6/28/2021 and received 6/30/21 under review. Requested modeling from WR&A for 6-inch vs 8-inch. NTP issued to H&P for design of 8-inch watermain on 7/29. Preliminary alignment of waterline approved on 9/7/2021. SRP approved on 10/19/2021. Water Calculations 01 rec'd 10/28/21. Dsgn 01 rec'd 11/8/21. Dsgn 02 & Water Calculations rec'd 1/6/22. Design 02 Reviewed - approvable and no further comments (1/13/22); Minor comments for Calculations 02 issued 1/13/22. Bids for construction were received on 2/24/2022. Notice of Award will be issued upon County acceptance of low bid. Shop Dwg 01 rec'd 4/11/22.			
<b>Job #:</b> 2021069	<b>Job Type:</b> Water	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b>
<b>Job Name:</b> Windsor Drive Waterline Replacement (Phase II)		<b>Funding/Budget:</b>	1/10/2022
<b>Engineer:</b> BRWA		<b>Funding Source:</b> Setasides - Water	<b>Department Contact:</b>
<b>Contractor:</b> BRWA		<b>Design Contract Amt:</b> N/A	C Ward
<b>Description:</b> To replace and upgrade the existing 1" waterline along Windsor Drive with a 4" and 3" waterline which will connect into (Phase I)		<b>Construction Contract Amt:</b> TBD	
<b>Status:</b> Locate and Survey Completed 6/11/2020. Research and Design completed for review 7/30/2020. Comments rec'd 7/30/2020. Investigation for realignment underway 8/3/2020. Plans approved and ready for construction. Construction began 11/16/21. Construction completed 12/16/21. Water testing completed 12/17/21. Outstanding punchlist items to be addressed.			
<b>Job #:</b> 2021070	<b>Job Type:</b> Water	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b>
<b>Job Name:</b> Laurel Street Waterline Replacement (Phase III)		<b>Funding/Budget:</b>	2/4/2022
<b>Engineer:</b> BRWA		<b>Funding Source:</b> Setasides - Water	<b>Department Contact:</b>
<b>Contractor:</b> BRWA		<b>Design Contract Amt:</b> N/A	C Ward
<b>Description:</b> To replace and upgrade the existing 2" and 1" waterlines to a 6" waterline along Laurel Street which will connect into Phase I		<b>Construction Contract Amt:</b> TBD	
<b>Status:</b> Locate and Survey Completed 6/11/2020. Research and design underway 8/5/2020 Construction Notification Letters mailed to Residents 12/8/21. Construction started 1/10/22. Completed first pressure test on 2/4/22.			
<b>Job #:</b> 2021084	<b>Job Type:</b> Other	<b>Service Area:</b> Forest	<b>Last Updated:</b>
<b>Job Name:</b> VDOT - Intersection of Graves Mill Road & Forest Road (221)		<b>Funding/Budget:</b> \$28,788.39	4/8/2022
<b>Engineer:</b> VDOT / BRWA		<b>Funding Source:</b> VDOT	<b>Department Contact:</b>
<b>Contractor:</b> VDOT / J & M Infrastructure		<b>Design Contract Amt:</b> N/A	W Quarles
<b>Description:</b> Proposed improvement by VDOT to the intersection of Rte. 221 and Graves Mill Road and Gristmill Drive in Forest. May have conflicts with BRWA waterline.		<b>Construction Contract Amt:</b> \$28,788.39	
<b>Status:</b> Construction cost proposal from J & M Infrastructure sent to VDOT for review and approval on 8/30/2021. VDOT did not accept proposal and will move forward with their own contractor. 2 plan sheets received from VDOT for Graves Mill Road intersection and Gristmill Drive intersection. Water service to Shiloh Methodist Church in conflict with proposed retaining wall.			
<b>Job #:</b> 2021093	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest Central	<b>Last Updated:</b>
<b>Job Name:</b> Lake Vista Sewer Line Rehabilitation Study		<b>Funding/Budget:</b>	2/7/2022
<b>Engineer:</b> BRWA Preventative Maintenance		<b>Funding Source:</b> Operating	<b>Department Contact:</b>
<b>Contractor:</b>		<b>Design Contract Amt:</b>	P Alexander
<b>Description:</b> Analysis of 24" and 18" sewer line flowing into LVPS to identify any large sources of I&I and plan for rehabilitation as appropriate to limit peak flows into LVPS.		<b>Construction Contract Amt:</b>	
<b>Status:</b> PM Crew to perform condition assessment, CCTV survey, and easement clearing. All manholes and cleanouts have been located. Working on clearing the easements.			

<b>Job #:</b> 2021097	<b>Job Type:</b> Feasibility Study	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 3/4/2021
<b>Job Name:</b> Reservoir Drain Valve Analysis & Contingency Plan		<b>Funding/Budget:</b> \$15,000.00	
		<b>Funding Source:</b> CIP	<b>Department Contact:</b> R English
<b>Engineer:</b> Wiley Wilson		<b>Design Contract Amt:</b> \$14,000-\$16,000	
<b>Contractor:</b> N/A		<b>Construction Contract Amt:</b> N/A	
<b>Description:</b> DCR recommended contingency plan from a consultant prior to operating the drain valve at the reservoir, which should be operated annually.			
<b>Status:</b> Proposal received from W W including diver inspection and valve operation by Brander Smith. Contingency plan received and submitted to VDSIS 11/22/21. Diver inspection performed 12/9/21. Video received 12/16/21 of drain conduit. One significant leak found in older section of drain conduit wall. Of 3 gate valves and 2 sluice gates, the highest drain valve was operated, which is normally open. Other gate valves were not operable. Sluice gates not operable, likely due to stems and stem guides. Sediment around tower covering ~6" up inlet elbow of 2nd highest intake. Upstream sluice gate buried in sediment. Report from divers received 2/24/2022; awaiting budget estimates for repairs.			
<b>Job #:</b> 2021098	<b>Job Type:</b> Feasibility Study	<b>Service Area:</b> Stewartsville	<b>Last Updated:</b> 3/4/2022
<b>Job Name:</b> Stewartsville GAC & Rechlorination PER		<b>Funding/Budget:</b> \$30,000.00	
		<b>Funding Source:</b> CIP	<b>Department Contact:</b> R English
<b>Engineer:</b> Draper Aden		<b>Design Contract Amt:</b> \$29,150	
<b>Contractor:</b> N/A		<b>Construction Contract Amt:</b> N/A	
<b>Description:</b> Review feasibility of repurposing GAC units from High Point to remove disinfection byproducts, and to boost chlorination for adequate system residuals.			
<b>Status:</b> Proposal has been requested of Draper Aden to perform this study. Scoping meeting with DAA held 11/4/21 to finalize scope of study. Draft proposal received, reviewed, and updated; final proposal executed on 12/17/21. Project kickoff meeting held 1/6/2022. Study will be limited to strategic flushing and chlorine residual management since WVWA's acceptance of Vinton water system in 7/2022 will impact future water source and quality. Requested information submitted to DAA and update meeting held 1/27/22. Water Operations collecting samples needed for analysis in study.			
<b>Job #:</b> 2021103	<b>Job Type:</b>	<b>Service Area:</b>	<b>Last Updated:</b> 2/28/2022
<b>Job Name:</b> Central Sewer Pump Station Rehabs (4, 7, & 8)		<b>Funding/Budget:</b>	
		<b>Funding Source:</b>	<b>Department Contact:</b> W Blankenship
<b>Engineer:</b> Blue Ridge Engineering & Construction Services		<b>Design Contract Amt:</b> \$5,000	
<b>Contractor:</b>		<b>Construction Contract Amt:</b>	
<b>Description:</b>			
<b>Status:</b> PS #7 to be rehabbed in FY22; PS #7 will be replaced with Smith & Loveless pumps.. PS #4 I&I Evaluation and PS #8 Rehab slated for FY23. PS #4 Rehab slated for FY24.			
<b>Job #:</b> 2021105	<b>Job Type:</b> Other	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 2/4/2022
<b>Job Name:</b> Stoney Creek Reservoir Telemetry		<b>Funding/Budget:</b> \$10,000.00	
		<b>Funding Source:</b> CIP	<b>Department Contact:</b> N Carroll
<b>Engineer:</b>		<b>Design Contract Amt:</b>	
<b>Contractor:</b> Fairwinds Automation		<b>Construction Contract Amt:</b> \$2,500	
<b>Description:</b> Initial telemetry installation at Stoney Creek Reservoir			
<b>Status:</b> Equipment installation is nearly complete. InfoSys is working to obtain Internet access from BRISNET. InfoSys has established Internet access. Land-side wifi bridge installation is tentatively scheduled for the week of 2/08/2022. Water-side equipment installation and startup will follow as the weather conditions allow.			
<b>Job #:</b> 2021111	<b>Job Type:</b> Water	<b>Service Area:</b> Bedford Central	<b>Last Updated:</b> 4/7/2022
<b>Job Name:</b> Helm Street Tank Replacement		<b>Funding/Budget:</b> \$2,000,000.00	
		<b>Funding Source:</b> ARPA-Town	<b>Department Contact:</b> R English
<b>Engineer:</b> Whitman, Requardt & Associates (WRA)		<b>Design Contract Amt:</b> \$218,203	
<b>Contractor:</b>		<b>Construction Contract Amt:</b>	
<b>Description:</b> Replacement of existing deteriorated round tank at Helm Street with a new tank to serve the system.			
<b>Status:</b> Scoping meeting held with WRA and BRWA on 11/9 to review design options prior to design proposal. On-site meeting held 12/9 with WRA to review field conditions prior to preparing proposal. Proposal received 12/20 and under review to reduce scope where feasible. Scope revisions requested to reduce level of analysis. Revised proposal received 2/14/22 and executed 3/2/2022. Preliminary budget estimate from WRA indicates total project cost of approx. \$3.5M. Kickoff meeting scheduled for 4/12.			

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**Job #:** 2021138      **Job Type:** Internal      **Service Area:**      **Last Updated:**  
**Job Name:** Dogwood Hills Drive Culvert Replacement      **Funding/Budget:**  
**Funding Source:** Setasides - Water      **Department Contact:**  
**Engineer:**      **Design Contract Amt:** W Quarles  
**Contractor:**      **Construction Contract Amt:**  
**Description:** Culvert replacement affecting 12" waterline.  
**Status:**

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**Job #:** 2022018      **Job Type:** Internal      **Service Area:** Countywide      **Last Updated:**  
**Job Name:** Lead Compliance Planning & Implementation      **Funding/Budget:** \$50,000.00      4/7/2022  
**Funding Source:** CIP      **Department Contact:**  
**Engineer:**      **Design Contract Amt:** R English  
**Contractor:**      **Construction Contract Amt:**  
**Description:** Lead Compliance Regulations (LCR) requires Lead Service Line (LSL) inventory, replacement, and other details for a compliance plan.  
**Status:** Requested information from consultants on scope of assistance they could provide along with anticipated budget. Preliminary information and budgets received from various consultants ranging from \$50k to \$265k for consultant assistance. \$50k proposed in FY22-23 CIP. CHA assisting with grant funding application through DWSRF,

## Current Engineering Projects

## Bedford Regional Water Authority

<b>Job #:</b> 2012001	<b>Job Type:</b> Water & Sewer	<b>Service Area:</b> Central County/Bedford City	<b>Last updated on:</b> 9/7/2021
<b>Job Name:</b> Harmony in Bedford Site 1			<b>Department Contact:</b> S Foster
<b>Description:</b> 49.47 AC in County & 9.61 AC in City. Concept for proposed subdivision for 58 single family lots, 181 TH's & 5 commercial lots (EXCLUDING the US Army Corps of Eng Site).			
<b>Status:</b> TRC 1/12/12. Design Plan 01 & \$350 Review Fee rec'd 8/30/12. Courtesy comments issued 10/12/12. 2nd submittal rec'd 12/11/12 - not to PSA stds. Courtesy comments 02 issued 12/12/12. SWF/RBE met w/ Norm Walton 12/13/12. As-built 01 rec'd 11/13/13. 7/5/17 - Steve called George Aznavorian for 'annual' check on status. George was of the opinion all is done and he is willing to sign BOSQC & to contact Tom Hall with questions; stated that Tom Hall or P&O could provide as-builts if still outstanding. George also disclosed plans for a hotel coming in Fall 2017 (60-65 units). 7/17/17 - Shannell & Steve walked Phase 1 & went through project files to determine outstanding items & will compile comprehensive list w/in next three weeks as requested by RBE. "Annual" letter to be sent to Developer with comprehensive list of outstanding items in early August 2017. As-Built 02 rec'd 11/9/17. Esmnt Exhibit 01 Comments issued 12/6/17. As-Built 03 rec'd 1/17/18. 9/24/18 reached out to developer via email with outstanding project close out items. Annual project close out requirements letter mailed 9/3/20. Annual project close out requirements letter emailed 9/7/21.			
<b>Job #:</b> 2013086.2	<b>Job Type:</b> Other	<b>Service Area:</b> Central - Bedford	<b>Last updated on:</b> 7/10/2020
<b>Job Name:</b> Route 43 - Stoney Creek Bridge VDOT Improvement			<b>Department Contact:</b> S Dade
<b>Description:</b> VDOT improvements to bridge over Stoney Creek. VDOT project 0043-009-738. VDOT Structure 1010. Near Pump Station 6 and Big Otter River Intake. Affects wells for Central system. See 2013086.1 for Big Otter crossing at Pump Station 6			
<b>Status:</b> Plans received 3/10/17. Relocation of sewer lines as part of the project. Easement documents executed and returned 7/31/17. Plan revision 2 returned for comments on 8/29/17. Final Easement drawing rec'd 10/2/17. Final plans received for review 1/3/18. Executed Agmts mailed to VDOT 2/26/18. Project advertised Spring 2018. Sewer line relocation began 10/18/2018. Construction halted due to stream crossing permit requirements (fish study results). Construction planned to resume June 2019. Construction and testing complete. Working to gather close-out documents			
<b>Job #:</b> 2018055	<b>Job Type:</b> Preliminary Plan	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/12/2021
<b>Job Name:</b> Cambridge Manor Estates - Preliminary Plan			<b>Department Contact:</b> S Foster
<b>Description:</b> Preliminary layout for Country Club Meadows subdivision. 156 single family lots on public water & private septic. Roads Connecting to Everett Road and 221. Currently planned for 2 phases. Previously known as "Country Club Meadows - Prelim Plan".			
<b>Status:</b> Preliminary Plan 01 rec'd 5/9/18. TRC 5/22/18. Preliminary Plan 02 rec'd 12/07/18. Comments issued 1/16/19. Preliminary Plan 03 rec'd 2/19/20. Comments sent to Planning 3/4/20. Preliminary Plan 04 rec'd 6/29/20. Items noted are outside BRWA purview - therefore no BRWA comments on 4th submittal & BRWA ok for approval. Preliminary Plan 05 rec'd 11/30/20. 'No Further BRWA Comments' issued 12/9/20. Preliminary Plan 06 rec'd 3/16/21. Prelim Plan approvable to BRWA - comments issued to Planning 4/12/21.			
<b>Job #:</b> 2019069	<b>Job Type:</b> Site Plan w/ Existing Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 3/10/2022
<b>Job Name:</b> Impact Church Rezoning - Site Plan			<b>Department Contact:</b> J Dean
<b>Description:</b> Rezoning Applization #RZ190003 for Impact Church site layout master plan. Proposed church, sports fields and recreational facilities.			
<b>Status:</b> TRC 6/25/19. Concept 01 rec'd 6/19/19. Site Plan 01 rec'd 2/17/22. Comments sent to planning on 3/10/22.			
<b>Job #:</b> 2019117	<b>Job Type:</b> Water & Sewer	<b>Service Area:</b> Forest	<b>Last updated on:</b> 12/16/2021
<b>Job Name:</b> Westyn Village Condotels - Site/Design			<b>Department Contact:</b> S Dade
<b>Description:</b> Proposed 24 Condotel & 6 36 unit Condotel with a clubhouse. (Plan Name Changed to Westyn Village Ph II). - Changed to Apartments following successful re-zoning. One property - Public Waterline Extension and FFMV.			
<b>Status:</b> Site/Design 01 rec'd 12/06/19. Comments & Dev Pkg issued 1/31/20. Site/Design 02 rec'd 4/13/20. Site Plan 02 comments, Esmnt Exhibits 01 comments & Revised Developer Agreement issued 6/1/20. Easement Exhibit submittal 02 rec'd 6/11/20. Exhibit review comments e-mailed to Engineer 8/25/20. Project 'on-hold' pending sewer capacity issues being resolved. Signed Developer Agreement, Review & Inspection Fees rec'd 5/20/21. Site/Design 03 rec'd 6/2/21. Original Site/Dsgn 03 replaced with new revised submittal from planning. Site/Dsgn 03 rec'd 6/8/21. Appv'd by BRWA 6/11/21 for SITE PLAN purposes only & comments issued thru Planning. Still working through outstandign items needed to reach C2C status. 6/14/21 - Completed review of Esmnt Exhibits & E-Mailed Esmnt Agmnts to Developer for signature and return. Water & Sewer Calcs 01 Review comments issued 6/15/21. Esmt #210009164 & 210009165 recorded 6/22/21. Per 7/1/21 E-Mail from Planning - Planning has not yet issued Site Plan approval, Natural Resouces has recinded approval due to E&SC changes. Site/Dsgn 04 rec'd 7/7/21 (need re-review fee 7/7/21). Review completed 7/13/21. Plan is approvable by BRWA for Site Plan purposes only. Awaiting rec'pt of re-review fees before releasing comments. Re-review fees rec'd & Comments released 7/19/21. LOC# 5018577548 rec'd 7/22/21. Shop Drawings 01 rec'd 7/26/21 & approved. Water & Sewer Calcs 02 rec'd 8/4/21 - "No futher comments" issued 8/11/21. A re-zoning application has been submitted to the County proposing re-zoning the property from PCD to R-4. Site/Dsgn 05 rec'd 10/29/21 Re-review fee rec'd 11/4/21. Site/Dsgn 05 comments issued to Planning 11/4/21 - comments can be addressed at pre-con and/or As-Builts. Need 3 full size hard copies upon Planning approval. Planning appv'd Site Plan & requisite hard copies rec'd 12/10/21. C2C Issued 12/16/21.			

<b>Job #:</b> 2020020	<b>Job Type:</b> Water	<b>Service Area:</b> Forest	<b>Last updated on:</b> 5/17/2021
<b>Job Name:</b> Cambridge Manor Phase 1 - Design			<b>Department Contact:</b> S Foster
<b>Description:</b> Road & waterline plan & profile for Country Club Meadows Phase 1 (59 lot single family development). Previously known as "Country Club Meadows Phase 1 - Design".			
<b>Status:</b> Dsgn 01 rec'd 2/03/20. (Need \$400.00 base review fee). Dsgn 01 Comments & Dev Pkg issued 2/28/20. Dsgn 02 rec'd 6/30/20. Fees & Agmt have not yet been rec'd. 2nd Review Comments issued and due to Project name change & design changes a revised Dev Pkg was issued 7/31/20. Please do not accept 3rd submittal w/o Agmnt, Base Fee, Review Fees & Re-Review Fee. Dsgn 03 rec'd 11/30/20 ( need Signed Agmnt, Base Fee, Review Fees & Re-Review Fee before review completed/comments released). Review complete & Developer notified 12/31/20 via e-mail of outstandign tems needed prior to release of comments. Base fee, Review fees & Re-review fee rec'd 2/2/21; Agmnt rec'd via e-mail 2/17/21 & Review 03 comments issued 2/19/21. Dsgn 04 rec'd 3/16/21 (need Re-review fee) 3/16/21. Dsgn 04 review complete (4/19) and notified Developer need Original signed Agmnt & re-review fees prior to release of comments. Water Calcs 01 comments issued 4/28/21. Re-review fee rec'd 5/4/21. Signed Dev Agmt rec;d 5/6/21, DSGN 04 Comments released 5/17/21.			
<b>Job #:</b> 2020023	<b>Job Type:</b> Sewer	<b>Service Area:</b> Lakes	<b>Last updated on:</b> 2/3/2022
<b>Job Name:</b> Bridgewater Bay Sewer Inquiry			<b>Department Contact:</b> R English
<b>Description:</b> Bridgewater Bay HOA inquiring for BRWA to accept sewer system, and as to BRWA's responsibility for upgrades necessary to meet BRWA standards.			
<b>Status:</b> Responsibility inquiry passed to Sam Vance for legal opinion on 11/25/19; response rec'd 12/13/19 that firm was in conflict. Sent information to GFDG on 2/6/20; gathering additional info requested for legal opinion to be made. Dan Early submitted courtesy plans 12/22/20 for upgrading pump station to solids handling, stating HOA has no intent to make station public; BRWA requested project be brought to BRWA standard considering ongoing request for public acceptance. Comments were issued to D Early and Cass Tucker (HOA) on 1/21/21. No responses rec'd. D Early contacted BRWA on 1/20/22 to discuss transfer of private system to public; direction was given to verify that review comments of 1/2021 were addressed in PS upgrades to meet current standards.			
<b>Job #:</b> 2020066.2	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/7/2022
<b>Job Name:</b> FMS Pump Station Upgrades- Prepayment Request			<b>Department Contact:</b> R English
<b>Description:</b> Prepayment request to complete upgrades to Forest Middle School pump station to allow for current and future growth. Current growth related to Westin Village development.			
<b>Status:</b> Discussions held on 9/23/20 with R Orrison and D Cyrus of process and developer's responsibility for design. Prepayment request approved at October Board Meeting for \$100k less than total construction cost. Surety received; awaiting final contractor and cost information for Prepayment Agreement. Requested schedule update and information from Developer on 9/2/21 to finalize prepayment agreement; prepayment approval expires 10/20/2021. Developer rec'd zoning approvals for Westyn Ph 2 & 3 approvals; prepayment for pump station upgrades re-approved at 11/2021 Board meeting. Awaiting developer to enter construction contract prior to completion of Prepayment Agreement. Contacted D Cyrus on 3/17/22 for an update, no response rec'd.			
<b>Job #:</b> 2020066.3	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/7/2022
<b>Job Name:</b> Westyn Village Forest Middle School Pump Station Upgrades - Design			<b>Department Contact:</b> R English \ S Foster
<b>Description:</b> Upgrades to Forest Middle School pump station to allow for current and future growth. Current growth related to Westin Village development.			
<b>Status:</b> Meeting held on 12/3/20 with P&O to discuss station design. P&O working with Chris Fewster on pump station design. Revised basis of design report given to P&O on 3/1/21 based on increase in proposed development. Design 01 rec'd 3/5/21, comments ret'd 3/29. Surety #5018510461 rec'd 5/17/21. Site/Dsgn 02 rec'd 5/17/21. Deve Agmnt Rec'd 5/20/21; Site/Dsgn 02 Comments issued 5/24/21. CTC application for DEQ received 6/4/21 and submitted to DEQ. Site/Dsgn 03 rec'd 6/8/21. Site/Dsgn 03 comments issued to Planning 6/23/21. Working with BCPS on Easement Agreement. Site plan approved by planning 7/29/21. Hard copies of approved plans rec'd 8/3/21. ESMT #210012251 & Deed of Release #210012252 recorded 8/24/21. BRES working with Falwell and suppliers for equipment quotes; BRES assisting Developer with submittal review. Contacted D Cyrus on 3/17/22 for an update as Phase 2 buildings well underay, no response rec'd.			
<b>Job #:</b> 2020073	<b>Job Type:</b> Water	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/7/2022
<b>Job Name:</b> West Crossing Section 4 - Design			<b>Department Contact:</b> S Foster
<b>Description:</b> Road plan, waterline design and profile for section 4. 19 lots approximately 2900 LF Waterline.			
<b>Status:</b> Dsgn 01 rec'd via e-mail (pdf) 6/29/20. Hard copy rec'd 7/8/20. Comments issued 8/6/20. Dev Pkg issued 8/6/20. Need Base Fee. Need Review Fees. Need Dev Agmnt. Dsgn 02 rec'd 10/22/20. Review 02 complete 11/4/20. Base Review Fee, Review Rees & Re-review Fee for forthcoming 3rd submittal rec'd 11/17/20. Signed Developer Agmt rec'd 11/17/20. Review 02 comments issued 11/17/20. Fire Flow Test fee rec'd 1/26/21. Dsgn 03 rec'd 6/23/21. "DRAFT" comments e-mailed to Engineer 7/2/21 with option to address as slip sheets to current submittal. Water Calcs 01 comments issued 7/19/21. Water Calcs 02 Rec'd 9/25/21 & comments issued 10/5/21. Calc 03 Rec'd 10/10/21. Calc 03 Comments issued 10/18/21. Calc 04 comments issued 10/25/21 - approvable pending matching final Dsgn Plans and Plat. Water model cert rec'd from from Engineer 11/14/21. Plat was app'v'd by BRWA 7/22/21; Cost Est rec'd 11/15/21 & hard copy Surety forthcoming. Bond #107540706 rec'd 12/6/21. 12/20/21 - Rec'd E-mail from Engineer w/ full set of revised Plans w/ 3 subsequent Rev dates. E-mailed Engineer to officially submit thru Planning (Dsgn Submittal 04) and BRWA Re-Review Fee rq'd. Dsgn 04 rec'd 12/18/21. Review completed 1/11/22 - holding comments until receipt of re-review fees. Re-review fee rec'd 3/28/22. Dsgn 04 comment released. Need 3 hard copies of plans, Insp Fees, Shop Dwgs & Plat recordation. 3 hard copies rec'd			

