



AGENDA

UTILITIES COMMISSION MEETING

THURSDAY, APRIL 13, 2023

5:30 P.M.

8500 PUBLIC WORKS DRIVE

I. Call Meeting to Order – Chairman Schornick

II. Determination of Quorum

III. Chairperson's Report

IV. Approval of Minutes – March 9, 2023

V. Staff Reports

	<u>Time</u>	<u>Page</u>
a. Director of Utilities Update (Tony Dawood)		
b. Cash Report and Budget Update (Ana Davis)	5 minutes	4
c. Utility Customer Service Report (Ana Davis)	5 minutes	8
d. Electric Operations Report (Tony Dawood)	5 minutes	9
e. Water & Sewer Operations Report (Michael Nicholson)	5 minutes	13
f. Purchase Orders Approved – March 2023		18

VI. New Business

g. PFAS Update (Michael Nicholson & Katelyn Geiger)	15 minutes	19
h. Election of Chairperson and Vice-Chairperson (Tony Dawood)	5 minutes	20

VII. Old Business

None

VIII. Closed Session

None

IX. Adjournment of Meeting

DISTRIBUTION:

JAMES SCHORNICK, CHAIRMAN
THERESA COATES, ELLIS, COUNCILMEMBER
MASON HOLLCROFT, COMMISSIONER
JEFFREY MCWHIRT, COMMISSIONER
KELSEY RAINVILLE, COMMISSIONER

STEPHEN SILBERSTEIN, COMMISSIONER
COURTNEY TOLSON, COMMISSIONER
W. PATRICK PATE, CITY MANAGER
BRYAN FOSTER, DEPUTY CITY MANAGER
TONY DAWOOD, DIRECTOR OF UTILITIES

VACANT, ASSISTANT DIR ELECTIC
ANA DAVIS, UTILITIES SERVICES MANAGER
MICHAEL NICHOLSON, ASSISTANT DIR W&S
VACANT, UTIL FINANCE MANAGER
FILE



UTILITY COMMISSION REGULAR MEETING MINUTES

Thursday, March 9, 2023
8500 Public Works Drive, Manassas, VA 20110

I. CALL MEETING TO ORDER

James Schornick, Chairman, called the meeting to order at 5:30 p.m.

II. DETERMINATION OF QUORUM

MEMBERS PRESENT: Chairman James Schornick, Councilmember Theresa Coates Ellis, Commissioner Mason Hollcroft, Commissioner Jeffrey McWhirt, Commissioner Kelsey Rainville, Commissioner Courtney Tolson

MEMBERS ABSENT: Commissioner Stephen Silberstein

STAFF PRESENT: Administrative Coordinator Daralyn Baker, Utilities Services Manager Ana Davis, Assistant Director of Water & Sewer Michael Nicholson, Deputy City Manager Bryan Foster

STAFF ABSENT: Director of Utilities Tony Dawood

GUESTS PRESENT: None

III. CHAIRPERSON'S TIME

Chairman Schornick announced that his term on the Utility Commission ends on June 30, 2023. A new Chairman and Vice-Chairman will need to be elected during the April 2023 meeting.

IV. APPROVAL OF MINUTES – February 9, 2023

MOTION: Commissioner McWhirt made the motion to approve the February 9, 2023 minutes as submitted.

SECOND: Commissioner Kelsey

VOTE: Unanimous

V. STAFF REPORTS

A. DIRECTOR'S UPDATE

There was no Director's update this month.

B. CASH REPORT AND BUDGET UPDATE

Ana Davis, Utilities Services Manager, presented the Cash Report for the month of February. The Total Unrestricted Utility Operating Cash as of March 1, 2023 was \$21,873,711.79 and reflects the VMEA payment of \$2,996,024.38 made on February 21, 2023.

C. CUSTOMER SERVICE REPORT

Ana Davis, Utilities Services Manager, presented the February Customer Service Report. Ms. Davis reported there were 17,105 accounts billed throughout the month of February. Total revenue billed was \$7,736,067.30 and revenue collected was \$6,629,812.32. The City wrote off \$16,227.52 this month and collected \$1,826.27 from in-house, resulting in a net collection of \$14,401.25.