**Job #:** 2020095      **Job Type:** Water & Sewer      **Service Area:** Forest      **Last updated on:** 3/16/2022  
**Job Name:** Boonsboro Meadows Sections 3 & 4 - Design

**Description:** Sections 3 (20 Lots) & 4 (20 Lots) of Boonsboro Meadows. Water & Sewer (LPFM).      **Department Contact:** S Dade

**Status:** Water Calcs rec'd via e-mail from H&P 8/11/20. Link to Plans rec'd from H&P 8/26/20 while awaiting official submittal through Planning. Dsgn 01 rec'd 9/28/20. Dsgn 01 & Water Calc 01 Review comments issued 10/15/20. Dev Pkg issued 10/19/20. Base Review Fee & Signed Developer Agreement rec'd 10/30/20. Review Fees rec'd 1/5/21. Dsgn 02 rec'd 1/22/21. Dsgn 02 Comments issued 2/3/21. Surety #2021-005 rec'd 2/8/21. Water Calcs 04 Rec'd 2/16/21. FM Calc 01 review completed and comments issued 2/17/21. Inspection Fees rec'd 3/8/21. Re-review fee rec'd 3/16/21. Dsgn 03 rec'd 3/16/21. Design 03 comments issued 3/31/21 – Approval pending (see review comments). Revised FM Calcs in review. Sewer FM Calcs 02 approved and comments issued 4/2/21. Hard copies of approved shop drawings rec'd 4/5/21. VDOT Design Plan review comments rec'd 4/9/21 and as a result, revised Design Plan Submittal (4th) is anticipated. Dsgn 04 rec'd 4/16/21 (awaiting re-review fee). Dsgn 04 conditionally Appv'd by VDOT & Appv'd by BRWA. NEED - \$200 rereview fee, 4 hard copies of plans and signature plats. Re-review fee rec'd 4/26/21. Contacted H&P about water calc issues discovered when attempting to complete water cert 4/28/21. Upon recpt of 4 final hard copies of plans noticed minor revision on 1st two sheets proceeded with full review (4/29/21). DSGN 05 appv'd 4/30/21. C2C issued 5/6/21. Revised Waterline Calcs 05 rec'd 6/24/21 & comments issued 6/28/21. Final Revised Water Calcs 07 appv'd and VDH Water Cert completed 7/6/21. Warranty Letter rec'd 11/12/21. As-built 01 rec'd 3/16/22.

**Job #:** 2020107      **Job Type:** Water & Sewer      **Service Area:** Forest      **Last updated on:** 1/6/2022  
**Job Name:** Boonsboro Meadows Section 5 Roadway & Water - Design

**Description:** Proposed Section 5 (Proposed 16 Lots). Consisting of Water and LPFM. Wild Doe Drive      **Department Contact:** S Foster

**Status:** Design 01 rec'd 9/28/20. Comments & Dev Pkg issued 10/26/20. Need \$400 Base Fee, Review Fees and Agmt w/ 2nd submittal. Base Review fee rec'd 11/5/20. Design 02 rec'd 10/6/21. Review fee & Signed Developer Agmt rec'd 10/7/21. Dsgn 02 and Water Calcs 02 Review Comments issued 10/15/21. Sewer FM Calcs 01 Comments issued 10/20/21. Re-review fee rec'd 11/22/21 (forthcoming 3rd submittal). Dsgn 03 rec'd 12/15/21. Plan review comments issued to Planning and Engineer notified 12/30/21. Water Calcs Submittal 03 Reviewed and comments issued 1/3/22. Sewer FM Calcs Submittal 02 review complete & comments issued.

**Job #:** 2021023      **Job Type:** Site Plan w/ Existing Utilities      **Service Area:** Forest      **Last updated on:** 3/18/2022  
**Job Name:** Parking lot at Phillips Circle - Site Plan

**Description:** Proposed office parking lot.      **Department Contact:** J Dean

**Status:** Site Plan 01 rec'd 3/8/21. Comments emailed to Planning 3/16/2021. Site Plan 02 rec'd 7/27/21. Approval Comment emailed to Planning on 7/27/2021. Site Plan approved 7/28/21. Site Plan 03 (revision) rec'd 3/16/22. No change from previous approval. Comments sent to planning 3/18/22.

**Job #:** 2021024      **Job Type:** Internal      **Service Area:** Central      **Last updated on:** 3/11/2021  
**Job Name:** Big Otter Well Abandonments

**Description:** Abandonment of wells formerly used as part of the Central water system, located behind sewer pump station 6 and within the property boundaries of 4920 Peaks Road.      **Department Contact:**

**Status:** Bob met with property owner of 4920 Peaks Rd, Rita Ragland, who requested consideration be made to abandon or maintain the well sites within her property. Information gathered on existing easements for the wells and raw waterlines.

**Job #:** 2021028      **Job Type:** Site Plan w/Proposed Utilities      **Service Area:** Lynchburg      **Last updated on:** 2/1/2022  
**Job Name:** Rock Pike Baptist Church Addition Phase 1 - Site/Design

**Description:** Proposed land use for religious assembly and waterline extension.      **Department Contact:** J Dean

**Status:** Submitted after TRC, planning request review and written comments. Concept 01 rec'd 3/22/21. Site/dsgn rec'd 7/26/21. Need \$400.00 base review fee. Comments sent to Planning & Consultant was notified on 8/25/2021. Site/dsgn 02 rec'd 9/30/21. Signed developer agreement & partial review fees rec'd (\$600.00 remaining) 10/25/21. Outstanding Review fee of \$600.00 rec'd 11/3/21. Approval Comments sent to Planning & Consultant notified on 11/3/2021. Waiting on Developer items to issue C2C. Esmt #220001298 recorded 2/1/22.

<b>Job #:</b> 2021035	<b>Job Type:</b> Water & Sewer	<b>Service Area:</b> Town	<b>Last updated on:</b> 4/5/2022
<b>Job Name:</b> 620 Railroad Ave Apartments - Site/Design			<b>Department Contact:</b> S Foster
<b>Description:</b> Proposed Multi Family (58 units) & Retail Space (2,929 SF). Water & Sewer Adjustments & FFMV.			
<b>Status:</b> FFT fee rec'd 2/17/21. FFT results emailed 3/4/21. TRC (town) 5/5/21. Concept 01 rec'd 4/30/21. Met w/ Town & Engineer 5/5/21. Issued WO for SS Assessment & Survey 5/7/21. Initial assessment & cleaning completed. CCTV, final assessment & survey forthcoming. Site Plan 01 rec'd 9/10/21. Site/Dsgn 01 Comments & Dev. Pkg. issued 9/28/21. Site/Dsgn 02 rec'd 12/8/21. Signed Dev Agmt, Review & Insepection fees rec'd 12/22/21. Site/Dsgn 02 Comments issued 12/22/21. Developer will need to submit a Qualification Statement for the listed Contractor for BRWA review or select a BRWA approved Contractor. Site/Dsgn 03 rec'd 1/12/22 & review completed 1/20/22 - re-review fee needed prior to releasing comments. Esmnt Exhibits 02 appv'd; Esmnt Agmnts prepared & sent to Owner for execution; Signed Esmnt Agmnts rec'd 2/1/22. Plumbing and More with JB, LLC approved as Contractor for project. Requested Cost Est from Developer. Esmt's #220001300 & 2200001301 recorded 2/1/22. Re-review fee rec'd 3/1/22. Site Plan 03 Comments & Project Status issued 3/1/22. Hard copy Plans rec'd 3/3/22. Followed up with Developer on status and outstanding items 3/24/22 amd 3/29/22.			
<b>Job #:</b> 2021042	<b>Job Type:</b> Fire Flow Meter	<b>Service Area:</b> Forest	<b>Last updated on:</b> 8/30/2021
<b>Job Name:</b> Vista Drive Warehouse Addition - Site Plan			<b>Department Contact:</b> J Dean
<b>Description:</b> Proposed 43,390 Square Foot Warehouse Addition.			
<b>Status:</b> TRC 4/27/21. Concept 01 rec'd 4/22/21. Site Plan 01 rec'd 6/3/21. Comments sent to Planning on 6/11/2021. Dev Agmt mailed 6/14/2021. FFT fee rec'd 6/22/21. Site Plan 02 rec'd 7/8/21. Review & Inspection fees rec'd 7/12/21. signed developer agreement & easement agreement 7/20/21. 2nd Submittal Comments sent to Planning on 7/20/2021. Surety - #B3267365 rec'd 7/26/21. Esmt #210011227 recorded 8/2/21. Site Plan 03 rec'd 8/6/21. Site Plan Approved 8/13/2021. Waiting on Approved Shop Drawings to issue C2C. Hard copies of site plan rec'd 8/16/21. Shop Drawings 01 rec'd 8/19/21. Shop Drawings approved 8/23/21. C2C issued 8/27/21.			
<b>Job #:</b> 2021043	<b>Job Type:</b> Water & Sewer	<b>Service Area:</b> Forest	<b>Last updated on:</b> 12/22/2021
<b>Job Name:</b> Jefferson Village Drive Townhomes - Site/Design			<b>Department Contact:</b> J Dean
<b>Description:</b> Proposed 9 townhouse buildings creating 56 lots.			
<b>Status:</b> TRC 4/27/21. Concept 01 rec'd 4/22/21. Site/Dsgn rec'd 11/22/21. Comments sent to planning 12/22/21.			
<b>Job #:</b> 2021058	<b>Job Type:</b> Site Plan w/ Existing Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 11/17/2021
<b>Job Name:</b> Westyn Village Phase 3 - Site Plan			<b>Department Contact:</b> S Foster
<b>Description:</b> Proposed (5) 36 unit extended stay hotels.			
<b>Status:</b> Site Plan 01 rec'd 6/7/21. Comments issued to Planning & Engineer/Developer notified 6/17/21. A re-zoning application has been submitted to the County proposing re-zoning the property from PCD to R-4. Site Plan 02 rec'd 11/10/21. Comments issued to Planning & Engineer/Developer notified 11/17/21.			
<b>Job #:</b> 2021065	<b>Job Type:</b> Sewer	<b>Service Area:</b> Bedford Central	<b>Last updated on:</b> 10/13/2021
<b>Job Name:</b> Central Sewer Modeling			<b>Department Contact:</b> W Quarles
<b>Description:</b> Development of sewer model for Central sewer service area, with focus on drainage area for Pump Station 1. (Associated with JN 2021049 Governors Hill)			
<b>Status:</b> Met with WRA 6/30/21 to review needs for model; gathering information requested. BRWA files provided to WRA on 8/3. PS #1 Summary received on 10/13/2021. Field survey needed to run sewer model.			
<b>Job #:</b> 2021083	<b>Job Type:</b> Fire Flow Meter	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/6/2022
<b>Job Name:</b> World Help Building Addition - Site Plan			<b>Department Contact:</b> Shannell Dade & Tim Hale
<b>Description:</b> Proposed warehouse addition.			
<b>Status:</b> TRC 8/10/21. Concept 01 rec'd 8/5/21. Comments 01 emailed to Planning & Engineer 8/9/21. Site Plan 01 rec'd 9/15/21. Comments 01 emailed to Planning 9/28/21. Site Plan 02 rec'd 1/5/21. Comments 02 emailed to Planning 1/25/22; Developer Package issued 1/25/22. Shop Dwh approved 2/11/22. Site Plan 03 rec'd 2/18/22. Re-review fee rec'd 3/7/22. Comments 03 emailed to Engineer 3/10/22. Site Plan 04 rec'd 3/10/22. Site Plan 04A rec'd 3/11/22. Re-review fee rec'd 3/15/22. Site Plan 04A approval emailed to Planning 3/15/22; 3 full size, hard copies requested for FFMV Developer Project purposes; awaiting Surety & Easement before issuing C2C. Developer Agmt signed 3/28/22. Surety LOC #7403000579 rec'd 3/31/22. Esmt #220003780 recorded 3/31/22. C2C issued 4/5/22.			

<b>Job #:</b> 2021089	<b>Job Type:</b> Sewer	<b>Service Area:</b> Forest	<b>Last updated on:</b> 2/1/2022
<b>Job Name:</b> Grandview Force Main 5 Relocation - Design			<b>Department Contact:</b> S Dade
<b>Description:</b> Proposed relocation of existing force main.			
<b>Status:</b> Meeting with engineer & developer 8/18/21. Design 01 rec'd 10/20/21. Review 01 Comments & Dev Pkg issued 10/26/21. Design 02 rec'd 10/27/21. Review, Inspection & Base Review fees rec'd 11/10/21. Digital Agmnt rec'd 11/17/21 - awaiting original hard copy; Design 02 comments issued 11/18/21. 12/8/21 - Hard copy plans rec'd, Cost Est rec'd and Surety Rqmnt issued. Bond #1255408 rec'd 1/6/22. PUE recorded 1/27/22; Plans 'approved for construction'. C2C issued and sent for GIS posting 2/1/22			
<b>Job #:</b> 2021099	<b>Job Type:</b> Fire Flow Meter	<b>Service Area:</b> Central	<b>Last updated on:</b> 4/5/2022
<b>Job Name:</b> Bedford Readiness Center - FFMV			<b>Department Contact:</b> S Foster
<b>Description:</b> Bedford Readiness Center fire service improvements. New FFMV.			
<b>Status:</b> Corresponding and working with the Timmons Group on FFMV requirements to meter a currently unmetered fire line. 2/4/22 - received e-mail from Timmons stating Plan was out for bids and a contractor had an RFI regarding the FFMV; Responded to Timmons with answer & reminder of outstanding items including a Site Plan for review/approval, Developer Agmnt, Esmnt, etc.. Site/Dsgn 01 rec'd 2/4/22; Comments and Dev Pkg issued 2/10/22. Site/ Dsgn Plan 02 rec'd 2/14/22. Comments issued 2/25/22. Revised Plans & Esmnt Exhibits rec'd 3/4/22. Site/Dsgn 03 rec'd 3/7/22. Developer Agreement rec'd 3/14/22. Site/Dsgn 03 and Esmnt Exhibits 02 Comments issued 3/14/22. Site/Dsgn 04 & Esmnt Exhibits 03 rec'd 3/16/22. Site/Dsgn 05 rec'd 3/23/22. Site/Dsgn 05 approvable. Esmnt Exhibits approved. Site/Dsgn 05 hard copies rec'd 3/31/22. BRWA Esmnt Agmnt format not acceptable to Virginia Department of General Services ( DGS); Requested Engineer prepare Esmnt in DGS acceptable format and submit to BRWA for review.			
<b>Job #:</b> 2021102	<b>Job Type:</b> Sewer	<b>Service Area:</b> Bedford Central	<b>Last updated on:</b> 10/6/2021
<b>Job Name:</b> Winoa Sewer System Transfer			<b>Department Contact:</b> R English
<b>Description:</b> Transfer of privately owned sewer lines and pump station serving former Winoa / Wheelabrator facilities and Bison Printing. (Also see 2021032 and 2015016)			
<b>Status:</b> Contract Operations agreement executed 9/14/21 to offer operational and maintenance assistance until transfer is completed.			
<b>Job #:</b> 2021114	<b>Job Type:</b> Internal	<b>Service Area:</b> Countywide	<b>Last updated on:</b>
<b>Job Name:</b> Program for Low Water Pressure Customers			<b>Department Contact:</b> R English
<b>Description:</b> Establishing program or policy for addressing customers with pressures at the water meter that are regularly or intermittently less than 20 psi.			
<b>Status:</b>			
<b>Job #:</b> 2021125	<b>Job Type:</b> Site Plan w/ Existing Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 2/4/2021
<b>Job Name:</b> Café Bakery Forest Road - Site Plan			<b>Department Contact:</b> J Dean
<b>Description:</b> Proposed change of use permit from retail store to family restaurant.			
<b>Status:</b> Site Plan 01 rec'd 11/18/21. Comments sent to Planning 11/24/2021. Waiting on comments to be addressed by applicant.			
<b>Job #:</b> 2021127	<b>Job Type:</b> Site Plan w/ Existing Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 2/9/2022
<b>Job Name:</b> Crazy Mason Milkshake Bar - Site Plan			<b>Department Contact:</b> J Dean
<b>Description:</b> Proposed change of use permit from retail to milkshake bar.			
<b>Status:</b> Site plan 01 rec'd 11/19/21. Comments sent to Planning Site plan approved unless FROG requirements 11/24/2021. Site Plan 02 (Amended) rec'd 2/9/22.			
<b>Job #:</b> 2021128	<b>Job Type:</b> Site Plan w/ Existing Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 3/2/2022
<b>Job Name:</b> Mercy Presbyterian Church - Site Plan			<b>Department Contact:</b> C Slusser
<b>Description:</b> Construction of a new church facility & all associated parking & stormwater facilities.			
<b>Status:</b> TRC 12/3/21. Comments 01 emailed to Planning 12/1/21. Site Plan 01 rec'd 2/17/22. Comments 01 emailed to Planning 3/2/22.			

<b>Job #:</b> 2021132	<b>Job Type:</b> Site Plan w/Proposed Utilities	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/5/2022
<b>Job Name:</b> Magnolia Wash Holdings Carwash - Site Plan			<b>Department Contact:</b> C Slusser
<b>Description:</b> Proposed Car Wash 3,500 sf			
<b>Status:</b> TRC 12/7/21. Concept 01 rec'd 12/2/21. Site Plan 01 rec'd 3/9/22. Comments 01 emailed to Planning 4/5/22.			
<b>Job #:</b> 2021136	<b>Job Type:</b> Concept	<b>Service Area:</b> Smith Mountain Lake	<b>Last updated on:</b> 4/5/2022
<b>Job Name:</b> Eastlake Community Church Building Addition - Site Plan			<b>Department Contact:</b> C Slusser
<b>Description:</b> Proposed 75' x 100' Church addition.			
<b>Status:</b> TRC 12/21/21. Concept 01 rec'd 12/16/21. Comments 01 emailed to Planning & Surveyor 12/17/21. Site Plan 01 rec'd 2/1/22. Comments 01 emailed to Planning 2/7/22. Site Plan 02 rec'd 4/5/22.			
<b>Job #:</b> 2022021	<b>Job Type:</b> Sewer	<b>Service Area:</b> Moneta	<b>Last updated on:</b> 3/17/2022
<b>Job Name:</b> Key Largo Sewer Forcemain Extension - Design			<b>Department Contact:</b> C Slusser
<b>Description:</b> Proposed sewer forcemain extension along Key Largo to serve 221-A-47.			
<b>Status:</b> Concept 01 rec'd 2/18/22; Design forthcoming. Emailed Engineer 2/22/22. Dsgn 01 & Base Fee rec'd 3/17/22.			
<b>Job #:</b> 2022026	<b>Job Type:</b> Other	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/7/2022
<b>Job Name:</b> TEVA Facility Inquiries (2150 Perrowville Road)			<b>Department Contact:</b> R English
<b>Description:</b> Bedford County Economic Development Authority (EDA) working with groups for promoting sale or lease of former TEVA / Barr Labs facility at 2150 Perrowville Road. Capacity data and inquiries stored in this file.			
<b>Status:</b> Meetings attended on 3/8 and 4/5/22 with potential tenants (REC Americas), with information provided to them on existing water and sewer caacity, and potential increased sewer capacity upon upgrade of a ~100 section downstream.			
<b>Job #:</b> 2022032	<b>Job Type:</b> Site Plan w/Proposed Utilities	<b>Service Area:</b> Moneta	<b>Last updated on:</b> 3/18/2022
<b>Job Name:</b> 11858 Moneta Road Retail - Site Plan			<b>Department Contact:</b> J Dean
<b>Description:</b> Proposed retail sales, possible flea market and sandwich counter.			
<b>Status:</b> Site Plan 01 rec'd 3/17/22. Comments sent to planning on 3/18/22.			
<b>Job #:</b> 2022033	<b>Job Type:</b> Concept	<b>Service Area:</b> Forest	<b>Last updated on:</b> 4/7/2022
<b>Job Name:</b> Goodwill Industries Forest - Concept			<b>Department Contact:</b> S Foster
<b>Description:</b> Proposed 27,130 sf. Building			
<b>Status:</b> TRC 4/12/22. Concept 01 rec'd 4/7/22.			

# Developer Dedications Fiscal Year 2021-2022

Project	Project Type	Developer	Water		Sewer		Date Put Into Service
			Project Cost Ledger Acct 1500-1000	PipeLength	Project Cost Ledger Acct 1700-0016	Pipe Length	
2020028 Innerspec Building Addition - Site Plan	Fire Flow Meter	Developer: Innerspec 2940 Perrowville Rd Forest, VA 24551 Ph: 434-948-1301	\$49,789.00	0 lf	\$0.00	0 lf	2/2/2022
2020022 Berglund Toyota - Site/Design	Fire Flow Meter	Farrell Properties Forest LLC Attn: Michael Morris 2009 Williamson Rd, NE Roanoke, VA 24012	\$98,500.00	110 lf	\$0.00	0 lf	12/22/2021
2019088 The Stables On Coffee Subdivision - Design	Water	Austin P. Hull 8480 E Lynchburg Salem Tpke Goode, VA 24556	\$51,199.00	1024 lf	\$0.00	0 lf	12/17/2021
2019085 Moneta Storage Units Lot 6 - Site Plan	Water & Sewer	NBI Development, LLC 1169 Cranberry Ct Moneta, VA 24121 Ph: 540-871-4168	\$1,400.00	0 lf	\$1,450.00	40 lf	3/17/2022
2019034 Westyn Village Townhomes 2019 - Site/Design	Water & Sewer	Owner: Jefferson Manor Investments LLC Developer: Thomas Builders of VA	\$330,756.00	1524 lf	\$426,321.60	3831 lf	12/17/2021
2018125 Forest Middle School Improvements - Site/Design	Sewer	Bedford County School Board Mac Duis Chief Operations Officer	\$0.00	0 lf	\$197,500.00	347 lf	3/3/2022
2018106.2 NLBTC Lot 7 Belvac Building - FFMV	Fire Flow Meter	Belvac Production Mechinery, Inc.	\$58,500.00	0 lf	\$0.00	0 lf	9/15/2021
2017060 Burnbridge Sewer Extension - Design	Sewer	Bedford County EDA, Tom Scott 1200 Forest Point Place Forest Virginia, 24551	\$0.00	0 lf	\$274,392.00	2054 lf	12/17/2021
2016062 Kitsmont Subdivision - Design	Water	Kitsmont, LLC Attn: Jeffery Graff 208 Tomahawk Industrial Park	\$222,460.00	4085 lf	\$0.00	0 lf	9/22/2021

Project	Project Type	Developer	Water		Sewer		Date Put Into Service
			Project Cost Ledger Acct 1500-1000	PipeLength	Project Cost Ledger Acct 1700-0016	Pipe Length	

<b>Total Value Waterline Dedications:</b>	\$812,604.00
<b>Total Length Water Pipe:</b>	6743 lf
<b>Total Value Sewer Line Dedications:</b>	\$899,663.60
<b>Total Length Sewer Pipe:</b>	6272 lf
<b>Total Value of Dedications:</b>	<b>\$1,712,267.60</b>



# CAPITAL IMPROVEMENT PROGRAM

2022 - 2025



# Table of Contents



## ***Mission Statement***

*The Bedford Regional Water Authority exists to provide its customers with high quality water and wastewater services at rates that are reasonable and just. The Authority shall anticipate the needs of the greater community by continually maintaining responsive, reliable service and through systematic expansion whenever economically possible.*



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# Our History

The Bedford Regional Water Authority (“Authority”) was created pursuant to the Water and Sewer Authorities Act Chapter 28, Title 15.1 code of Virginia of 1950, as amended. In accordance with the Reversion Agreement executed in August, 2012, the Authority was created by the Bedford County Board of Supervisors (“Supervisors”) by resolution dated November 14, 2012 and the Bedford City Council (“Council”) by resolution dated November 27, 2012.

Three of the initial members were appointed by the Supervisors on November 14, 2012, and three of the initial members were appointed by the Council on December 11, 2012. The State Corporation Commission approved the Articles of Incorporation on December 13, 2012. The first board meeting was held on December 18, 2012. The seventh board member was interviewed and recommended to the Supervisors and Council by the initial six board members at the January 22, 2013 board meeting. The seventh board member was approved by the governing bodies and sworn in prior to the February 26, 2013 board meeting.

### **Vision Statement:**

*The Authority strives to provide quality, responsive, reliable, and efficient services utilizing the latest technology and highly trained staff. Through leadership, the Authority endeavors to maintain a work environment that attracts and retains professional, highly competent, motivated, and dedicated employees.*

## **VALUES**



**CREATIVITY**



**INDEPENDENCE**



**EFFICIENCY**



**HONESTY**



**INTEGRITY**



**RESPECT**

**Providing quality service to everyone.**



# Meet Our Board of Directors



**Robert Flynn, Chair**

**Term: 2020-2023**



**Thomas Segroves, Finance Committee**

**Term: 2019-2022**



**Jay Gray, Policies and Projects Committee**

**Term: 2021-2024**



**Walter Siehien, Policies and Projects Committee**

**Term: 2019-2022**



**Kevin Mele, Finance Committee**

**Term: 2021-2024**



**Michael Moldenhauer, Vice-Chair & Personnel Committee**

**Term: 2020-2023**



**Rusty Mansel, Personnel Committee**

**Term: 2021-2024**



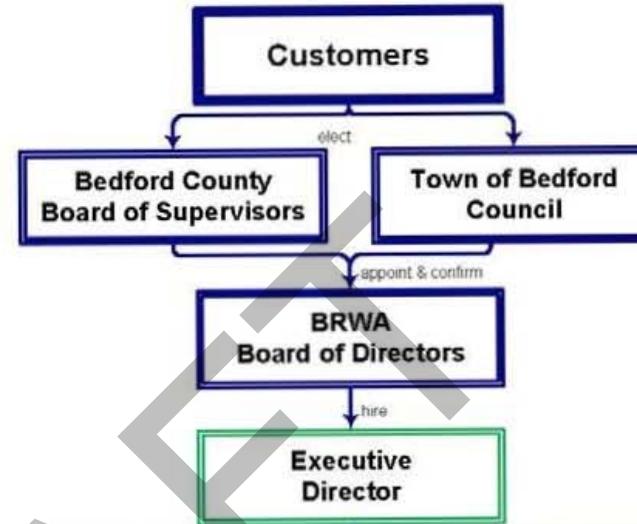
# Our Organization



**Brian M. Key, P.E.**  
Executive Director

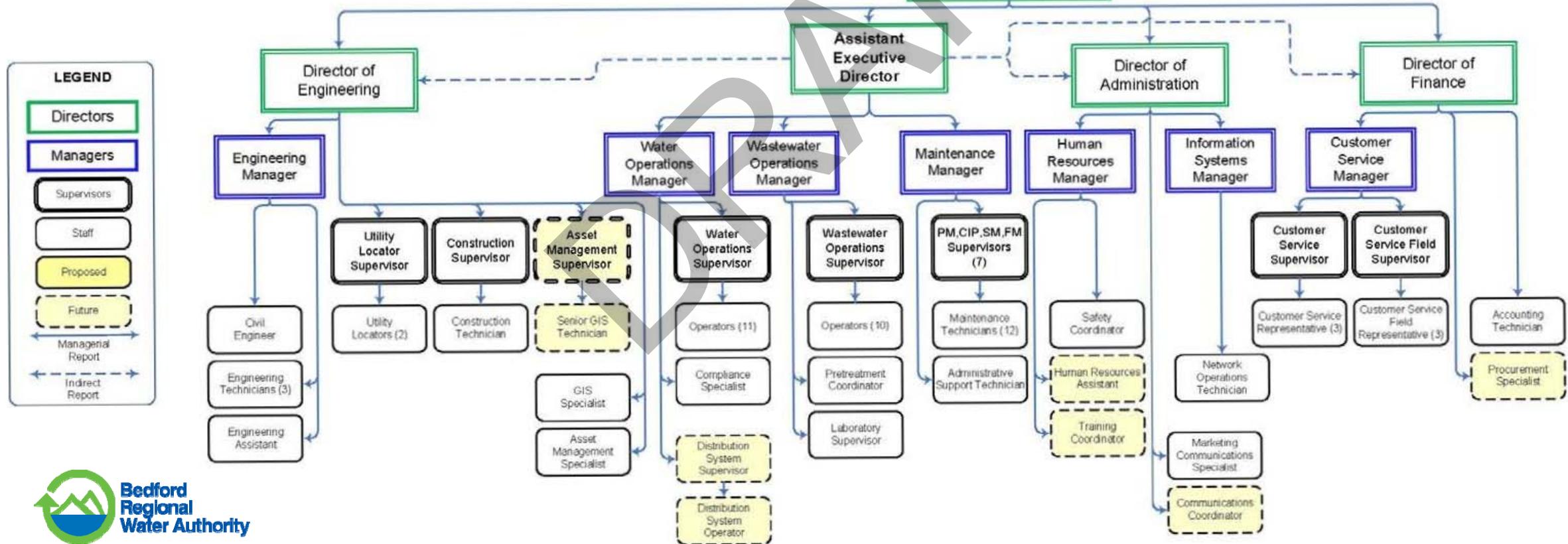


**Nathan Carroll**  
Assistant Executive Director



In 2021...

- ❖ Employed 82 full-time
- ❖ Employed 1 part-time



# Our Water System



## In 2021...

- ❖ Had 5 Water Treatment Plants
- ❖ Had 15 Water Storage Tanks
- ❖ Had 2 Water Pump Stations
- ❖ Produced 1.2 Billion Gallons
- ❖ Had 398 Miles of Water Line
- ❖ Had 14,274 Total Water Connections
- ❖ Added 241 new water connections



## Water Distribution Service Areas:

**1. Bedford Central:** The Authority provides water to the area inside and around the Town of Bedford through the Mountain Water Drive Treatment Plant. The plant uses a surface water reservoir located at the foothills of the Peaks of Otter. The Water Treatment Plant (“WTP”) is rated at approximately 3.0 million gallons per day (“MGD”). The Town also receives water from the Smith Mountain Lake Water Treatment Facility.

**2. Forest Central:** The Authority provides water to the Forest, New London, and Boonsboro areas of the County from the Smith Mountain Lake Water Treatment Facility and through purchasing water from the City of Lynchburg; the Authority then sends this water through the Authority’s distribution system. Water is treated by Lynchburg from the James River and the Pedlar Reservoir. There is not currently a contract limit to the capacity of the water purchased from Lynchburg, and the City of Lynchburg WTPs are rated at a capacity of 26 MGD.

**3. Lakes:** Jointly owned with Western Virginia Water Authority, the Smith Mountain Lake Water Treatment Facility uses membrane technology to treat water that is withdrawn from Smith Mountain Lake (SML). This water provides the majority of the water for the Lakes Central system around the SML area while also providing water for Franklin County, the Town of Bedford, and Forest. The SMLWTF is rated at 4.0 MGD, and it can easily be expanded to 6.0 MGD. The Authority also owns three (3) independent water systems that use wells as the source and are located in the Mountain View Shores, Valley Mills Crossing, and Paradise Point subdivisions.

**4. Stewartsville:** The Authority owns a water system in the Stewartsville area where water is purchased from the Western Virginia Water Authority (“WVWA”) and then distributed by the Authority. There is no contract limit to capacity of water purchased from the WVWA.

# Our Wastewater System

In 2021...

## Wastewater Collection Service Areas:

**1. Bedford Central:** The Authority provides sewer service inside and around the Town of Bedford using a Wastewater Treatment Plant (“WWTP”) located on Orange Street in Bedford. The Central WWTP is rated at 2.0 million gallons a day (“MGD”).

**2. Forest Central:** The Authority provides sewer service to the Forest and New London areas of the County by collecting the wastewater and transmitting it to the Lynchburg Regional WWTP for treatment. The Authority owns 1.0 MGD capacity in the Lynchburg WWTP.

**3. Lakes Central:** The Authority owns a WWTP in Moneta which provides sewer service to the Lakes community around the 122 corridor. The WWTP is rated at 0.5 MGD.

**4. Montvale:** The Montvale WWTP is located behind the Elementary school. It is rated at 0.05 MGD and provides service to the Montvale Elementary School, the Montvale Library, the Montvale Center for Business, and the central Montvale community.

- ❖ Had 5 wastewater treatment plants
- ❖ Had 32 sewer pump stations
- ❖ Treated 635 million gallons

- ❖ Had 5,406 total sewer connections
- ❖ Added 134 new sewer connections



# Capital Improvement Program Executive Summary



The Bedford Regional Water Authority's Capital Improvement Program (CIP) is intended to ensure that capital improvements are coordinated, timed to maximize the Authority's financial resources, and promote a measured approach to long range asset planning. The Capital Improvement Program is a planning document intended to provide an analysis of potential long-range funding needs, specifically addressing the upcoming two to three years in combination with fiscal expectations. Actual appropriations for projects occurring under the plan are made on an annual basis, and the CIP is reviewed annually to address changes in priorities and any funding issues or opportunities. Projects projected beyond FY 2022-2023 will be reviewed during the annual budget process for the given fiscal year and may be revised or rescheduled depending on preliminary cost estimates, changing priorities and the availability of funding in any particular year. Priority criteria will be utilized to further identify project and purchase priorities in coming fiscal years as funding becomes available.

The Authority serves more than 15,500 customers, with more than 375 miles of water lines and 150 miles of sewer lines. Water and sewer services require extensive capital investment to maintain and periodically upgrade deteriorating infrastructure to support continued service to customers and allow for system growth. Some of the considerations in determining necessary projects and purchases include:

- Purchasing and upgrades of equipment to achieve efficient and reliable operations
- Water system improvements to address growing demand, potential operational savings, and other operational efficiencies
- Energy savings through improved processes and upgraded equipment
- Gravity sewer extension to reduce operational costs and support continued growth in the Forest service area
- General maintenance and security of facilities
- Regulatory requirements

The Bedford Regional Water Authority has identified over \$70 million in capital improvement projects that are needed in its water and sewer systems, not including a large number of water and sewer replacement projects to be managed through separate set-aside funding. Some of these investments are crucial to supporting continued service to customers and allow system growth. Other projects provide for the long-term reduction in operating costs, reduced manpower requirements for repairs, proactive replacements and upgrades, and more dependable and reliable service to the customers.

Proposed projects and purchases for the coming fiscal year are based on expected available capital funds as projected in the Fiscal Year Operating Budget. Future years are based upon data reported in the January 2020 financial study completed by Davenport & Company, taking into consideration funds to be used for debt service projects and increased replacement set-asides.



# Capital Improvement Program Projects Listing FY23-25



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Total Priority Score			Notes	
							2023	2024	2025		
	1	<b>PROJECTS WITH DEBT SERVICE</b>									
Central	2	<b>Energy Saving Project - Central WWTP</b>							67	Majority of the costs is in the blowers; also includes modifying the plant DO and level controls.	
	3	Central Wastewater Treatment Upgrades (VRA)	-1	2022	\$4,243,599		319,110	319,372	319,122		
	4	Central Wastewater Treatment Upgrades (Addtl)	R		\$1,038,000	1,038,000				Additional capital from residual funds to subsidize VRA loan.	
Forest	5	<b>Ivy Creek 5 &amp; 6 Design, Construction &amp; Capacity</b>	0	2023	\$12,520,000		84,771	674,661	674,661	77	Payments begin 6 months after construction is complete.
	6	<b>Total Debt Service:</b>			<b>\$16,763,599</b>		<b>403,881</b>	<b>994,033</b>	<b>993,783</b>		
	7	<b>ARPA FUNDED PROJECTS</b>									
	8	<b>Town Projects</b>									
Central	9	Helm Street Tank Replacement	0	2023	\$2,000,000		2,000,000			46	Design and construction of a new tank and associated appurtenances.
Central	10	Bell Town Road Waterline Extension	0	2023	\$500,000		500,000			46	Waterline extension to serve properties affected by Town landfill leachate.
Central	11	Town & Country Subdivision Sewer Replacements	0	2023	\$2,000,000		2,000,000			46	Rehabilitation and replacement of sewer lines serving the Town & Country subdivision.
	12	<b>Total ARPA Funding:</b>			<b>\$4,500,000</b>		<b>4,500,000</b>				
	13	<b>WATER PROJECTS</b>									
	26	<b>System Structures &amp; Tanks</b>									
Boonsboro	27	Fox Runn Booster Station - Structure repairs/replacement	0	2023	\$25,000		25,000			56	Building is in need of repair and door needs to be replaced for accessibility and security. Due to condition of building, door cannot be replaced without repairs to the structure.
	31	<b>Operational Needs</b>									
Central	32	Forest to Lakes Permanent Booster Station	R		\$2,300,000	2,300,000				56	Needed for transferring water from Forest to Central or Lakes, or if serving all of Forest from the Lakes. Provides backup source upon failures on Route 122 water main.
Forest	34	Lynchburg Entry Point Control Valve (Graves Mill Rd)	2	2025	\$120,000			120,000		49	First step in being able to control and meter flow at the three major feeds from Lynchburg. Will reduce personnel time from manually adjusting valves, and provide immediate usage data to better manage water purchase from Lynchburg.
Various	35	Lead Service Line (LSL) Inventory	0	2023	\$50,000		50,000			60	EPA is requiring localities to perform an LSL inventory, replacements and compliance planning as necessary by October 2024. The inventory is the first step towards meeting this requirement.
	36	<b>SCADA Needs</b>									
Various	37	SCADA Hatch Intrusion Switches for Water Tanks	0	2023	\$25,000		25,000			53	For water system security, as identified in the 2021 Risk and Resilience Assessment for 7 BRWA tanks and 3 SML tanks.
Various	38	SCADA Communications Architecture Enhancements	2	2025	\$20,000			20,000		53	Change primary communication at 10 critical water sites from B2X to Verizon VPN Digi Modems for better reliability, particularly during adverse weather events.
Various	39	Sample Hydrants Phase 2A (7)	1	2024	\$11,000			11,000		45	Guarantees accessibility and representative water for compliance samples. (Phased)
Various	40	Sample Hydrants Phase 2B (8)	2	2025	\$12,000			12,000		45	Guarantees accessibility and representative water for compliance samples. (Phased)
Central	43	<b>Central Water Upgrades</b>									
	45	Upgrade chemical feeders to liquid chemical (others)	2	2025	\$15,000			15,000		51	Liquid chemicals would eliminate the need for daily elevator use and enhance treatment capabilities. With no dry chemicals added to the water, less sediment would need to be cleaned and hauled.
	49	Central WTP - Install Security Alarm and Fire Alarm Systems	0	2023	\$20,000		20,000			56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	50	Central WTP Rewash valves (2)	2	2025	\$25,000			25,000		41	Replacement of obsolete valves that allow flushing of the filter to waste after a backwash; existing valves do not work consistently.
	51	Central WTP Replacement Turbidimeters (4)	0	2023	\$20,000		20,000			52	Replacement of the 4 existing turbidimeters that monitor particulate water quality at different stages of treatment. The existing units are failing, no longer supported by the manufacturer, and are critical for VDH compliance.
	52	Central WTP Flocculators	0	2023	\$65,000		65,000			54	The 1st flocculator mixer has crumbled apart from rust and is not functional. The 2nd and 3rd are in similar condition. All must be replaced for proper water treatment.
	53	Central WTP Filter Control SCADA Interface (2)	0	2023	\$35,000		35,000			39	The new valves and meters that are being installed can not be controlled using the old pneumatic levers. These interface panels will integrate all the new filter control valves, sensors and meters into one system to replace the old filter table controls which operated the old valves via water pressure.

**Priority Score Color Codes**

20	<30
30	30-39
50	40-59
65	60+

# Capital Improvement Program Projects Listing FY23-25



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Priority Score Color Codes			Total Priority Score	Notes
							20	30	50		
							2023	2024	2025		
	54	Central WTP Motor Control Center Replacement	0	2023	\$100,000		100,000			54	Main switch gear is corroded and does not cut power, with other parts of the panel corroded. Failure of this equipment would render the plant inoperable.
	55	Central WTP Streaming Current Monitor	0	2023	\$15,000		15,000			47	Replacement of a manual 50 year old zeta meter used for bench testing to determine optimum chemical dosage, with a streaming current monitor to provide constant monitoring of the treatment effectiveness.
Central	56	Stoney Creek Reservoir - Ph 1 (Repairs & PER)	0	2023	\$100,000		100,000			54	Drain valve and sluice gate require replacement to operate, involving dredging to access both. Drain line is leaking and in need of repairs. A PER will review options and costs to provide access to the outside of the dam for draining the reservoir during an emergency, with design upon completion of PER.
Central	57	Stoney Creek Reservoir - Ph 2 (Repairs / Design)	0	2023	\$100,000		100,000			54	Additional funding to complete repairs and/or design and begin installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Central	58	Stoney Creek Reservoir - Ph 3 (Siphon Construction)	2	2025	\$200,000				200,000	54	Installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Lakes	59	Valley Mills Building addition for chemical addition	2	2025	\$20,000				20,000	54	Due to age and configuration, the waterworks experiences treatment upsets that require the tank to be dumped for dilution. The pH is very low and no pH adjustment is currently provided. The current building size is not feasible for any treatment additions or reconfigurations.
SML	60	<b>SML WTF (Costs represent shared portion with WWA)</b>									
	61	Sewer Pump Station 4 Upgrades Ph 1 (EQ)	0	2023	\$20,000		20,000			54	Inadequate capacity at the station to handle large backwash discharge volumes from SMLWTF. An existing septic tank on site can be converted to an equalization chamber to modulate flows.
	62	Sewer Pump Station 4 Upgrades Ph 2 (Pumps)	1	2024	\$30,000			30,000		54	Increase pump capacity as existing station is only able to support 65 gpm with both pumps running. Limitations on capacity causes the SMLWTF to be shut down to prevent overflows.
	63	SMLWTF - Add Security System to Fire Alarm System	0	2023	\$10,000		10,000			56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	64	SMLWTF GAC Pump and associated parts	0	2023	\$25,000		25,000			44	Purchase larger capacity pump, variable frequency drive and associated plumbing to enable full treatment capacities of both GAC units.
	66	Raw Water Intake Standby Generator	0	2023	\$50,000		50,000			50	Permanent standby power generator for the SMLWTF raw water pumps to replace the older portable generator. Will reduce manpower needed to operate the portable generator and provide greater flexibility and automation.
	67	SML Tank - Standby generator	2	2025	\$15,000				15,000	45	Permanent stand by power generator for the SML Water Tank that will maintain various sensors and network service for the area.
	68	<b>SEWER PROJECTS</b>									
	74	<b>Operational Needs</b>									
Lakes	75	Moneta WWTP									
	77	Replace magnetic ballasts & wiring harness	2	2025	\$10,000				10,000	43	Replace with electronic ballasts; magnetic ballasts are no longer available per EPA. If flow increases, will be needed immediately.
	79	New chains on Train 1 BIOWHEELS	0	2023	\$20,000		20,000			46	Chains are showing wear and have cracked and had to replace links
	80	New chains on Train 2 BIOWHEELS	2	2025	\$20,000				20,000	38	Chains life is 5 years
Lakes	81	Moneta Pump Stations									
	82	Blower system at pump station 1	0	2023	\$15,000		15,000			54	Reduce/eliminate gases due to low flows. Concrete in wet starting to deteriorate.
Central	83	Central WWTP									
	89	New RAS Pump #1	0	2023	\$55,000		55,000			47	Existing pumps are 20+ years old. The primary settling tank is currently out of service due to broken railing, drives, and chains.
	90	New RAS Pump #2	2	2025	\$55,000				55,000	47	Existing pumps are 20+ years old.
	92	Replace railings and chains on primary basin #1	0	2023	\$20,000		20,000			54	Railings are currently broke and not operating (basin is being bypassed)
	93	Replace railings and chains on primary basin #2	2	2025	\$20,000				20,000	46	This basin is operating and starting to show wear on railings.
	94	Replace the air actuator valves to electric valves on sandfilters	2	2025	\$60,000				60,000	46	Electric valves will allow backwashing filters below freezing temperatures as air lines currently freeze in the winter and prevent the ability to backwash.
	95	Carport to cover sludge dumpster	0	2023	\$8,000		8,000			31	Keep solids dry for less expensive disposal.