D. ELECTRIC OPERATIONS REPORT

James Bower, Operations and Generation Supervisor, reported that there were 4 (four) outages during the month of February. One (1) outage each was out of Point of Woods, Airport Substation, Prince William Substation, and Battery Heights Substation.

The January VMEA billing was \$2,996,024 (\$0.850 kwh). The City coincident peak for the month of February occurred on February 4, 2023 for a peak of 67.2 MW. The Dominion Power peak was 19,544 MW.

Mr. Dawood also reported on the following CIP Projects and their status:

CIP Project and Description	Status
E30 – Underground Cable Replacement	Crews have started installing cable on Silver Maple Area. Cannon Ridge area has conduit installation complete and work began installing cable in August 2022. Conduit installation is 50% complete in the Weems/Jackson/Stonewall area.
E33 – Overhead to Underground Relocation (Electric Reliability)	Longstreet Drive from Grant to Portner is in design.
E34 – LED Streetlights	Currently working on neighborhood collector streets.

E. WATER AND SEWER OPERATIONS REPORT

Michael Nicholson, Assistant Director of Water & Sewer, presented the Water & Sewer Operations Report for the month of February. There was one (1) water main break and no sewer blockages in February. The Spring flushing program is getting ready to begin.

Mr. Nicholson also reported on the following CIP Projects and their status:

CIP Project and Description	Status
W-42 – 24” Transmission Main Replacement	Phase VI-A is under construction. Contractor mobilized and will be scheduling the start of the waterline work in the next few weeks. Staff notified of 2.4 million dollars of Stem Grant to be used for Phase IV. Phase V has 100% design plans received.
W-47 – Finished Water Capacity Increase	Project to bid in near future. Received approved plans from PWC.
W-50 – Main Replacement Looping	Longstreet Drive – ready to start Park Avenue – ready to start
W-65 – Clear Well Addition & Roof Replacement	Tanks is currently under roof, finish coats to be applied this month.
W-70 – Water Plant Improvements FY18	Replacement of flocculator paddles is in progress. Replaced valves and actuator controls on pulsator.

F. PURCHASE ORDERS APPROVED – FEBRUARY 2023

Project	Company	Amount
Pad Mount Safefront Primary Metering Station – Brickyard Data Center	Anixter	\$151,108
900amp rated T-body and connecting plugs – Brickyard Data Center	WESCO Distribution Inc	\$49,270
Box Pad – Brickyard Data Center	Irby Co	\$5,904
Box Pad – Brickyard Data Center	Graybar Electric Co	\$5,374
Security Cameras in Customer Service area	Canal Alarm Devices Inc	\$6,671
Post Concealment Inspection/Special Inspection – Clearwell Project	Terracon Consultants, Inc	\$50,526
Sanitary Sewer Replacement – Ellicott Lane	Sagres Construction Corp	\$397,076

VI. NEW BUSINESS**VII. OLD BUSINESS****VIII. CLOSED SESSION****IX. ADJOURNMENT OF MEETING**

There being no further business; a motion was made, second and carried unanimously to adjourn the meeting. Chairman Schornick adjourned the regular meeting at 6:10 p.m.

City of Manassas
Utilities Fund Cash

Fund 520-Sewer Fund		4/1/2023	4/1/2022	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017
Equity In Pooled Cash Investments		\$ 1,374,823.51	\$ 3,234,446.35	\$ 6,327,078.06	\$ 5,226,353.65	\$ 3,382,508.84	\$ 13,803,161.75	\$ 6,396,925.89	\$ 6,162,325.75
Maintenance Reserve		-	-	-	-	-	-	-	-
Total Unrestricted Cash & Investments		\$ 1,374,823.51	\$ 3,234,446.35	\$ 6,327,078.06	\$ 5,226,353.65	\$ 3,382,508.84	\$ 13,803,161.75	\$ 6,396,925.89	\$ 6,162,325.75
Rate Stabilization Fund Investments Restricted		\$ 2,931,638.33	\$ 2,681,427.83	\$ 2,681,427.83	\$ 2,681,427.83	\$ 2,077,492.08	\$ 1,571,858.08	\$ 620,958.85	\$ 2,083,778.85
Capital Projects Fund		\$ 9,862,771.42	\$ 8,567,164.38	\$ 8,579,890.70	\$ 8,560,857.05	\$ 8,673,820.60	\$ 7,985,357.07	\$ 6,802,680.91	\$ 6,891,656.26
Total Restricted Investments & Capital		\$ 12,794,409.75	\$ 11,248,592.21	\$ 11,259,311.50	\$ 11,242,284.88	\$ 10,747,312.68	\$ 9,557,215.15	\$ 7,423,639.76	\$ 8,975,435.11
Total Cash, Investments & Capital		\$ 22,366,055.13	\$ 22,399,000.00	\$ 25,491,546.26	\$ 21,632,568.15	\$ 18,471,641.70	\$ 25,877,148.84	\$ 15,841,667.65	\$ 16,872,965.56
UOSA Quarterly Payment 3/25/2023		\$ 2,709,874.00							

Fund 530-Water Fund		4/1/2023	4/1/2022	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017
Equity In Pooled Cash Investments		\$ 597,093.00	\$ 1,615,636.59	\$ 9,051,348.29	\$ 2,667,547.13	\$ 2,145,377.16	\$ 2,170,209.32	\$ 1,603,339.90	\$ 4,234,741.03
Maintenance Reserve		\$ 906,269.16	\$ 884,486.82	\$ 885,487.54	\$ 883,990.91	\$ 882,373.00	\$ 866,400.30	\$ 840,363.72	\$ 832,553.32
Total Unrestricted Cash & Investments		\$ 1,503,362.16	\$ 2,500,123.41	\$ 9,936,835.83	\$ 3,551,538.04	\$ 3,027,750.16	\$ 3,036,609.62	\$ 2,443,703.62	\$ 5,067,294.35
Investments Restricted Capital Projects Fund		\$ 8,140,864.82	\$ 7,356,426.86	\$ 7,364,749.70	\$ 7,352,301.95	\$ 6,796,909.16	\$ 6,209,103.63	\$ 5,281,199.84	\$ 5,231,788.12
Total Restricted Investments & Capital		\$ 8,947,726.98	\$ 8,112,853.72	\$ 14,729,499.40	\$ 14,704,603.90	\$ 13,623,818.32	\$ 12,418,207.26	\$ 10,722,399.68	\$ 10,463,576.24
Total Cash, Investments & Capital		\$ 19,451,089.14	\$ 10,612,977.13	\$ 24,666,335.23	\$ 18,256,141.95	\$ 16,651,568.48	\$ 15,455,812.88	\$ 13,166,103.30	\$ 15,530,864.59

Fund 540-Electric Fund		4/1/2023	4/1/2022	6/30/2022	6/30/2021	6/30/2020	6/30/2019	6/30/2018	6/30/2017
Equity In Pooled Cash Investments		\$ 17,759,203.27	\$ 17,893,696.16	\$ 17,513,019.38	\$ 18,879,437.93	\$ 18,274,493.75	\$ 15,860,623.05	\$ 13,877,745.17	\$ 11,860,729.32
Maintenance Reserve		\$ 428,245.89	\$ 417,991.04	\$ 418,463.95	\$ 417,756.64	\$ 416,991.71	\$ 409,623.72	\$ 397,303.78	\$ 391,450.01
Total Unrestricted Cash & Investments		\$ 18,187,449.16	\$ 18,311,687.20	\$ 17,931,483.33	\$ 19,297,194.57	\$ 18,691,485.46	\$ 16,270,246.77	\$ 14,275,048.95	\$ 12,252,179.33
Investments Restricted Capital Projects Fund		\$ 8,479,230.24	\$ 7,701,514.06	\$ 7,295,738.99	\$ 6,664,237.59	\$ 5,758,316.33	\$ 4,441,995.66	\$ 5,179,561.36	\$ 6,252,017.38
Total Restricted Investments & Capital		\$ 8,479,230.24	\$ 7,701,514.06	\$ 7,295,738.99	\$ 6,664,237.59	\$ 5,758,316.33	\$ 4,441,995.66	\$ 5,179,561.36	\$ 6,252,017.38
Total Cash, Investments & Capital		\$ 26,666,679.40	\$ 26,013,201.26	\$ 25,227,222.32	\$ 25,961,432.16	\$ 24,449,801.79	\$ 20,712,242.43	\$ 19,454,610.31	\$ 18,504,196.71
Payment to VMEA 3/24/2023		\$2,914,124.12							