# Capital Improvement Program Projects Listing FY23-25



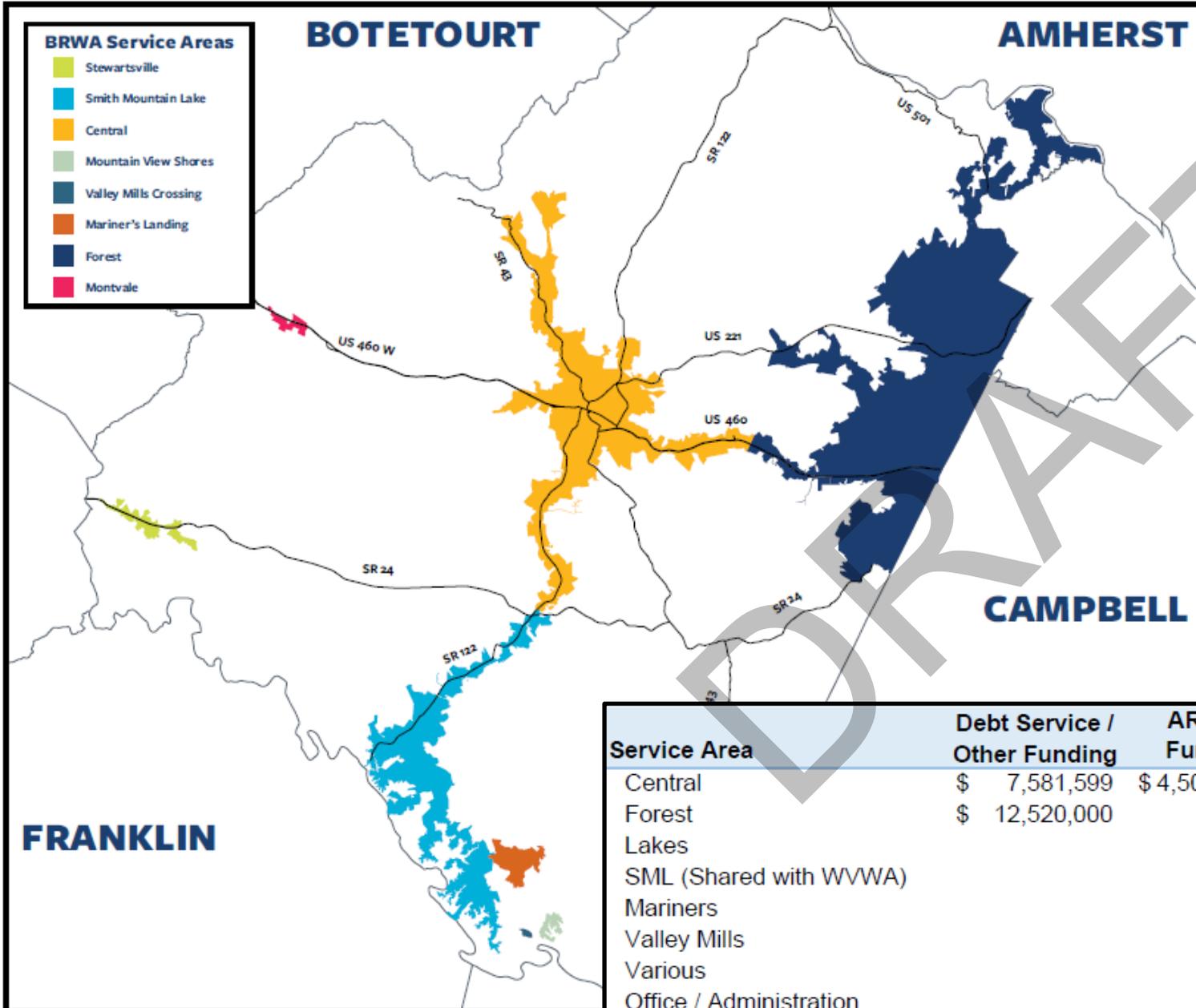
Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	2023-2025			Total Priority Score	Notes
							2023	2024	2025		
Central	96	Central Sewer Pump Stations									
	97	Pump Station 3 Bank Restoration and armoring	0	2023	\$40,000		40,000			59	The creek bank has washed away at the fence line near the overflow pipe.
	98	Pump Station 1 - Replacement Pump #2	1	2024	\$45,000			45,000		55	3 pumps are >20 years old; 2nd phase for replacement. Will reduce overflows.
	99	Pump Station 1 - Replacement Pump #3	1	2024	\$45,000			45,000		55	3 pumps are >20 years old; 3rd phase for replacement. Will reduce overflows.
	105	Pump Station 7 SCADA	0	2023	\$20,000		20,000			52	Allow remote view and ability to trend station performance.
Mariners	108	Mariners WWTP									
	109	New control panels for both Trains	0	2023	\$25,000		25,000			46	Some of the controls are not functioning had contractor inspect and suggested replacing both control panels.
	110	Install bracing on influent basin on Train 1 and 2	0	2023	\$20,000		20,000			51	The old bracing is rusting causing a safety hazard.
Mariners	111	Mariners Pump Stations									
	112	Pump Stations pump replacement	0	2023	\$20,000		20,000			54	This will allow us to start replacing pumps that are 20+ years old.
	113	Pump Station 5 SCADA	0	2023	\$10,000		10,000			57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.
	114	Pump Station 9 SCADA	0	2023	\$10,000		10,000			57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.
	122	<b>PURCHASES</b>									
	123	<u>Admin</u>									
	124	Key System - Phase 2A (Various sites)	0	2023	\$20,000		20,000			59	
	125	Key System - Phase 2B (Various sites)	1	2024	\$30,000			30,000		59	
	126	Key System - Phase 2C (Various sites)	2	2025	\$50,000				50,000	59	
	130	<u>Customer Service</u>									
	132	Bulletproof Glass & Front Desk modifications	1	2024	\$75,000			75,000		54	Bulletproof modifications for the front desk to address safety and security of employees.
	133	<u>Operations</u>									
Various	134	Operations/Billing/Cartegraph Web Application	1	2024	\$55,000			55,000		54	Integration of Operations data, Billing data, and Cartegraph data. Eliminates individual spreadsheets and allows multi-year analysis with data security and validation. May assist with statistical information and revenue forecasting.
Various	135	SCADA Server Architecture Reliability Enhancements	0	2023	\$78,000		78,000			59	Creates a distributed SCADA server network for redundancy and resiliency. Updates to the latest version of Ignition from 7.9 to 8.1, a major update.
Forest	136	New London Tank Standby Generator	0	2023	\$6,000		6,000			49	For communications equipment to have power during a power outage.
	137	<u>Engineering</u>									
	138	Fireproof Safe	0	2023	\$5,500		5,500			46	Additional space needed to store legal records.
Central	140	Central Sewer Survey Phase 1	1	2024	\$100,000			100,000		47	Engineering Term Consultant to perform field survey of Central Sewer to be used for Central Sewer Mapping and Modeling. Will assist in identifying appropriate pumps for replacement at Central pump stations.
	142	<u>Maintenance</u>									
	143	John Deere Skid Steer	0	2023	\$90,000		90,000			36	Skid steer to be used with PM crew for easement management.
	144	DODGE RAM 5500 with dump bed	0	2023	\$90,000		90,000			36	Additional smaller dump truck for line crews to use to ensure availability when needed.
	145	Portable Air Compressor for CIP	2	2025	\$27,000				27,000	36	Air compressor unit for Capital crew to use with Hole Hawg for service installations, as well as concrete and asphalt removal.
	146	Skid Steer concrete saw for CIP	2	2025	\$30,000				30,000	34	Saw attachment for cutting asphalt and concrete to provide better efficiencies, accuracy, and longer cuts.
<b>TOTALS:</b>					<b>\$ 26,904,099</b>	<b>3,338,000</b>	<b>1,212,500</b>	<b>391,000</b>	<b>699,000</b>		

# Capital Improvement Program Departmental Summary



Project	Project Costs	Residual Funds	2023	2024	2025
<b>PROJECTS WITH DEBT SERVICE</b>					
Energy Saving Project - Central WWTP	\$5,281,599	1,038,000	319,110	319,372	319,122
Ivy Creek 5 & 6 Design, Construction & Capacity	\$12,520,000		84,771	674,661	674,661
<b>ARPA FUNDED PROJECTS</b>					
Town Projects					
Helm Street Tank Replacement	\$2,000,000		2,000,000		
Bell Town Road Waterline Extension	\$500,000		500,000		
Town & Country Subdivision Sewer Replacements	\$2,000,000		2,000,000		
<b>OTHER PROJECTS THROUGH FY 2024</b>					
System Structures & Tanks	\$25,000		25,000		
Water Operational Needs	\$3,403,000	2,300,000	635,000	41,000	427,000
Sewer Operational Needs	\$518,000		263,000	90,000	165,000
Administration Purchases	\$100,000		20,000	30,000	50,000
Customer Service Purchases	\$75,000			75,000	
Operations Purchases	\$139,000		84,000	55,000	
Engineering Purchases	\$105,500		5,500	100,000	
Maintenance Purchases	\$237,000		180,000		57,000
<b>TOTALS - OTHER PROJECTS:</b>	<b>\$4,602,500</b>	<b>3,338,000</b>	<b>1,212,500</b>	<b>391,000</b>	<b>699,000</b>

# Capital Improvement Program – Costs By Service Area



Service Area	Debt Service / Other Funding	ARPA Funds	FY 2022-23	FY 2023-24	FY 2024-25	Total
Central	\$ 7,581,599	\$ 4,500,000	\$ 598,000	\$ 190,000	\$ 375,000	\$ 13,244,599
Forest	\$ 12,520,000		\$ 31,000		\$ 120,000	\$ 12,671,000
Lakes			\$ 35,000		\$ 30,000	\$ 65,000
SML (Shared with WVWA)			\$ 105,000	\$ 30,000	\$ 15,000	\$ 150,000
Mariners			\$ 85,000			\$ 85,000
Valley Mills					\$ 20,000	\$ 20,000
Various			\$ 153,000	\$ 66,000	\$ 32,000	\$ 251,000
Office / Administration			\$ 205,500	\$ 105,000	\$ 107,000	\$ 417,500
<b>Total</b>	<b>\$ 20,101,599</b>	<b>\$ 4,500,000</b>	<b>\$ 1,212,500</b>	<b>\$ 391,000</b>	<b>\$ 699,000</b>	<b>\$ 26,904,099</b>

# CIP Project Requests with Debt Service



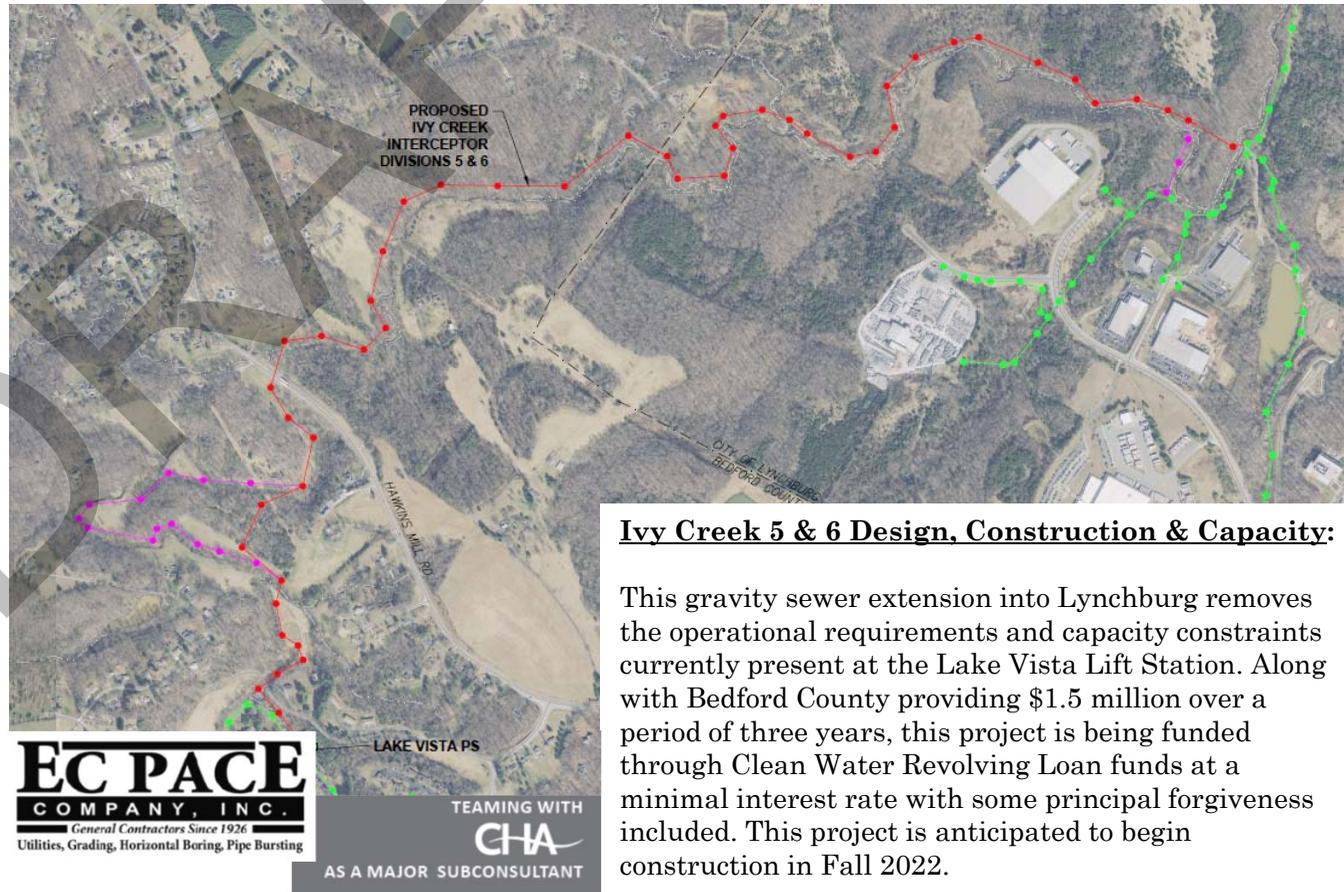
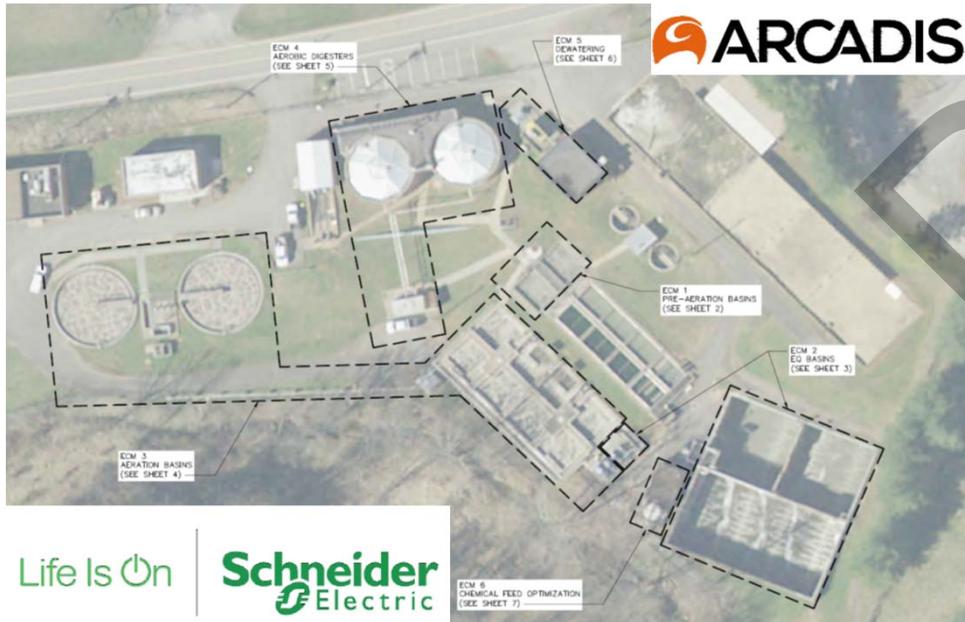
Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual Funds	Total Priority Score			Notes	
							2023	2024	2025		
	1	<b>PROJECTS WITH DEBT SERVICE</b>									
Central	2	<b>Energy Saving Project - Central WWTP</b>							67	Majority of the costs is in the blowers; also includes modifying the plant DO and level controls.	
	3	Central Wastewater Treatment Upgrades (VRA)	-1	2022	\$4,243,599		319,110	319,372	319,122		
	4	Central Wastewater Treatment Upgrades (Addtl)	R		\$1,038,000	1,038,000				Additional capital from residual funds to subsidize VRA loan.	
Forest	5	<b>Ivy Creek 5 &amp; 6 Design, Construction &amp; Capacity</b>	0	2023	\$12,520,000		84,771	674,661	674,661	77	Payments begin 6 months after construction is complete.
	6	<b>Total Debt Service:</b>			<b>\$16,763,599</b>		<b>403,881</b>	<b>994,033</b>	<b>993,783</b>		

**Priority Score Color Codes**

20	<30
30	30-39
50	40-59
65	60+

## Energy Saving Project – Central WWTP:

This project addresses efficiencies and deficiencies in the operation of the Central Wastewater Treatment Plant through improved processes and newer and more energy efficient equipment. Most of the project that is funded through debt service will realize savings through reduced energy, labor, and/or chemical costs that will cover most of the annual debt service cost. Construction is scheduled to be completed in Fall of 2022.



## Ivy Creek 5 & 6 Design, Construction & Capacity:

This gravity sewer extension into Lynchburg removes the operational requirements and capacity constraints currently present at the Lake Vista Lift Station. Along with Bedford County providing \$1.5 million over a period of three years, this project is being funded through Clean Water Revolving Loan funds at a minimal interest rate with some principal forgiveness included. This project is anticipated to begin construction in Fall 2022.

# American Rescue Plan Act Projects – Town of Bedford



With the American Rescue Plan Act (ARPA), funding was made available to localities for select improvements that had been previously identified, including those necessary for water and sewer infrastructure. In cooperation with the Town of Bedford, the Authority entered into a Grant Subrecipient Agreement on December 1, 2021 with the Town to utilize ARPA funds in addressing select replacements of sewer line infrastructure, a deteriorated water storage tank, as well as provide a waterline extension in the area near the Town’s former landfill.

**Helm Street Tank:** The existing 1.22 million-gallon round water storage tank at Helm Street was previously taken out of service due to a failing coating system and a deteriorating concrete structure. Upon lead being found in a portion of the coating system, abatement and corrections for the structure were deemed to possibly exceed the cost of a new and more dependable water storage tank. The existing 0.73 million-gallon square storage tank at the site was lined while under the ownership of the Town of Bedford, and the exterior coated in 2019. With water storage that is central to the water system of significant importance to limit water age and disinfection byproducts, design is underway by Whitman, Requardt & Associates for a new 1 million-gallon welded steel water tank at this site.

**Bell Town Road Waterline Extension:** To address concerns regarding the quality of the groundwater within a select area of Bell Town Road and the potential for landfill leachate intrusion, design is underway by Engineering Concepts, Inc. for an 1800 foot public waterline extension.

**Town & Country Subdivision Sewer Replacements:** The Authority has been working with Hurt & Proffitt, Inc. through design and field investigations necessary for targeted replacements of deteriorating sewer lines within the Town and Country Subdivision. The construction of these replacements were previously intended to span over many years as funding became available through the Authority’s Sewer Replacement Setasides. With the ARPA funding available, most phases of the sewer replacements in this subdivision will be completed by the end of 2023.

Service Area	LINE ID	Project	Project Costs
	7	<b>ARPA FUNDED PROJECTS</b>	
	8	Town Projects	
Central	9	Helm Street Tank Replacement	\$2,000,000
Central	10	Bell Town Road Waterline Extension	\$500,000
Central	11	Town & Country Subdivision Sewer Replacements	\$2,000,000
	12	<b>Total ARPA Funding:</b>	<b>\$4,500,000</b>



# CIP Water Project Requests



Various water projects have been identified in the Forest, Central, and Lakes service areas to be addressed over the next few years. Some projects have funding previously allocated toward them. Projects identified to assist with water system operation include the following:

- Water booster station to allow efficient transfer of water between Lakes, Central and Forest service areas (currently underway)
- Control valve at City of Lynchburg entry point to efficiently coordinate purchase volumes from Lynchburg with production volumes from Smith Mountain Lake Water Treatment Facility
- Building repairs to the Fox Runn booster station necessary for continued security of the facility
- Lead Service Line inventory for compliance with EPA regulations
- Security measures through SCADA communications, as identified in the 2021 Risk and Resilience Assessment
- Sampling stations to provide best representation of water quality in the system, guarantee operator accessibility, and remove dependency upon quality plumbing within private homes and the homeowners' availability for sample collections
- Upgrades and maintenance of the Central Water Treatment Plant, including:
  - Replacement of crucial valves that are deteriorating due to significant age, adding automation for more efficient operation
  - Installation of a control center and monitoring interface to enable operation of the filters and equipment in a centralized location at the plant
  - Replacement of obsolete and failing equipment
  - Chemical feeder upgrades from granular to liquid for cleaner and more consistent dosing
  - Alarm system to alert of vandalism or fire emergencies when plant is not in operation
- Stoney Creek Reservoir upgrades and permitting needs, including:
  - Repairs/Improvements at the reservoir to provide the ability for draining of the reservoir upon emergency need, as required by the Department of Conservation and Recreation in the Dam Operating Permit
- Valley Mills building addition to allow for chemical addition and pH adjustment
- Mountain View Shores filter replacement to address rusting and corrosion of existing filters



# CIP Water Project Requests



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Total Priority Score			Notes	
							2023	2024	2025		
	13	<b>WATER PROJECTS</b>									
	26	<b>System Structures &amp; Tanks</b>									
Boonsboro	27	Fox Runn Booster Station - Structure repairs/replacement	0	2023	\$25,000		25,000			56	Building is in need of repair and door needs to be replaced for accessibility and security. Due to condition of building, door cannot be replaced without repairs to the structure.
	31	<b>Operational Needs</b>									
Central	32	Forest to Lakes Permanent Booster Station	R		\$2,300,000	2,300,000				56	Needed for transferring water from Forest to Central or Lakes, or if serving all of Forest from the Lakes. Provides backup source upon failures on Route 122 water main.
Forest	34	Lynchburg Entry Point Control Valve (Graves Mill Rd)	2	2025	\$120,000			120,000		49	First step in being able to control and meter flow at the three major feeds from Lynchburg. Will reduce personnel time from manually adjusting valves, and provide immediate usage data to better manage water purchase from Lynchburg.
Various	35	Lead Service Line (LSL) Inventory	0	2023	\$50,000		50,000			60	EPA is requiring localities to perform an LSL inventory, replacements and compliance planning as necessary by October 2024. The inventory is the first step towards meeting this requirement.
	36	SCADA Needs									
Various	37	SCADA Hatch Intrusion Switches for Water Tanks	0	2023	\$25,000		25,000			53	For water system security, as identified in the 2021 Risk and Resilience Assessment for 7 BRWA tanks and 3 SML tanks.
Various	38	SCADA Communications Architecture Enhancements	2	2025	\$20,000			20,000		53	Change primary communication at 10 critical water sites from B2X to Verizon VPN Digi Modems for better reliability, particularly during adverse weather events.
Various	39	Sample Hydrants Phase 2A (7)	1	2024	\$11,000			11,000		45	Guarantees accessibility and representative water for compliance samples. (Phased)
Various	40	Sample Hydrants Phase 2B (8)	2	2025	\$12,000				12,000	45	Guarantees accessibility and representative water for compliance samples. (Phased)
Central	43	<b>Central Water Upgrades</b>									
	45	Upgrade chemical feeders to liquid chemical (others)	2	2025	\$15,000				15,000	51	Liquid chemicals would eliminate the need for daily elevator use and enhance treatment capabilities. With no dry chemicals added to the water, less sediment would need to be cleaned and hauled.
	49	Central WTP - Install Security Alarm and Fire Alarm Systems	0	2023	\$20,000		20,000			56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	50	Central WTP Rewash valves (2)	2	2025	\$25,000				25,000	41	Replacement of obsolete valves that allow flushing of the filter to waste after a backwash; existing valves do not work consistently.
	51	Central WTP Replacement Turbidimeters (4)	0	2023	\$20,000		20,000			52	Replacement of the 4 existing turbidimeters that monitor particulate water quality at different stages of treatment. The existing units are failing, no longer supported by the manufacturer, and are critical for VDH compliance.
	52	Central WTP Flocculators	0	2023	\$65,000		65,000			54	The 1st flocculator mixer has crumbled apart from rust and is not functional. The 2nd and 3rd are in similar condition. All must be replaced for proper water treatment.
	53	Central WTP Filter Control SCADA Interface (2)	0	2023	\$35,000		35,000			39	The new valves and meters that are being installed can not be controlled using the old pneumatic levers. These interface panels will integrate all the new filter control valves, sensors and meters into one system to replace the old filter table controls which operated the old valves via water pressure.
	54	Central WTP Motor Control Center Replacement	0	2023	\$100,000		100,000			54	Main switch gear is corroded and does not cut power, with other parts of the panel corroded. Failure of this equipment would render the plant inoperable.
	55	Central WTP Streaming Current Monitor	0	2023	\$15,000		15,000			47	Replacement of a manual 50 year old zeta meter used for bench testing to determine optimum chemical dosage, with a streaming current monitor to provide constant monitoring of the treatment effectiveness.

Priority Score Color Codes

20	<30
30	30-39
50	40-59
65	60+

# CIP Water Project Requests



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Total Priority Score			Notes	
							2023	2024	2025		
Central	56	Stoney Creek Reservoir - Ph 1 (Repairs & PER)	0	2023	\$100,000		100,000			54	Drain valve and sluice gate require replacement to operate, involving dredging to access both. Drain line is leaking and in need of repairs. A PER will review options and costs to provide access to the outside of the dam for draining the reservoir during an emergency, with design upon completion of PER.
Central	57	Stoney Creek Reservoir - Ph 2 (Repairs / Design)	0	2023	\$100,000		100,000			54	Additional funding to complete repairs and/or design and begin Installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Central	58	Stoney Creek Reservoir - Ph 3 (Siphon Construction)	2	2025	\$200,000				200,000	54	Installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Lakes	59	Valley Mills Building addition for chemical addition	2	2025	\$20,000				20,000	54	Due to age and configuration, the waterworks experiences treatment upsets that require the tank to be dumped for dilution. The pH is very low and no pH adjustment is currently provided. The current building size is not feasible for any treatment additions or reconfigurations.

Priority Score Color Codes

20	<30
30	30-39
50	40-59
65	60+



# CIP Water Project Requests – Smith Mountain Lake WTF



Projects and purchases directly related to the operation of the Smith Mountain Lake Water Treatment Facility reflect shared costs with Western Virginia Water Authority as the joint partner of the facility. Projects identified to assist with water system operation include the following:

- Increased capacity at receiving sewer pump station 4 to support large volume of backwash discharge from the facility
- Increased pumping capacity to send greater volumes through the granular activated carbon (GAC) vessels for improved organic removal
- Standby generators for the raw water intake and water storage tank for improved reliability and communication
- Alarm system to alert of vandalism or fire emergencies when plant is not in operation



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Total Priority Score			Notes	
							2023	2024	2025		
SML	60	<b>SML WTF (Costs represent shared portion with WVWA)</b>									
	61	Sewer Pump Station 4 Upgrades Ph 1 (EQ)	0	2023	\$20,000		20,000			54	Inadequate capacity at the station to handle large backwash discharge volumes from SMLWTF. An existing septic tank on site can be converted to an equalization chamber to modulate flows.
	62	Sewer Pump Station 4 Upgrades Ph 2 (Pumps)	1	2024	\$30,000			30,000		54	Increase pump capacity as existing station is only able to support 65 gpm with both pumps running. Limitations on capacity causes the SMLWTF to be shut down to prevent overflows.
	63	SMLWTF - Add Security System to Fire Alarm System	0	2023	\$10,000		10,000			56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	64	SMLWTF GAC Pump and associated parts	0	2023	\$25,000		25,000			44	Purchase larger capacity pump, variable frequency drive and associated plumbing to enable full treatment capacities of both GAC units.
	66	Raw Water Intake Standby Generator	0	2023	\$50,000		50,000			50	Permanent standby power generator for the SMLWTF raw water pumps to replace the older portable generator. Will reduce manpower needed to operate the portable generator and provide greater flexibility and automation.
	67	SML Tank - Standby generator	2	2025	\$15,000				15,000	45	Permanent stand by power generator for the SML Water Tank that will maintain various sensors and network service for the area.

20	<30
30	30-39
50	40-59
65	60+

# CIP Sewer Project Requests



The sewer projects planned for the coming years are mostly located in the Central service area, with some repairs and upgrades at plants in the Lakes service area. Some of the upgrades in the Mariners Landing sewer system have funding previously allocated as work continues on those projects. Other projects that will utilize capital funding over the next few years include:

- Moneta Wastewater Treatment Plant upgrades, including:
  - Replacing ballasts in the second train to allow use of second train should maintenance be needed on first train or flow exceed the capability of a single train
  - Replacement of Biowheel chains on each train
- Central Wastewater Treatment Plant upgrades including:
  - Replacement of older return activated sludge (RAS) pumps
  - Replacement of railings and chains on basins
  - Upgrade at sandfilters from air actuated valves to electric valves that are not temperature dependent for operation
  - Addition of a carport over the sludge dumpster to maintain dry solids for reduced costs in landfill disposal
- Central Wastewater Pump Station upgrades, including:
  - Bank restoration at Pump Station 3, where the creek bank has significant erosion near the overflow pipe
  - Staggered replacement of older pumps in Pump Stations 1, 2, and 3, in coordination with sewer survey and modeling, to reduce maintenance and overflows at each station
  - SCADA implementation for Pump Station 7, in conjunction with the station replacement underway, to allow remote monitoring and trending of station performance
- Mariners Landing sewer system upgrades including:
  - Replacement of control panels that are beginning to experience failures
  - Replacement of rusting bracing at influent basins for safety
  - Replacement of older pumps in various pump stations
  - SCADA implementation for Pump Stations 5 and 9 to allow remote monitoring and alarming of stations that have close proximity to Smith Mountain Lake.



# CIP Sewer Project Requests



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	Total Priority Score			Notes
							2023	2024	2025	
	68	<b>SEWER PROJECTS</b>								
	74	<b>Operational Needs</b>								
Lakes	75	Moneta WWTP								
	77	Replace magnetic ballasts & wiring harness	2	2025	\$10,000			10,000	43	Replace with electronic ballasts; magnetic ballasts are no longer available per EPA. If flow increases, will be needed immediately.
	79	New chains on Train 1 BLOWHEELS	0	2023	\$20,000		20,000		46	Chains are showing wear and have cracked and had to replace links
	80	New chains on Train 2 BLOWHEELS	2	2025	\$20,000			20,000	38	Chains life is 5 years
Lakes	81	Moneta Pump Stations								
	82	Blower system at pump station 1	0	2023	\$15,000		15,000		54	Reduce/eliminate gases due to low flows. Concrete in wet starting to deteriorate.
Central	83	Central WWTP								
	89	New RAS Pump #1	0	2023	\$55,000		55,000		47	Existing pumps are 20+ years old. The primary settling tank is currently out of service due to broken railing, drives, and chains.
	90	New RAS Pump #2	2	2025	\$55,000			55,000	47	Existing pumps are 20+ years old.
	92	Replace railings and chains on primary basin #1	0	2023	\$20,000		20,000		54	Railings are currently broke and not operating (basin is being bypassed)
	93	Replace railings and chains on primary basin #2	2	2025	\$20,000			20,000	46	This basin is operating and starting to show wear on railings.
	94	Replace the air actuator valves to electric valves on sandfilters	2	2025	\$60,000			60,000	46	Electric valves will allow backwashing filters below freezing temperatures as air lines currently freeze in the winter and prevent the ability to backwash.
	95	Carpport to cover sludge dumpster	0	2023	\$8,000		8,000		31	Keep solids dry for less expensive disposal.
Central	96	Central Sewer Pump Stations								
	97	Pump Station 3 Bank Restoration and armoring	0	2023	\$40,000		40,000		59	The creek bank has washed away at the fence line near the overflow pipe.
	98	Pump Station 1 - Replacement Pump #2	1	2024	\$45,000			45,000	55	3 pumps are >20 years old; 2nd phase for replacement. Will reduce overflows.
	99	Pump Station 1 - Replacement Pump #3	1	2024	\$45,000			45,000	55	3 pumps are >20 years old; 3rd phase for replacement. Will reduce overflows.
	105	Pump Station 7 SCADA	0	2023	\$20,000		20,000		52	Allow remote view and ability to trend station performance.
Mariners	108	Mariners WWTP								
	109	New control panels for both Trains	0	2023	\$25,000		25,000		46	Some of the controls are not functioning had contractor inspect and suggested replacing both control panels.
	110	Install bracing on influent basin on Train 1 and 2	0	2023	\$20,000		20,000		51	The old bracing is rusting causing a safety hazard.
Mariners	111	Mariners Pump Stations								
	112	Pump Stations pump replacement	0	2023	\$20,000		20,000		54	This will allow us to start replacing pumps that are 20+ years old.
	113	Pump Station 5 SCADA	0	2023	\$10,000		10,000		57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.
	114	Pump Station 9 SCADA	0	2023	\$10,000		10,000		57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.

**Priority Score Color Codes**

20	<30
30	30-39
50	40-59
65	60+



# CIP Purchase Requests



Several capital purchases are identified for the coming years that will assist with better efficiency in operation, employee safety, and allow for the additional equipment necessary to maintain an expanding service area. Some of these purchases include:

- Internal improvements and upgrades to assist with efficiencies and security, including:
  - Continued implementation phases of a new key system to provide improved site security options and improve appropriate accessibility
  - Bulletproof glass in the Customer Service area, to protect from the potentials for both physical harm and airborne viruses
  - Integration of multiple data sources for efficiencies in reporting and effective data forecasting
  - Updates to the Supervisory Control and Data Acquisition (SCADA) architecture to allow continued expansion and expanded functionality of the SCADA system
- Additional storage for sensitive legal records
- Contracted services for survey in the Central Sewer service area as necessary for modeling the sewer system and providing guidance for pump replacements
- Equipment for maintenance personnel to maintain safety and work efficiencies



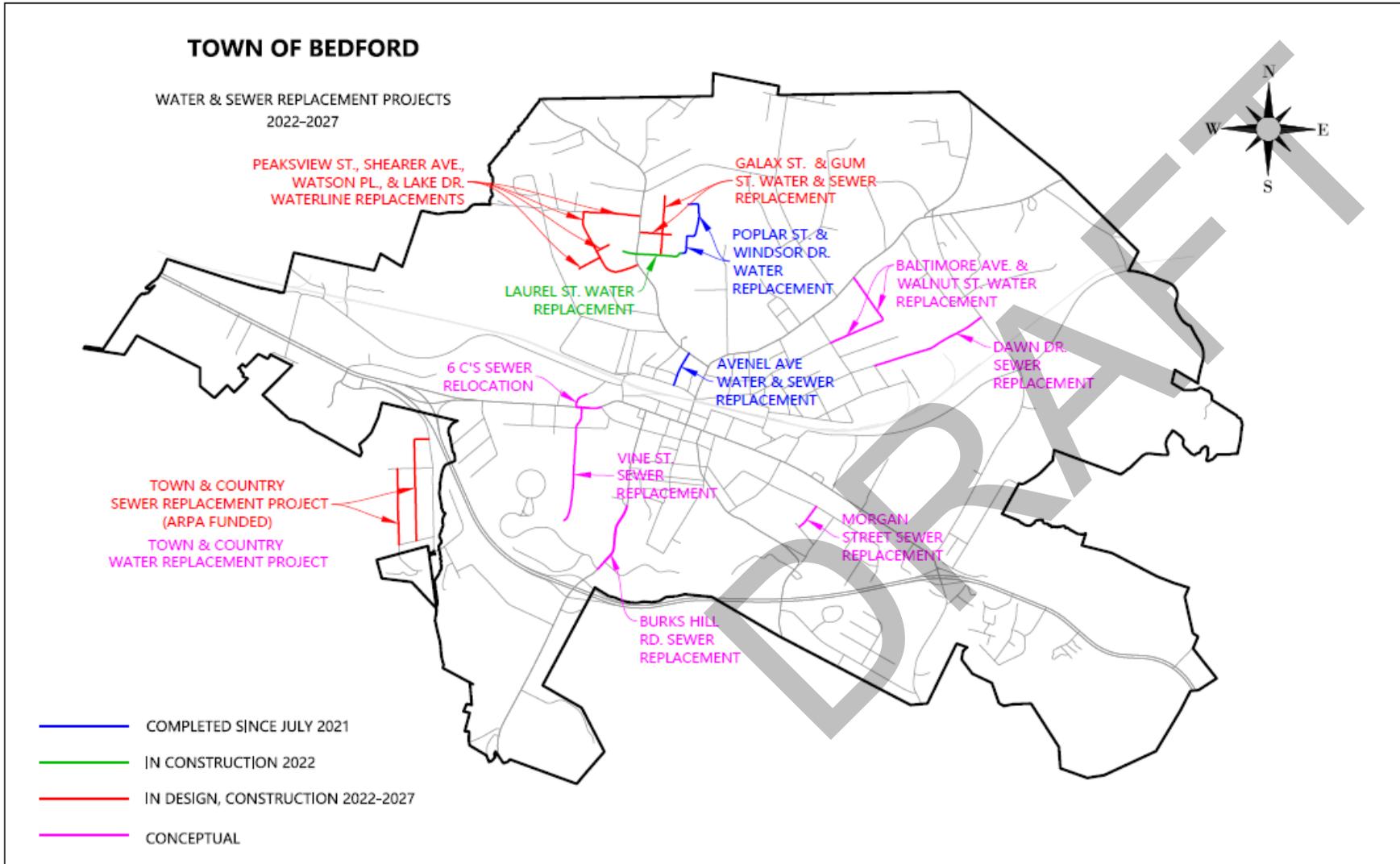
# CIP Purchase Requests



Service Area	LINE ID	Project	Timeframe To Start (Years)	Fiscal Year Ending	Project Costs	Residual/Other Funds	2023-2025			Total Priority Score	Notes
							2023	2024	2025		
	122	<b>PURCHASES</b>									
	123	<u>Admin</u>									
	124	Key System - Phase 2A (Various sites)	0	2023	\$20,000		20,000			59	
	125	Key System - Phase 2B (Various sites)	1	2024	\$30,000			30,000		59	
	126	Key System - Phase 2C (Various sites)	2	2025	\$50,000				50,000	59	
	130	<u>Customer Service</u>									
	132	Bulletproof Glass & Front Desk modifications	1	2024	\$75,000			75,000		54	Bulletproof modifications for the front desk to address safety and security of employees.
	133	<u>Operations</u>									
Various	134	Operations/Billing/Cartegraph Web Application	1	2024	\$55,000			55,000		54	Integration of Operations data, Billing data, and Cartegraph data. Eliminates individual spreadsheets and allows multi-year analysis with data security and validation. May assist with statistical information and revenue forecasting.
Various	135	SCADA Server Architecture Reliability Enhancements	0	2023	\$78,000		78,000			59	Creates a distributed SCADA server network for redundancy and resiliency. Updates to the latest version of Ignition from 7.9 to 8.1, a major update.
Forest	136	New London Tank Standby Generator	0	2023	\$6,000		6,000			49	For communications equipment to have power during a power outage.
	137	<u>Engineering</u>									
	138	Fireproof Safe	0	2023	\$5,500		5,500			46	Additional space needed to store legal records.
Central	140	Central Sewer Survey Phase 1	1	2024	\$100,000			100,000		47	Engineering Term Consultant to perform field survey of Central Sewer to be used for Central Sewer Mapping and Modeling. Will assist in identifying appropriate pumps for replacement at Central pump stations,
	142	<u>Maintenance</u>									
	143	John Deere Skid Steer	0	2023	\$90,000		90,000			36	Skid steer to be used with PM crew for easement management.
	144	DODGE RAM 5500 with dump bed	0	2023	\$90,000		90,000			36	Additional smaller dump truck for line crews to use to ensure availability when needed.
	145	Portable Air Compressor for CIP	2	2025	\$27,000				27,000	36	Air compressor unit for Capital crew to use with Hole Hawg for service installations, as well as concrete and asphalt removal.
	146	Skid Steer concrete saw for CIP	2	2025	\$30,000				30,000	34	Saw attachment for cutting asphalt and concrete to provide better efficiencies, accuracy, and longer cuts.



# Replacement and Rehabilitation Projects



As the Authority’s water and sewer systems age, it is necessary to prepare for replacements of older lines to maintain continued service to customers. The majority of water line and sewer line replacement or rehabilitation projects are currently covered through operational set-asides accounts created for these purposes rather than through the Authority’s Capital Improvement Plan. Funding to these set-aside accounts is regularly increased where feasible through the annual operating budget process. The replacement set-aside accounts assist with unexpected emergency replacement projects that may arise, as well as allow for planned replacements through the Authority’s Maintenance crews or contractors.

The majority of current line replacement projects are located within the Central service area. The Central water and wastewater systems have many older lines that are past their normal life span and are a source of many repairs. Much of the current water focus is on replacement of small diameter galvanized waterlines with larger and more durable lines that are able to provide dependable, quality service to these areas. Sewer line replacements are currently focused on older lines in subdivisions that require regular root treatment to prevent overflows, as well as beginning to address many undersized 6-inch gravity sewer lines within the Town service area.

# Replacement and Rehabilitation Projects



## Paradise Point Waterline Replacement

### Project Description:

The BRWA obtained the existing water treatment system and water distribution system in the Paradise Point subdivision on May 25, 2021, previously owned and operated by Paradise Point Corporation. The well system provides service to 24 customers in the subdivision.

The existing water distribution system consists of galvanized and cast iron piping that is nearly 60 years old. Water mains will be replaced along Hales Ford Road, Contentment Lane, and Daniels Court to include placement of new meters at each service connection. The waterline replacements will be completed by a combination of directional drilling services of a contractor and the in-house Capital Crew to ensure costs are minimized for this project.