Total Unrestricted		\$ 22,560,042.33	\$ 25,504,879.10	\$ 35,655,669.61	\$ 29,532,890.50	\$ 26,556,879.43	\$ 34,539,441.74	\$ 24,502,110.40	\$ 24,856,002.05
Total Restricted		\$ 8,479,230.24	\$ 7,701,514.06	\$ 7,295,738.99	\$ 6,664,237.59	\$ 5,758,316.33	\$ 4,441,995.66	\$ 5,179,561.36	\$ 6,252,017.38
Total Cash Utilities		\$ 31,039,272.57	\$ 33,206,393.16	\$ 42,951,408.60	\$ 36,197,128.09	\$ 32,315,195.76	\$ 38,981,437.40	\$ 29,671,671.76	\$ 31,108,019.43

Electric Fund Budget vs Actual FY23

Revenue & Expenditures						
Bill Mo	FY 23 Budget Revenue	FY 23 Actual Revenue	FY 23 Actual Expenditures	Actual Rev over Budgeted Rev	Purchase Power**	
07/22	\$ 3,869,733	\$ 3,750,546	\$ 4,138,871*	-3.08%	\$ 3,050,474	
08/22	4,332,695	4,537,072	3,132,363	4.72%	2,227,890	
09/22	4,278,024	4,845,913	4,837,241	13.27%	2,750,378	
10/22	3,453,465	4,148,952	6,016,047*	20.14%	2,428,686	
11/22	3,067,936	3,571,129	4,247,735	16.40%	2,773,737	
12/22	3,043,952	4,106,610	3,794,753	34.91%	2,944,714	
01/23	3,854,528	4,901,265	4,292,351	27.16%	2,996,024	
02/23	4,092,037	4,705,253	3,716,508	14.99%	2,914,124	
03/23	3,823,940	4,226,471	4,432,905	10.53%	2,809,759	
04/23						
05/23						
06/23						
	\$ 33,816,310	\$ 38,793,211	\$ 38,608,774	14.72%	\$ 24,895,786	

*Includes \$300K to NVTA Fund Capital which were budgeted

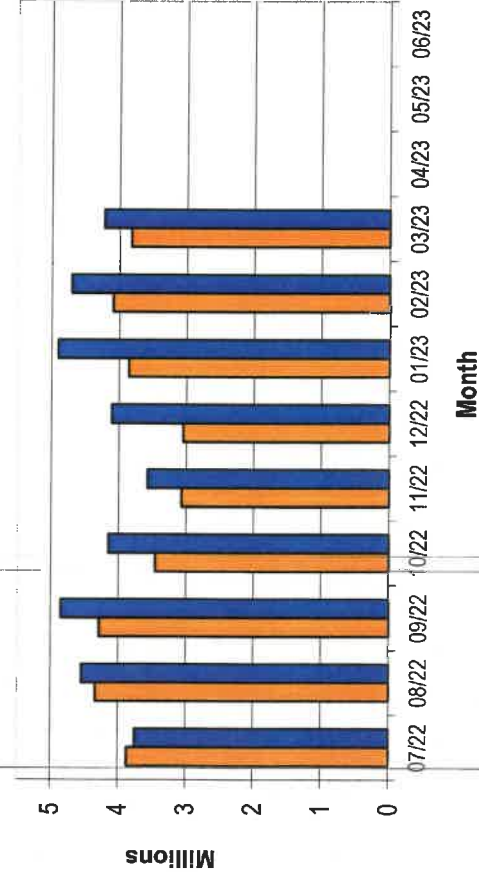
*Includes \$51,703 to Debt Service which were budgeted