**Estimated Cost:** \$105,000

**Estimated Length/Size:** Over 2,300 LF of 2" & 3"

**Status:** Construction underway



# Capital Improvement Program Priority Ranking



CAPITAL IMPROVEMENT PROGRAM PLAN

FY23-25

26

Service Area	LINE ID	Project	Project Costs	Priority Classification	Priority Ranking	Expected Useful Life	Failure Potential	Benefit/Failure	Effect on O&M Costs:	Effect on Revenue	Environmental Impact	Total Priority Score	Notes
				10 - Mandatory 7 - Maintenance 5 - Efficiency 2 - New Service	10 - Very High 7 - High 5 - Medium 2 - Low	10 - 20+ yrs 7 - 10-19 yrs 5 - 5-9 yrs 2 - < 5yrs	10- High 7 - Medium 5 - Low 2 - N/A	10- High 5 - Medium 2 - Low 0 - N/A	10 - Reduce 5 - Unchanged 2 - Increased	10 - Increase 5 - Unchanged 2 - Decrease	10 - High 5 - Medium 2 - Low/ None		
	1	<b>PROJECTS WITH DEBT SERVICE</b>											
Central	2	Energy Saving Project - Central WWTP		7	10	10	10	10	10	5	5	67	Majority of the costs is in the blowers; also includes modifying the plant DO and level controls.
	3	Central Wastewater Treatment Upgrades (VRA)	\$4,243,599										
	4	Central Wastewater Treatment Upgrades (Addtl)	\$1,038,000										Additional capital from residual funds to subsidize VRA loan.
Forest	5	Ivy Creek 5 & 6 Design, Construction & Capacity	\$12,520,000	7	10	10	10	10	10	10	10	77	Payments begin 6 months after construction is complete.
	6	<b>Total Debt Service:</b>	<b>\$16,763,599</b>										
	7	<b>ARPA FUNDED PROJECTS</b>											
	8	<b>Town Projects</b>											
Central	9	Helm Street Tank Replacement	\$2,000,000	7	5	7	5	5	5	5	7	46	Design and construction of a new tank and associated appurtenances.
Central	10	Bell Town Road Waterline Extension	\$500,000	7	5	7	5	5	5	5	7	46	Waterline extension to serve properties affected by Town landfill leachate.
Central	11	Town & Country Subdivision Sewer Replacements	\$2,000,000	7	5	7	5	5	5	5	7	46	Rehabilitation and replacement of sewer lines serving the Town & Country subdivision.
	12	<b>Total ARPA Funding:</b>	<b>\$4,500,000</b>										
	13	<b>WATER PROJECTS</b>											
Countywide	14	Neighborhood Line Extensions (NLE) - Setaside Fund	\$20,000	2	2	10	2	0	5	10	2	33	Consider funding setaside to support NLE construction costs that exceed sum of Project Fees; allows extension of public waterlines where water quality and/or quantity is an issue and at least 70% of owners participate. Supports projects such as Howard Drive, Audobon, and Smugglers Neck.
Forest	15	Blackburn Subdivision NLE	\$400,000	5	5	10	2	2	2	10	2	38	Most of subdivision served with public water through privately maintained booster station. NLE would connect them behind the existing Fox Runn booster station.
Countywide	16	System Loops for Stability											
Forest	17	Everett Road Loop - Otterview to Walkers Crossing	\$600,000	7	5	10	5	2	10	5	2	46	Provides Forest loop and better ability to serve part of Forest system from SML Central.
Forest	18	Goode Waterline Loop - Everett to Ashwood (Rt. 221)	\$2,300,000	5	2	10	5	2	5	10	2	41	Provides loop between Goode and Forest along Route 221.
Forest	19	Cottontown Road Loop - Riley Run to Autumn Run	\$700,000	5	2	10	5	2	5	10	2	41	Improve turnover / circulation in the area and provide loop.
Stewartsville	20	Stewartsville West Loop - Drewrys Hill Road	\$300,000	7	5	10	2	0	5	5	2	36	Provides system loop.
Lakes	21	Whitehouse Road Loop	\$4,500,000	2	2	10	2	2	5	10	2	35	Needed when more than 4 MGD is flowing to Town/Forest from SMLWTF.
	22	<b>Future System Growth</b>											
Lakes	23	Goodview Waterline - SML to Sycamore Ridge	\$3,000,000	2	2	10	2	2	2	10	2	32	Routine flushing would be necessary until adequate number of connections.
Lakes	24	MVS to Valley Mills Ext (Lochwood, Capewood, Trading Post)	\$900,000	2	5	10	5	5	2	10	2	41	To provide water service to the Saunders Point Neighborhood from MVS and eliminate Valley Mills well system.
Lakes	25	SML Phase 5 to Mountain View Shores	\$6,000,000	5	2	10	5	5	5	10	2	44	Will reduce operations requirement at MVS and Valley Mills; will increase flushing needs until sufficient number of customers exist.
	26	<b>System Structures &amp; Tanks</b>											
Boonsboro	27	Fox Runn Booster Station - Structure repairs/replacement	\$25,000	7	10	10	7	5	10	5	2	56	Building is in need of repair and door needs to be replaced for accessibility and security. Due to condition of building, door cannot be replaced without repairs to the structure.
Boonsboro	28	Fox Runn Booster Station Upgrade	\$600,000	7	5	10	7	5	5	5	2	46	Aging station in need of tank replacements and upgraded equipment. If station is upsized, could also serve Blackburn subdivision water system. <i>Contracted costs difficult to justify for number of customers to be served; consider construction in-house upon available staffing.</i> (21 lots served with potential of up to 12 more)
Forest	29	Altha Grove/Cottontown Tank - Mixer	\$25,000	7	10	5	5	10	10	5	5	57	Mixer needed to destablify water and improve DBPs.
Forest	30	Altha Grove Tank Altitude Valve Replacement	\$40,000	7	5	7	7	0	5	5	2	38	Continued issues with existing G-A altitude valve causing tank overflows.
	31	<b>Operational Needs</b>											
Central	32	Forest to Lakes Permanent Booster Station	\$2,300,000	7	7	10	10	5	10	5	2	56	Needed for transferring water from Forest to Central or Lakes, or if serving all of Forest from the Lakes. Provides backup source upon failures on Route 122 water main.
Central	33	Connect Bedford Lowe's to Town Distribution System	\$200,000	7	10	10	5	5	5	5	2	49	Enables full use of the 460 Pump Station when pumping from the Forest system; Lowe's at Shiloh Church Road loses pressure and fire protection in the current configuration.
Forest	34	Lynchburg Entry Point Control Valve (Graves Mill Rd)	\$120,000	5	10	10	2	5	10	5	2	49	First step in being able to control and meter flow at the three major feeds from Lynchburg. Will reduce personnel time from manually adjusting valves, and provide immediate usage data to better manage water purchase from Lynchburg.
Various	35	Lead Service Line (LSL) Inventory	\$50,000	10	10	10	5	5	5	5	10	60	EPA is requiring localities to perform an LSL inventory, replacements and compliance planning as necessary by October 2024. The inventory is the first step towards meeting this requirement.

**Priority Score Color Codes**

20	<30
30	30-39
50	40-59
65	60+

# Capital Improvement Program Priority Ranking



CAPITAL IMPROVEMENT PROGRAM PLAN

FY23-25

Service Area	LINE ID	Project	Project Costs	Priority Classification	Priority Ranking	Expected Useful Life	Failure Potential	Benefit/Failure	Effect on O&M Costs:	Effect on Revenue	Environmental Impact	Total Priority Score	Notes
				10 - Mandatory 7 - Maintenance 5 - Efficiency 2 - New Service	10 - Very High 7 - High 5 - Medium 2 - Low	10 - 20+ yrs 7 - 10-19 yrs 5 - 5-9 yrs 2 - < 5yrs	10- High 7 - Medium 5 - Low 2 - N/A	10- High 5 - Medium 2 - Low 0 - N/A	10 - Reduce 5 - Unchanged 2 - Increased	10 - Increase 5 - Unchanged 2 - Decrease	10 - High 5 - Medium 2 - Low/ None		
	36	SCADA Needs											
Various	37	SCADA Hatch Intrusion Switches for Water Tanks	\$25,000	7	10	7	7	10	5	5	2	53	For water system security, as identified in the 2021 Risk and Resilience Assessment for 7 BRWA tanks and 3 SML tanks.
Various	38	SCADA Communications Architecture Enhancements	\$20,000	7	10	7	7	10	5	5	2	53	Change primary communication at 10 critical water sites from B2X to Verizon VPN Digi Modems for better reliability, particularly during adverse weather events.
Various	39	Sample Hydrants Phase 2A (7)	\$11,000	5	10	5	5	5	5	5	5	45	Guarantees accessibility and representative water for compliance samples. (Phased)
Various	40	Sample Hydrants Phase 2B (8)	\$12,000	5	10	5	5	5	5	5	5	45	Guarantees accessibility and representative water for compliance samples. (Phased)
Central	41	Central Bulk Fill Station (Central WWTP)	\$40,000	7	10	7	7					31	Add water filling station in Central service area and limit operator time to provide service
Central	42	Central WTP Holding Pond Sewer	\$500,000	5	7	7	7	5	10	5	2	48	Sewer line from holding ponds to public sewer for surge control release; easements would be required. Operational savings every 4 years for dredging holding ponds.
Central	43	Central Water Upgrades											
	44	Replace filter media / rebuild filters	\$30,000	5	10	5	5	10	10	5	5	55	Needed to meet filter optimization and reduce volume discharged to holding ponds; new coagulant may delay the need for media.
	45	Upgrade chemical feeders to liquid chemical (others)	\$15,000	5	10	7	7	5	10	5	2	51	Liquid chemicals would eliminate the need for daily elevator use and enhance treatment capabilities. With no dry chemicals added to the water, less sediment would need to be cleaned and hauled.
	46	Overhaul of WTP Elevator	\$150,000	7	10	7	7	5	5	5	7	53	Without the elevator to take chemicals to the top floor, the WTP will be difficult to operate. If 122 waterline not in service, an elevator failure could be critical.
	47	Booster station & finished line for customers directly served (Phase 1 Construction - Booster Station)	\$550,000	5	10	10	5	2	5	5	2	44	Design complete. Addresses several customers directly connected to plant that are currently affected by plant maintenance. Contractor costs difficult to justify for number of customers to be served; consider performing portions in-house upon additional staff availability. (Approximately 7 lots served)
	48	Booster station & finished line for customers directly served (Phase 2 Construction - Lines)	\$150,000	5	10	10	5	2	5	5	2	44	Design complete. Addresses several customers directly connected to plant that are currently affected by plant maintenance. A portion of lines may fall under replacement while other sections will be new to connect to the new booster station. Lines can be installed by BRWA Capital Crew.
	49	Central WTP - Install Security Alarm and Fire Alarm Systems	\$20,000	7	10	10	7	10	5	5	2	56	Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	50	Central WTP Rewash valves (2)	\$25,000	7	7	5	5	5	5	5	2	41	Replacement of obsolete valves that allow flushing of the filter to waste after a backwash; existing valves do not work consistently.
	51	Central WTP Replacement Turbidimeters (4)	\$20,000	10	10	5	10	5	5	5	2	52	Replacement of the 4 existing turbidimeters that monitor particulate water quality at different stages of treatment. The existing units are failing, no longer supported by the manufacturer, and are critical for VDH compliance.
	52	Central WTP Flocculators	\$65,000	7	10	10	10	5	5	5	2	54	The 1st flocculator mixer has crumbled apart from rust and is not functional. The 2nd and 3rd are in similar condition. All must be replaced for proper water treatment.
	53	Central WTP Filter Control SCADA Interface (2)	\$35,000	7	10	5	5	0	5	5	2	39	The new valves and meters that are being installed can not be controlled using the old pneumatic levers. These interface panels will integrate all the new filter control valves, sensors and meters into one system to replace the old filter table controls which operated the old valves via water pressure.
	54	Central WTP Motor Control Center Replacement	\$100,000	10	10	10	7	5	5	5	2	54	Main switch gear is corroded and does not cut power, with other parts of the panel corroded. Failure of this equipment would render the plant inoperable.
	55	Central WTP Streaming Current Monitor	\$15,000	5	10	5	5	5	10	5	2	47	Replacement of a manual 50 year old zeta meter used for bench testing to determine optimum chemical dosage, with a streaming current monitor to provide constant monitoring of the treatment effectiveness.
Central	56	Stoney Creek Reservoir - Ph 1 (Repairs & PER)	\$100,000	10	10	10	7	5	5	5	2	54	Drain valve and sluice gate require replacement to operate, involving dredging to access both. Drain line is leaking and in need of repairs. A PER will review options and costs to provide access to the outside of the dam for draining the reservoir during an emergency, with design upon completion of PER.
Central	57	Stoney Creek Reservoir - Ph 2 (Repairs / Design)	\$100,000	10	10	10	7	5	5	5	2	54	Additional funding to complete repairs and/or design and begin installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Central	58	Stoney Creek Reservoir - Ph 3 (Siphon Construction)	\$200,000	10	10	10	7	5	5	5	2	54	Installation of a siphon system to drain the reservoir, removing the need to access the drain valve by water or by way of the dam in an emergency situation. PER and design are needed first to determine construction cost.
Lakes	59	Valley Mills Building addition for chemical addition	\$20,000	5	10	7	7	5	10	5	5	54	Due to age and configuration, the waterworks experiences treatment upsets that require the tank to be dumped for dilution. The pH is very low and no pH adjustment is currently provided. The current building size is not feasible for any treatment additions or reconfigurations.

**Priority Score Color Codes**

20	<30
30	30-39
50	40-59
65	60+

# Capital Improvement Program Priority Ranking

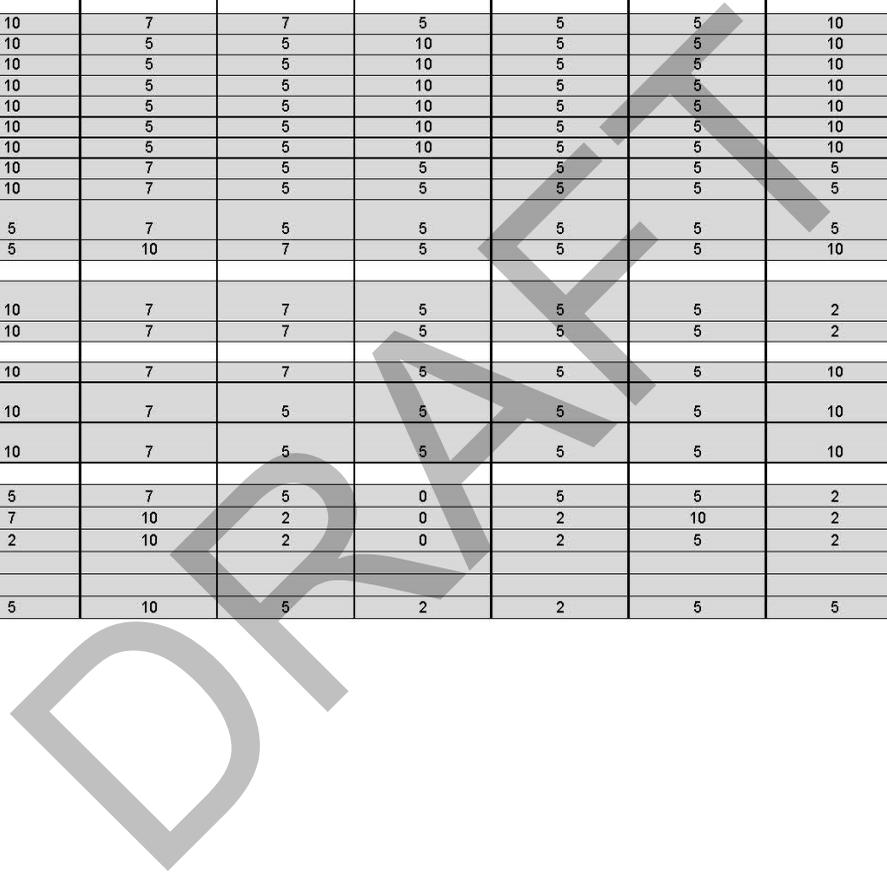


Service Area	Item ID	Project	Project Costs	Priority Classification 10 - Mandatory 7 - Maintenance 5 - Efficiency 2 - New Service	Priority Ranking 10 - Very High 7 - High 5 - Medium 2 - Low	Expected Useful Life 10 - 20+ yrs 7 - 10-19 yrs 5 - 5-9 yrs 2 - < 5 yrs	Failure Potential 10 - High 7 - Medium 5 - Low 2 - N/A	Benefit/Failure 10 - High 5 - Medium 2 - Low 0 - N/A	Effect on O&M Costs: 10 - Reduce 5 - Unchanged 2 - Increased	Effect on Revenue 10 - Increase 5 - Unchanged 2 - Decrease	Environmental Impact 10 - High 5 - Medium 2 - Low/None	Total Priority Score	Priority Score Color Codes 20 - <30 30 - 30-39 50 - 40-59 65 - 60+	Notes
SML	60	SML WTF (Costs represent shared portion with WWA)												
	61	Sewer Pump Station 4 Upgrades Ph 1 (EQ)	\$20,000	7	10	5	10	2	10	5	5	54		Inadequate capacity at the station to handle large backwash discharge volumes from SMLWTF. An existing septic tank on site can be converted to an equalization chamber to modulate flows.
	62	Sewer Pump Station 4 Upgrades Ph 2 (Pumps)	\$30,000	7	10	5	10	2	10	5	5	54		Increase pump capacity as existing station is only able to support 65 gpm with both pumps running. Limitations on capacity causes the SMLWTF to be shut down to prevent overflows.
	63	SMLWTP - Add Security System to Fire Alarm System	\$10,000	7	10	10	7	10	5	5	2	56		Facility is not staffed for 16 hours of each day, and security cameras are not monitored during off hours. A single vandalism or fire event could cause significant damage to critical equipment necessary to provide service to customers.
	64	SMLWTF GAC Pump and associated parts	\$25,000	7	10	5	5	5	5	5	2	44		Purchase larger capacity pump, variable frequency drive and associated plumbing to enable full treatment capacities of both GAC units.
	65	SML New Membrane Modules	\$140,000	7	5	2	5	10	5	5	2	41		Full membrane module replacement of one train or partial replacement of multiple trains. Degradation of the membranes has become less predictable.
	66	Raw Water Intake Standby Generator	\$50,000	7	10	7	7	10	2	5	2	50		Permanent standby power generator for the SMLWTF raw water pumps to replace the older portable generator. Will reduce manpower needed to operate the portable generator and provide greater flexibility and automation.
	67	SML Tank - Standby generator	\$15,000	7	10	7	7	5	2	5	2	45		Permanent stand by power generator for the SML Water Tank that will maintain various sensors and network service for the area.
	68	SEWER PROJECTS												
Forest	69	Lynchburg Sewer Capacity Purchases (Future Growth)												
Forest	70	Ivy Creek 1-4 Capacity (1.5 MGD Avg/ 3.75 Peak)	\$1,900,000	2	5	7	5	0	5	10	2	36		Not necessary right away - currently own 1.29 MGD Peak in Ivy 1 & 2, 1.52 MGD Peak in Ivy 3; 1.89 MGD Peak in Ivy 4.
Forest	71	Lynchburg WWTP Capacity (2.4 MGD)	\$2,800,000	2	5	7	5	0	5	10	2	36		Not necessary until more than 1 MGD needed; \$1.4M for 1.68 MGD, \$1.6M for 1.808 MGD, and \$1.9M for 1.9 MGD.
	72	Future System Growth												
Stewartsville	73	Stewartsville Sewer	\$14,000,000	2	2	10	2	0	2	10	2	30		Minimal water customers currently in this service area. PER completed in 2012 reviewing options, with cheapest capital option as a new WWTP estimated at \$8.5M at time of report.
	74	Operational Needs												
Lakes	75	Moneta WWTP												
	76	New Disk Filter Construction	\$650,000	5	2	7	5	0	5	5	5	34		Equipment quoted in 2017 at \$155k; per Wiley/Wilson, budget \$500k. Needed if septage is accepted at the plant.
	77	Replace magnetic ballasts & wiring harness	\$10,000	10	7	7	10	0	2	5	2	43		Replace with electronic ballasts; magnetic ballasts are no longer available per EPA. If flow increases, will be needed immediately.
	78	Composting sludge from Central Sewer & Moneta WWTP	\$100,000	5	7	7	2	0	10	5	2	38		Low priority; costs unknown
	79	New chains on Train 1 BLOWHEELS	\$20,000	7	10	5	10	2	5	5	2	46		Chains are showing wear and have cracked and had to replace links
	80	New chains on Train 2 BLOWHEELS	\$20,000	7	7	5	5	2	5	5	2	38		Chains life is 5 years
Lakes	81	Moneta Pump Stations												
	82	Blower system at pump station 1	\$15,000	10	10	7	7	5	5	5	5	54		Reduce/eliminate gases due to low flows. Concrete in wet starting to deteriorate.
Central	83	Central WWTP												
	84	Move sandfilter controls from basement to control room	\$35,000	10	7	7	5	0	2	5	2	38		Remove from basement to prevent future water damage
	85	Sand and repaint effluent clarifiers	\$50,000	10	7	7	5	0	2	5	2	38		Paint is chipping and rusting
	86	Sand and repaint thickener units	\$20,000	10	7	7	5	0	2	5	2	38		Paint is chipping and rusting
	87	Digester Access Improvements (SAFETY)	\$100,000	10	7	7	7	0	5	5	2	43		Need ladder with harness system for personnel access; need alternate solution for cleaning; costs unknown.
	88	Lab & Sludge Building Renovations	\$60,000	5	7	10	2	0	5	5	2	36		To upgrade very old facilities. Removes cabinets to provide more space for operators by converting lab to office space & a breakroom; move lab to existing breakroom.
	89	New RAS Pump #1	\$55,000	5	10	5	5	10	5	5	2	47		Existing pumps are 20+ years old. The primary settling tank is currently out of service due to broken railing, drives, and chains.
	90	New RAS Pump #2	\$55,000	5	10	5	5	10	5	5	2	47		Existing pumps are 20+ years old.
	91	New RAS Pump #3	\$55,000	5	7	5	5	10	5	5	2	44		Existing pumps are 20+ years old.
	92	Replace railings and chains on primary basin #1	\$20,000	7	10	7	10	5	5	5	5	54		Railings are currently broke and not operating (basin is being bypassed)
	93	Replace railings and chains on primary basin #2	\$20,000	7	7	7	5	5	5	5	5	46		This basin is operating and starting to show wear on railings.
	94	Replace the air actuator valves to electric valves on sandfilters	\$60,000	7	7	7	5	5	5	5	5	46		Electric valves will allow backwashing filters below freezing temperatures as air lines currently freeze in the winter and prevent the ability to backwash.
	95	Carport to cover sludge dumpster	\$8,000	2	10	5	2	0	5	5	2	31		Keep solids dry for less expensive disposal.

# Capital Improvement Program Priority Ranking



Service Area	PUM ID	Project	Project Costs	Priority Classification	Priority Ranking	Expected Useful Life	Failure Potential	Benefit/Failure	Effect on O&M Costs:	Effect on Revenue	Environmental Impact	Total Priority Score	Notes
				10 - Mandatory 7 - Maintenance 5 - Efficiency 2 - New Service	10 - Very High 7 - High 5 - Medium 2 - Low	10 - 20+ yrs 7 - 10-19 yrs 5 - 5-9 yrs 2 - < 5yrs	10- High 7 - Medium 5 - Low 2 - N/A	10- High 5 - Medium 2 - Low 0 - N/A	10 - Reduce 5 - Unchanged 2 - Increased	10 - Increase 5 - Unchanged 2 - Decrease	10 - High 5 - Medium 2 - Low/None		
Central	96	Central Sewer Pump Stations											
	97	Pump Station 3 Bank Restoration and armoring	\$40,000	10	10	7	7	5	5	5	10	59	The creek bank has washed away at the fence line near the overflow pipe.
	98	Pump Station 1 - Replacement Pump #2	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 2nd phase for replacement. Will reduce overflows.
	99	Pump Station 1 - Replacement Pump #3	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 3rd phase for replacement. Will reduce overflows.
	100	Pump Station 2 - Replacement Pump #2	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 2nd phase for replacement. Will reduce overflows.
	101	Pump Station 2 - Replacement Pump #3	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 3rd phase for replacement. Will reduce overflows.
	102	Pump Station 3 - Replacement Pump #2	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 2nd phase for replacement. Will reduce overflows.
	103	Pump Station 3 - Replacement Pump #3	\$45,000	5	10	5	5	10	5	5	10	55	3 pumps are >20 years old; 3rd phase for replacement. Will reduce overflows.
	104	Pump Station 6 SCADA	\$20,000	10	10	7	5	5	5	5	5	52	Allow remote view and ability to trend station performance.
	105	Pump Station 7 SCADA	\$20,000	10	10	7	5	5	5	5	5	52	Allow remote view and ability to trend station performance.
	106	Pump Station 4 Replacement & SCADA	\$290,000	10	5	7	5	5	5	5	5	47	Bring station above ground; water often present in the bottom of the station, presenting concern of safety hazard due to electrical presence.
	107	Pump Station 8 Replacement & SCADA	\$470,000	10	5	10	7	5	5	5	10	57	Smith & Loveless pump station with failing steel wet well.
Mariners	108	Mariners WWTP											
	109	New control panels for both Trains	\$25,000	5	10	7	7	5	5	5	2	46	Some of the controls are not functioning had contractor inspect and suggested replacing both control panels.
	110	Install bracing on influent basin on Train 1 and 2	\$20,000	10	10	7	7	5	5	5	2	51	The old bracing is rusting causing a safety hazard.
Mariners	111	Mariners Pump Stations											
	112	Pump Stations pump replacement	\$20,000	5	10	7	7	5	5	5	10	64	This will allow us to start replacing pumps that are 20+ years old.
	113	Pump Station 5 SCADA	\$10,000	10	10	7	5	5	5	5	10	57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.
	114	Pump Station 9 SCADA	\$10,000	10	10	7	5	5	5	5	10	57	Allow remote view and ability to trend station performance. If failure occurs, flow will go directly into the lake.
	115	OFFICE IMPROVEMENTS											
	116	Flooring and Painting for Annex Building	\$70,000	7	5	7	5	0	5	5	2	36	Same work as performed in Admin Building in 2019.
	117	Heated Garage - additional bays	\$150,000	5	7	10	2	0	2	10	2	38	More room needed for additional equipment.
	118	New Building		7	2	10	2	0	2	5	2	30	
	119	Design - Building	\$150,000										Design of new building to address expanding personnel needs.
	120	Office/Maintenance Building Construction	\$2,400,000										New two story building behind Annex building.
	121	Sewer Extension to Office Building	\$600,000	7	5	10	5	2	2	5	5	41	Pressure sewer extension, 6000' from gravity line.



Priority Score Color Codes  
 20 <30  
 30 30-39  
 50 40-59  
 65 60+



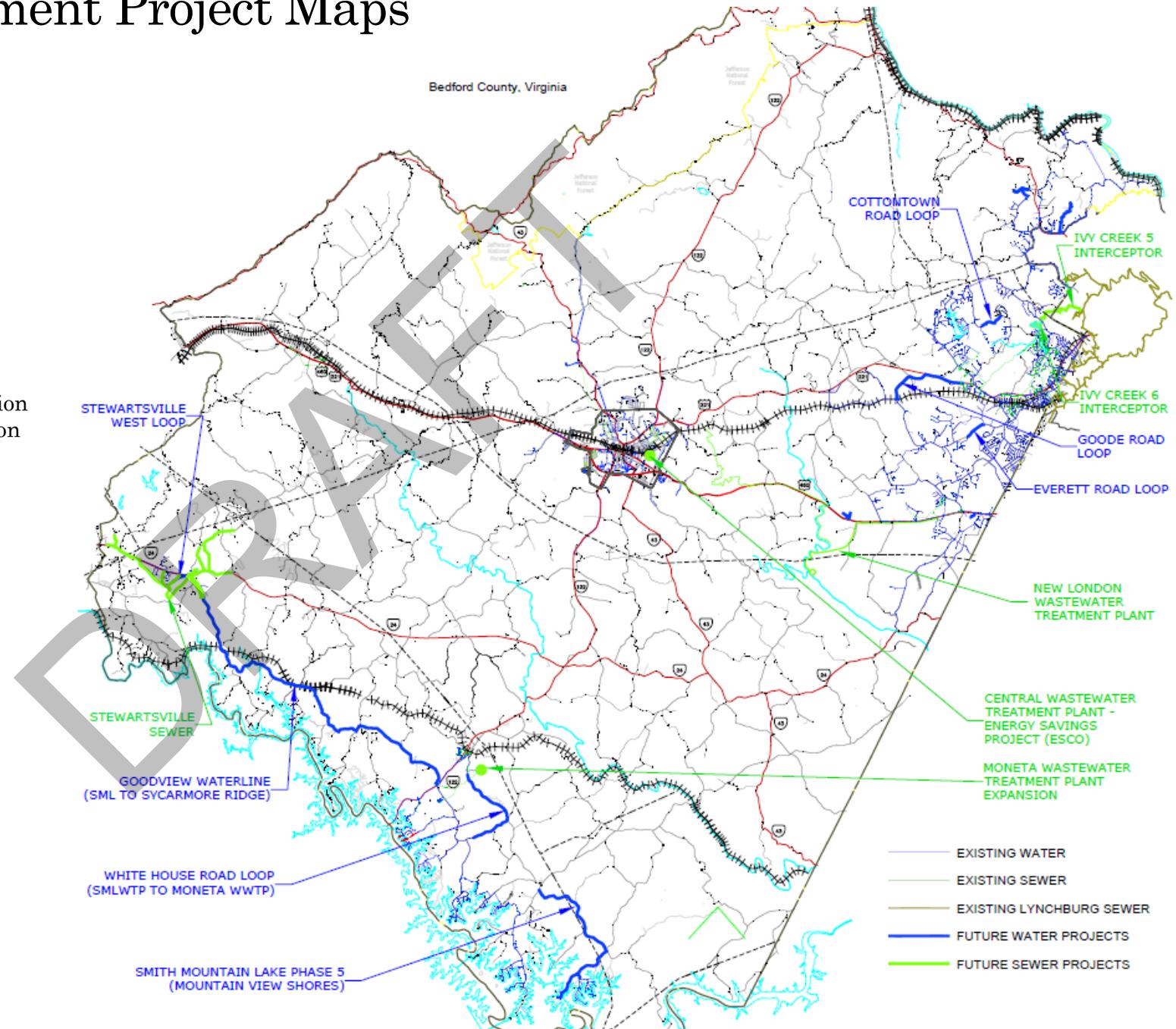
# Future Capital Improvement Project Maps

## Current CIP Projects Underway:

- Central Wastewater Treatment Plant – Energy Savings Project
- Ivy Creek Sewer Phase 5 & 6

## Future CIP Projects (not yet funded):

- Moneta Wastewater Treatment Plant Expansion
- Central Water Treatment Plant Booster Station & Service Line Replacement
- Everett Road Waterline Loop
- Goode Waterline Loop
- Cottontown Road Waterline Loop
- Stewartsville-West Waterline Loop
- White House Road Waterline Loop
- Goodview Waterline – SML to Sycamore Ridge
- Stewartsville Sewer
- Smith Mountain Lake – Phase 5 Waterline



# Central WTP Booster Station & Service Line Replacement

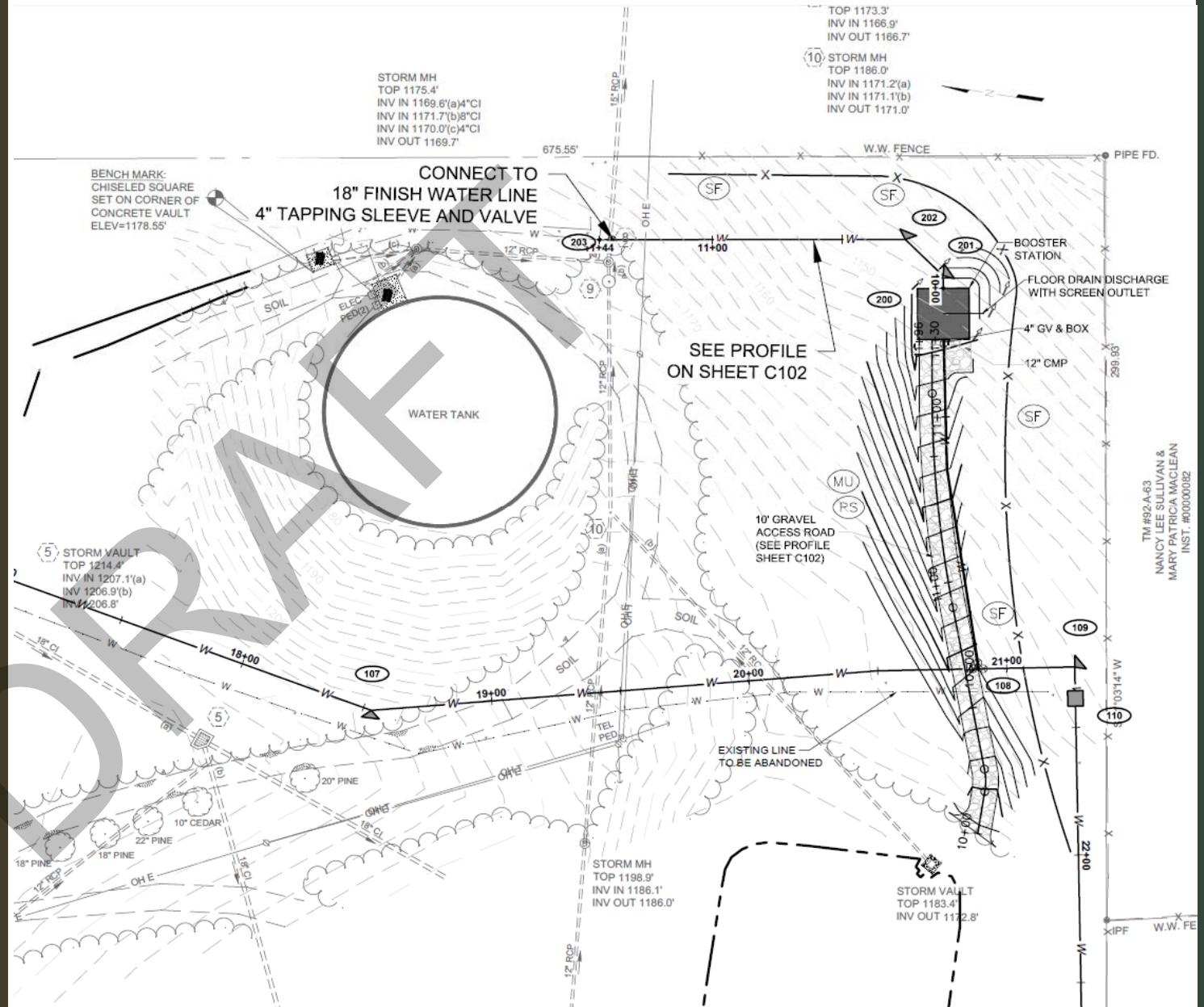
## Project Description:

The purpose of this project is to provide improved water service to the area surrounding the Central Water Treatment Plant (WTP). This WTP serves approximately 10 residential connections in the immediate vicinity of the treatment plant through a hydro pneumatic tank located inside of the WTP. Keeping the hydro tank charged for the residential connections greatly restricts or eliminates the available downtime for the water treatment plant. Design has been completed for a small booster station that can serve the existing residential customers from the existing 18" line at the treatment plant. Existing 1-inch and 2-inch service lines to the existing meters will also be replaced with larger diameter lines and connected to the new booster pump station.

**Estimated Cost:** \$700,000

**Estimated Length/Size:** Booster Pump Station & ~1,500 LF of 4"

**Status:** Designed, awaiting funding for construction



# Everett Road Waterline Loop

## Project Description:

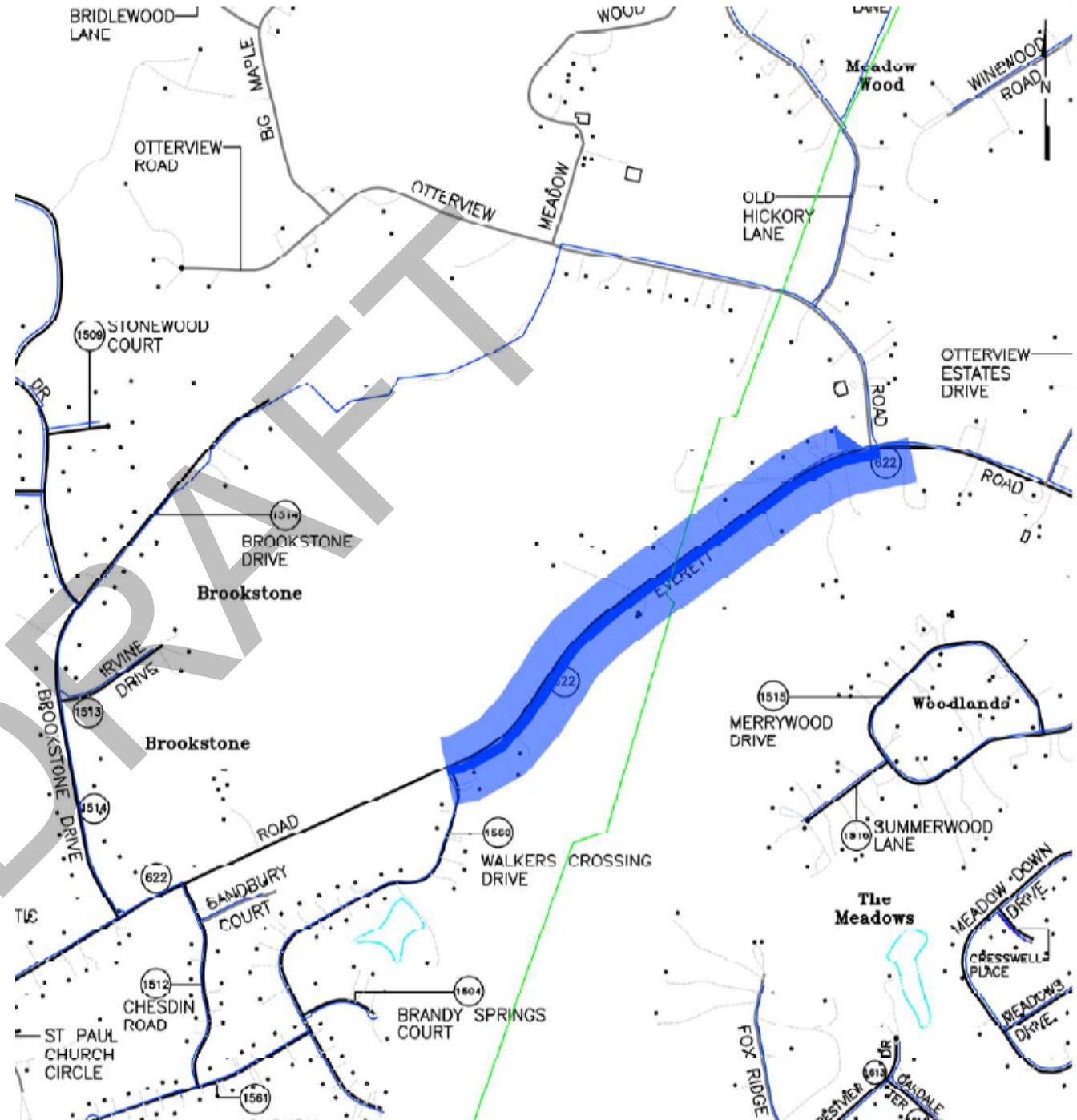
Connection of waterlines along Everett Road between Walkers Crossing Drive and Otterview Drive.

Waterlines have been extended from each direction, leaving a gap in this area along Everett Road. This project finishes a needed waterline loop for the system for greater stability. Currently there are only two water main feeds to this area, and if one must be closed for repair, additional loops are necessary to keep the system stable.

**Estimated Cost:** \$600,000

**Estimated Length/Size:** <4,000 LF of 12-inch

**Status:** Not yet funded



# Goode Waterline Loop

## Project Description:

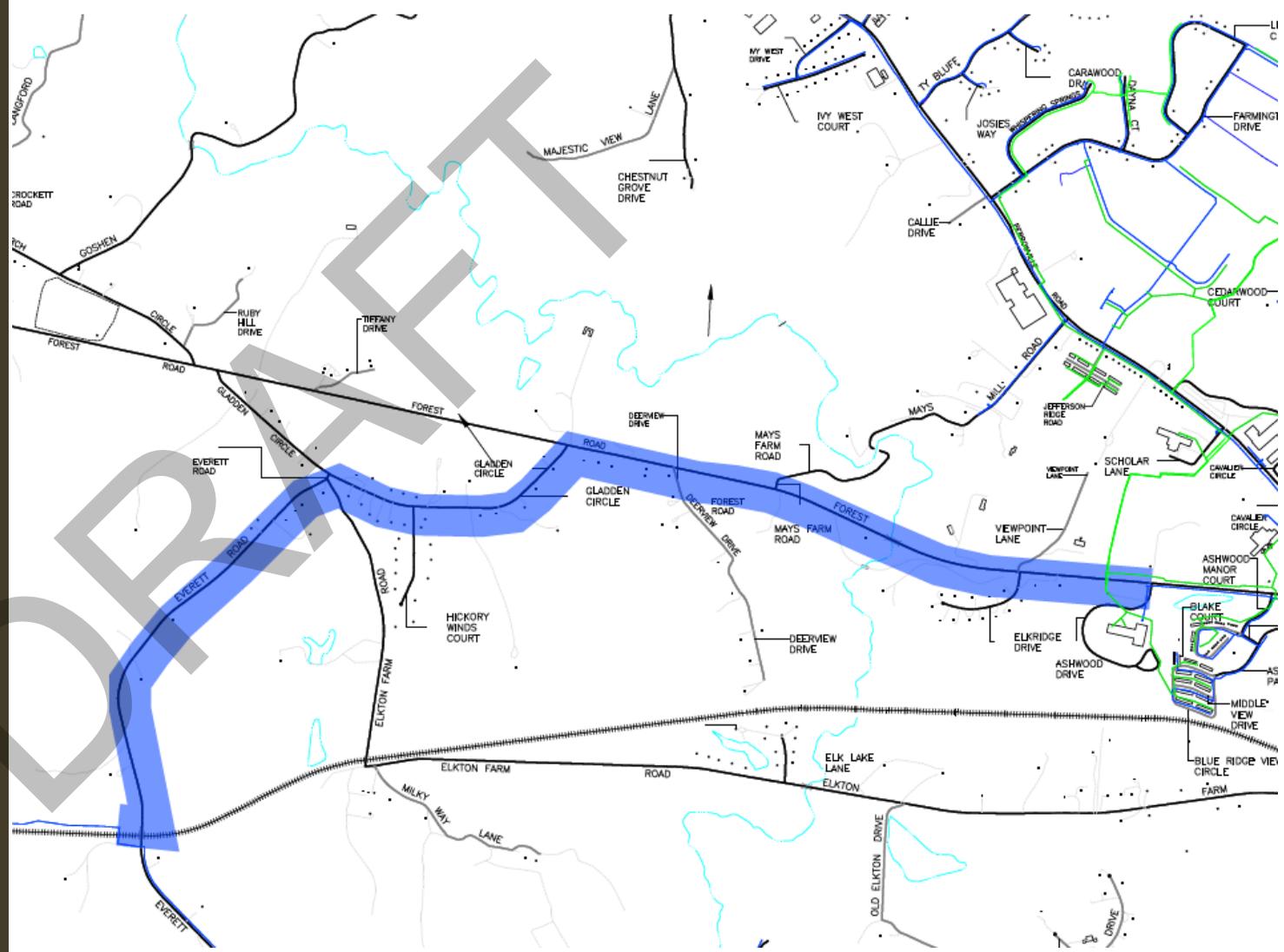
Looping waterlines at Everett Road and Canary Street to Ashwood Drive along Everett Road, Gladden Circle, and Forest Road (Route 221).

Waterlines have been extended from each direction, leaving a gap in this area along Everett Road. This project finishes a needed waterline loop for the system for greater stability. Currently there are only two water main feeds to this area, and if one must be closed for repair, additional loops are necessary to keep the system stable.

**Estimated Cost:** \$2,300,000

**Estimated Length/Size:** >3 miles of 12” – 16”

**Status:** Not yet funded





# Stewartsville-West Waterline Loop

## Project Description:

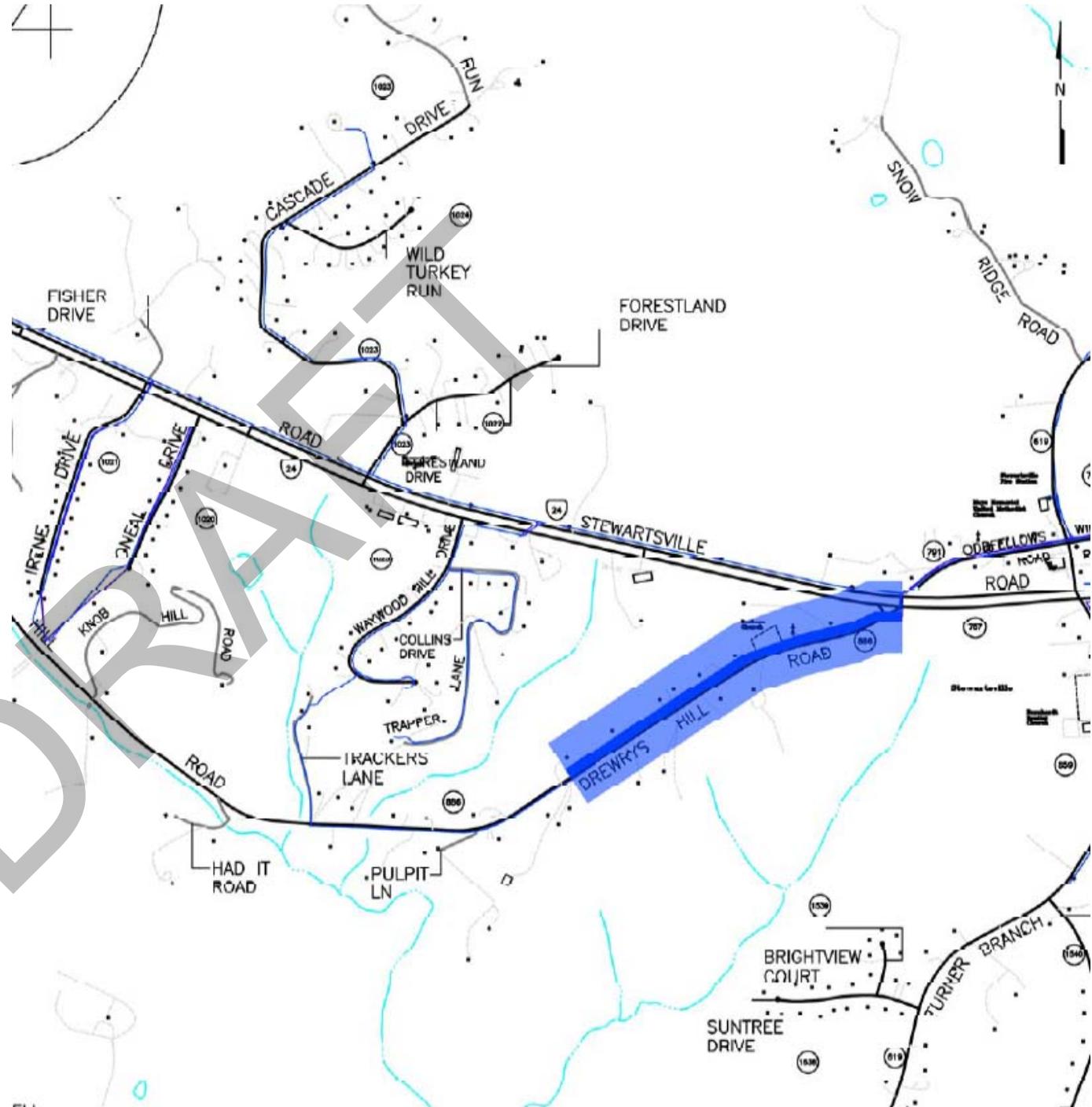
Waterline extension along Drewrys Hill Road from Pulpit Lane to Route 24 – Stewartsville Road.

This project will provide a system loop for the Waywood Hills waterline extensions. With a limited number of customers currently connected to the Stewartsville Consecutive water system, the loop is needed to assist with turnover in the lines and fresh water to the homes.

**Estimated Cost:** \$300,000

**Estimated Length/Size:** <2,400 LF of 6-inch

**Status:** Not yet funded



# White House Road Waterline Loop

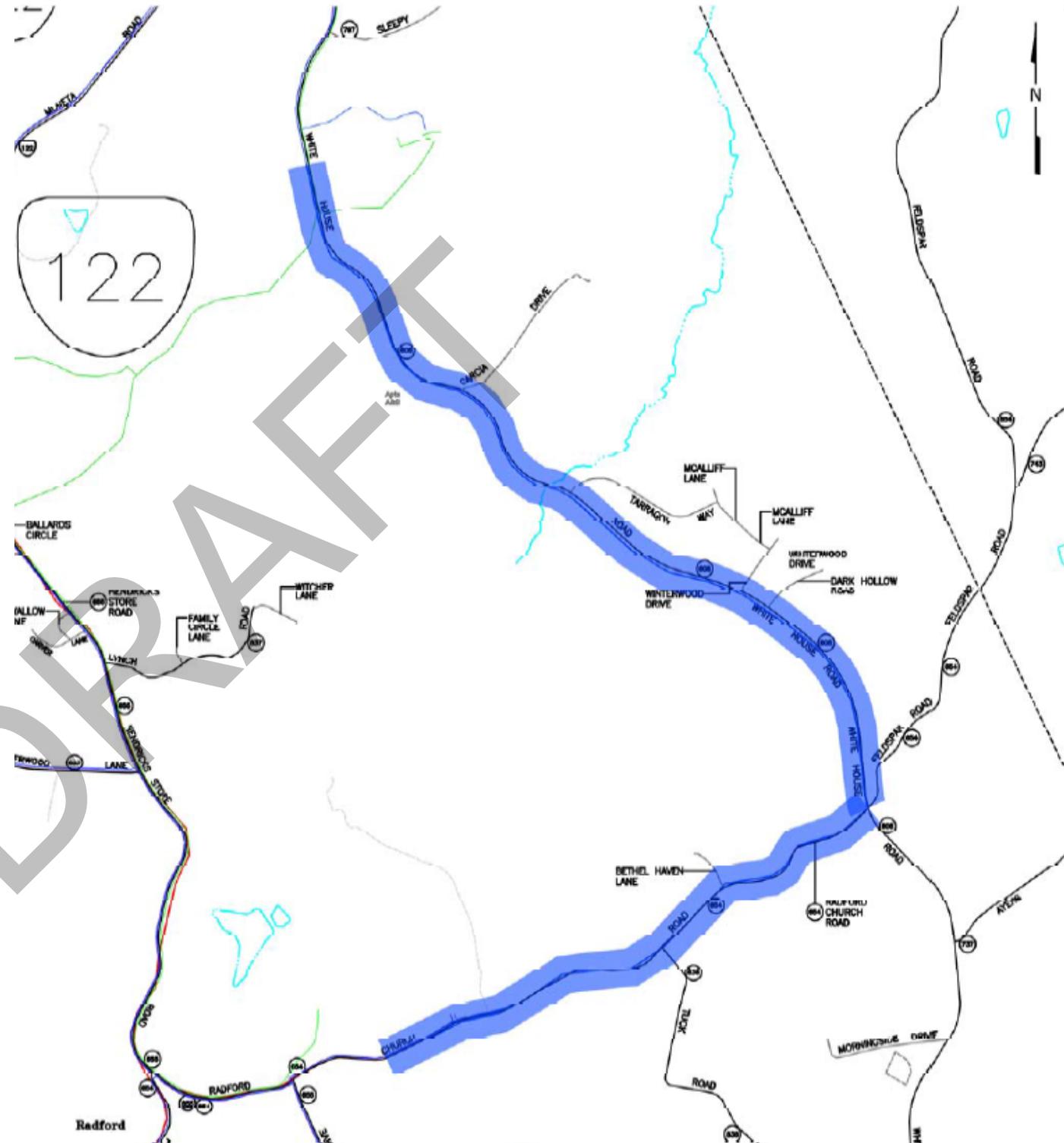
## Project Description:

This project will complete the waterline loop from the SMLWTP along Radford Church Road and White House Road to the Moneta WWTP near Moneta Road (Route 122). This waterline loop will provide water service availability to over 100 existing parcels. This loop will also allow for further looping south along White House Road to Smith Mountain Lake State Parkway.

**Estimated Cost:** \$4,500,000

**Estimated Length/Size:** >3.5 miles of 8-inch

**Status:** Not yet funded



# Goodview Waterline - SML to Sycamore Ridge

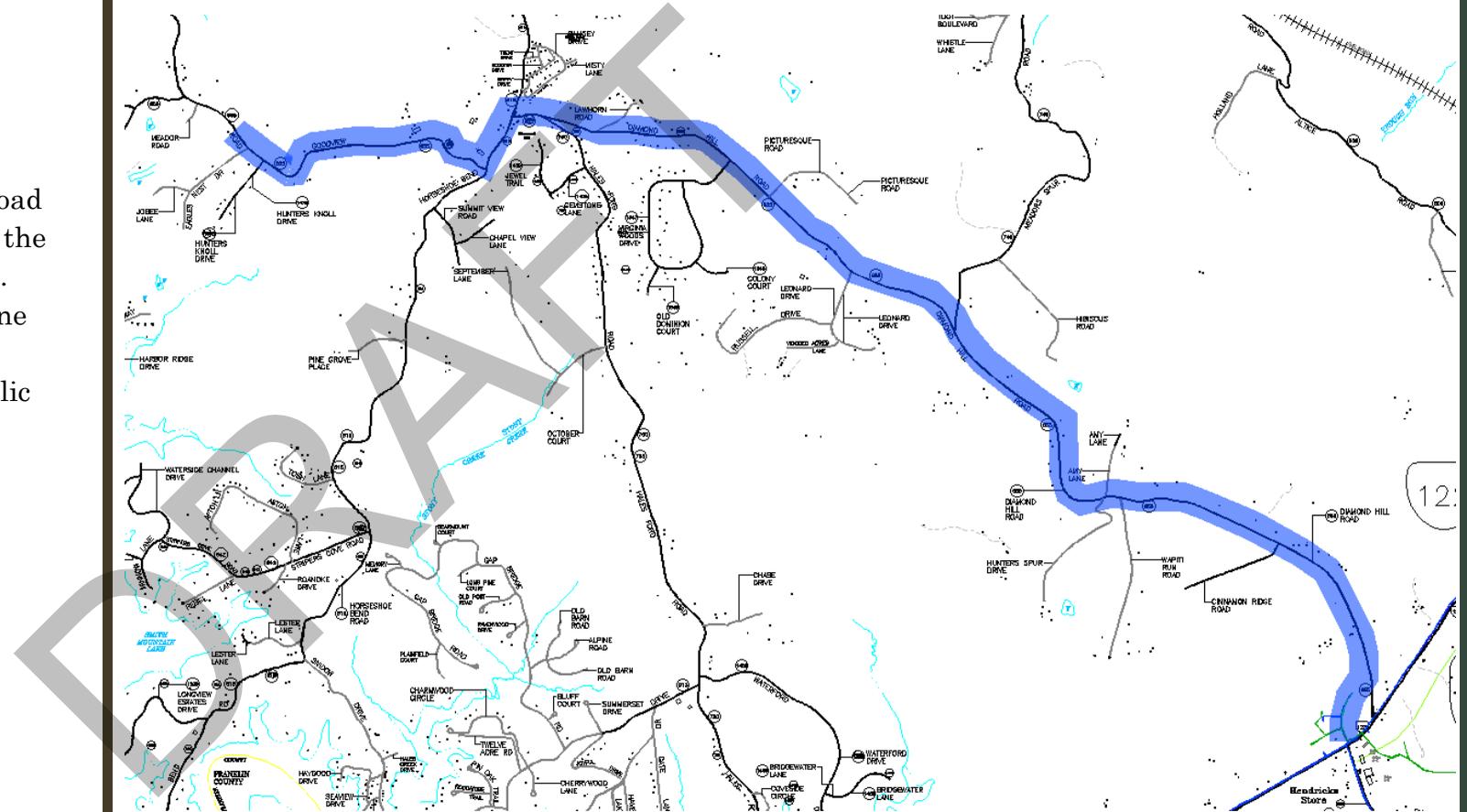
## Project Description:

This project will extend waterline from Moneta Road along Diamond Hill Road to Eagles Nest Drive at the Sycamore Ridge subdivision off of Goodview Road. Multiple requests have been made for the waterline extension by current well system owners in the Goodview area. This extension would provide public water to the area and make connections more feasible.

**Estimated Cost:** \$3,000,000

**Estimated Length/Size:** >5 miles of 12-inch

**Status:** Not yet funded



# Stewartsville Sewer

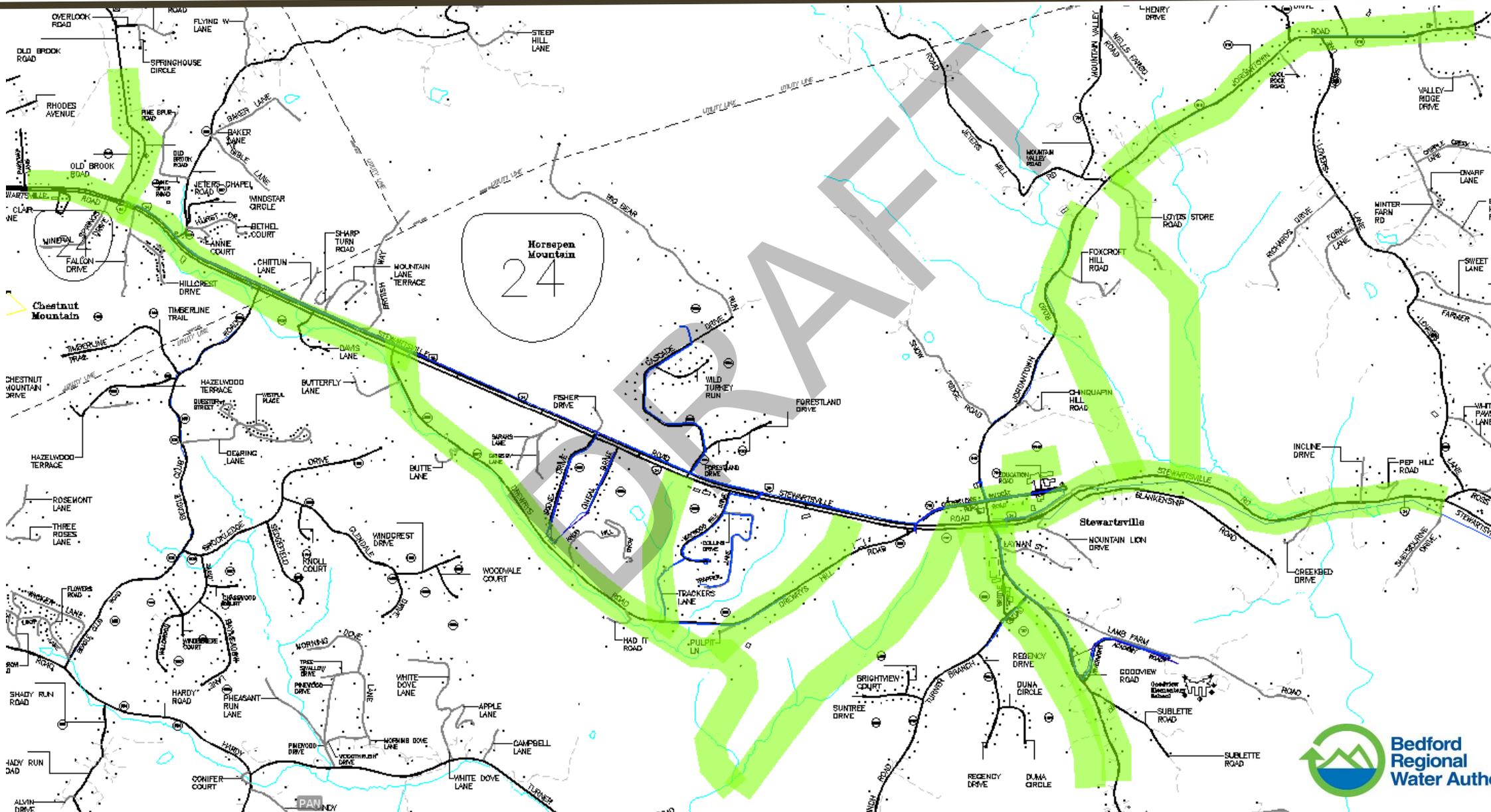
## Project Description:

This project would help promote growth of water and sewer customers in the Stewartsville and Goodview areas by providing sewer availability to rural areas currently on septic systems, including residential and commercial customers.

Estimated Cost: \$14,000,000

Estimated Length/Size: TBD

Status: Not yet funded



# Smith Mountain Lake Waterline – Phase 5

## Project Description:

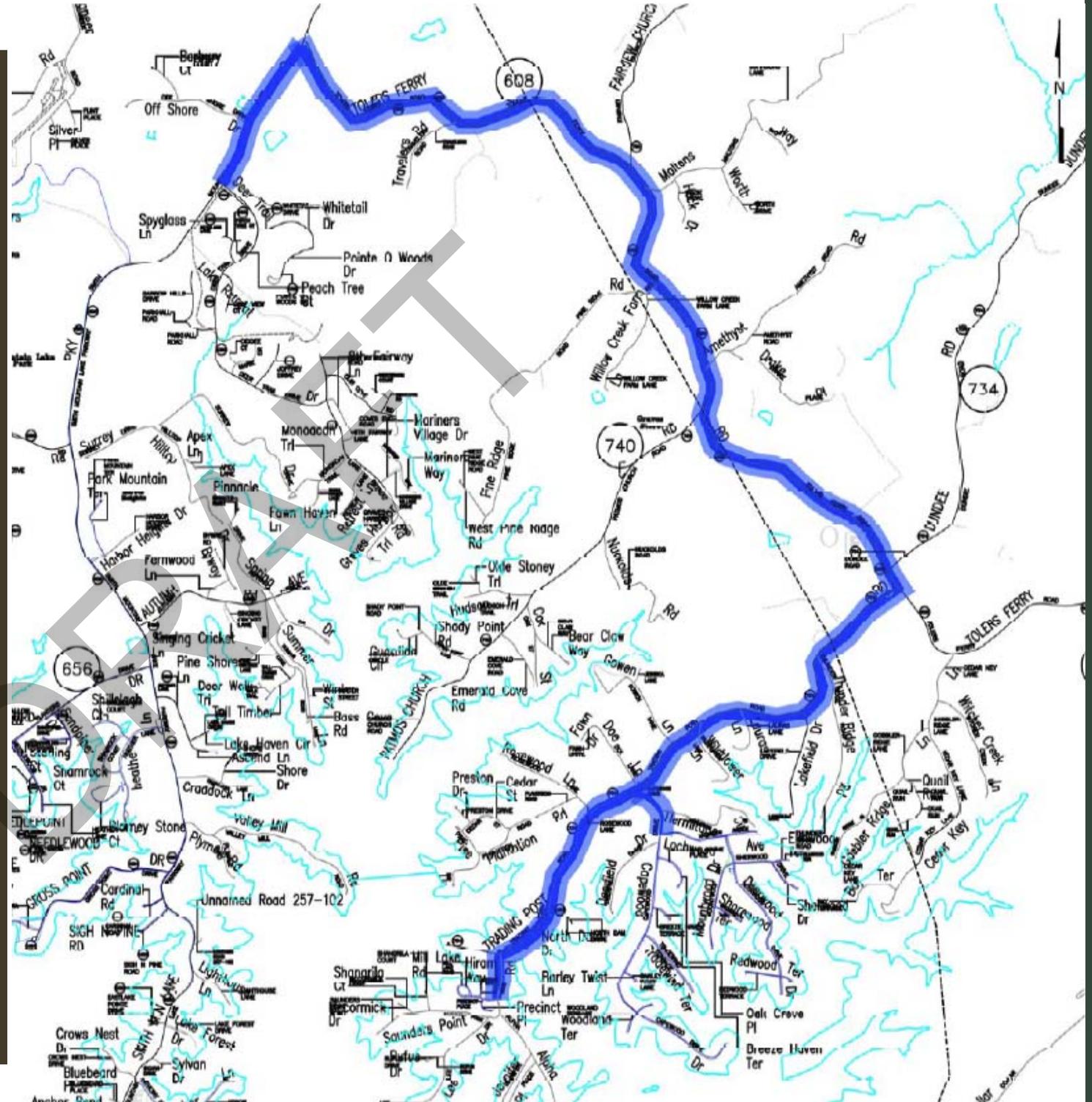
Waterline extension from Smith Mountain Lake Parkway along Tolers Ferry Road and Trading Post Road to Saunders Point Road.

The BRWA currently operates well systems in the Mountain View Shores and Valley Mills subdivisions that are located in a remote location in comparison to other facilities. Serving these subdivisions through the Mountain View Shores water system would create more cost efficiencies in the Authority's operations, eliminating two well systems and connecting them to the Lakes Central Water System. This area of the County has seen the most growth over the last year, and providing water to the area can increase the growth and tax revenue to the County, making future development around the southeastern portion of Smith Mountain Lake Parkway more feasible.

**Estimated Cost:** \$6,000,000

**Estimated Length/Size:** >6.5 miles of 8"-12"

**Status:** Not yet funded



**MOTIONS TO ENTER INTO CLOSED SESSION (made while in open meeting):** <sup>1</sup>

- **MOTION – PERSONNEL:** I move that the Board of Directors go into Closed Meeting to discuss personnel matters pursuant to Section 2.2-3711 A. 1. of the Code of Virginia, 1950, as amended.
- **MOTION – REAL PROPERTY:** I move that the Board of Directors go into Closed Meeting to discuss or consider the acquisition or the disposition of real property for public purpose pursuant to Section 2.2-3711 A. 3. of the Code of Virginia, 1950, as amended.
- **MOTION – BUSINESS:** I move that the Board of Directors go into closed meeting to discuss a matter as to a business as to which no previous public announcement has been made of its intent to locate or expand in the community pursuant to Section 2.2-3711 A. 5. of the Code of Virginia (1950), as amended.
- **MOTION – LEGAL ADVICE:** I move that the Board of Directors go into Closed Meeting to consult with legal counsel retained by the Board regarding specific legal matters requiring the provision of legal advice by such counsel pursuant to Section 2.2-3711 A. 7. of the Code of Virginia (1950), as amended.
- **MOTION – LITIGATION:** I move that the Board of Directors go into Closed Meeting to receive legal advice and staff briefings with regard to matters of actual or probable litigation pursuant to Section 2.2-3711 A. 7. of the Code of Virginia, 1950, as amended.
- **MOTION – PUBLIC CONTRACT:** I move that the Board of Directors go into Closed Meeting for discussion of the award of a public contract involving the expenditure of public funds, including interviews of bidders or offerors, and discussion of the terms or scope of such contract, where discussion in open session would adversely affect the bargaining position or negotiating strategy of the Board pursuant to Section 2.2-3711 A. 29. of the Code of Virginia (1950), as amended.

**MOTION TO EXIT OUT OF CLOSED MEETING (made while in closed meeting)** <sup>1</sup>

- **MOTION – EXIT CLOSED MEETING:** I move that the Board of Directors exit out of this Closed Meeting, and enter back into an Open Meeting.

**MOTION ONCE OUT OF CLOSED MEETING (made while in open meeting)** <sup>1</sup>

- **MOTION – CERTIFYING CLOSED MEETING:** I move that the Board of Directors take a roll call vote certifying that to the best of the member's knowledge only public business matters lawfully exempted from open meeting requirements under the Virginia Freedom of Information Act and only such public business matters as were identified in the motion by which the closed meeting was convened were heard, discussed, or considered in the meeting by the public body.

**Notes:**

1. As with any motion, a second should be made, and a majority vote (roll call if desired) must be made before any of the motions are approved and acted upon.



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Bedford, VA 24523-3137  
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## RESOLUTION MEMORANDUM

**To:** BRWA Board of Directors  
**From:** Brian Key, Executive Director  
**Date:** April 12, 2022  
**Re:** Resolution 2022-04.04: Executive Director Employment Agreement

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At the March 15, 2022 board meeting, the board discussed my performance evaluation; as part of that discussion, the board expressed their desire to have a contract with the position of Executive Director. The above referenced resolution is included with this memorandum for the board's consideration.



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**RESOLUTION**

2022-04.04

**Executive Director Employment Agreement**

At a regular meeting of the Bedford Regional Water Authority (“Authority”) Board of Directors, held in the Board Meeting Room at the Authority’s Administrative Annex Building on the 19<sup>th</sup> day of April 2022, beginning at 7:00 p.m.:

**WHEREAS**, on July 1, 2013 upon the formation of the Authority the Board of Directors (“Board”) hired Brian M. Key, PE as their Executive Director; and,

**WHEREAS**, the Board desires to have a contractual agreement for the position of the Executive Director, and would like to now enter into such an agreement with Mr. Key; and,

**WHEREAS**, Mr. Key and the Board have agreed to enter into a new contract effective April 20, 2022; now,

**THEREFORE, BE IT RESOLVED**, that the Board of Directors of the Bedford Regional Water Authority does hereby approve of and direct the Chairman of the Board to execute an employment agreement with Mr. Key containing the terms that were reviewed with the Board.

Member \_\_\_\_\_ made a motion to approve this resolution.

Member \_\_\_\_\_ seconded the motion.

Board Member Votes: \_\_\_Aye, \_\_\_Nay, \_\_\_Abstain



### **CERTIFICATION**

The undersigned secretary of the Bedford Regional Water Authority does hereby certify that the foregoing is a true, complete, and correct Resolution adopted by a vote of a majority of the Directors of the Bedford Regional Water Authority, present at a regular meeting of the Board of Directors of the Bedford Regional Water Authority duly called and held April 19, 2022 at which a quorum was present and acting throughout, and that the same has not been amended or rescinded and is in full force and effect as of the date of the above mentioned meeting.

(SEAL)

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Brian M. Key, Secretary,  
Bedford Regional Water Authority