**Includes 2,610,000 transfer to Electric Capital

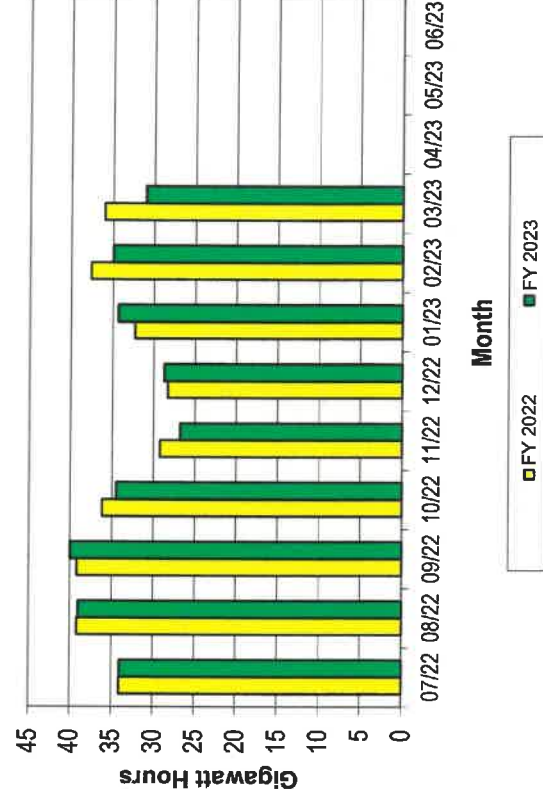
Billed Consumption

Bill Mo	FY 23 Budget Total kWh	FY 23 Actual Total kWh	FY 22 Actual Total kWh	Actual over Budgeted	FY23 over FY22
07/22	37,084,340	34,000,975	34,049,830	-8.31%	-0.14%
08/22	41,687,927	38,992,225	39,174,321	-6.47%	-0.46%
09/22	41,031,811	39,957,776	39,172,474	-2.62%	2.00%
10/22	33,066,204	34,446,995	36,148,600	4.18%	-4.71%
11/22	29,228,737	26,760,203	29,242,658	-8.45%	-8.49%
12/22	28,941,463	28,728,328	28,315,725	-0.74%	1.46%
01/23	36,842,797	34,302,907	32,295,501	-6.89%	6.22%
02/23	39,046,261	34,941,966	37,594,283	-10.51%	-7.06%
03/23	36,554,690	30,986,652	36,008,643	-15.23%	-13.95%
04/23					
05/23					
06/23					
	323,484,230	303,118,027	312,002,035	-6.30%	-2.85%

Revenue: Budget vs Actual FY23



Billed Consumption: FY 2022 vs FY 2023



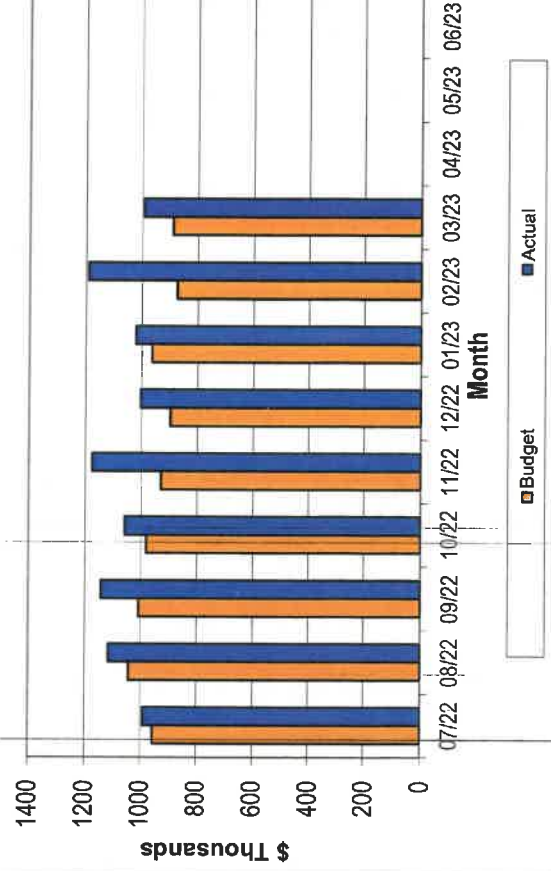
Water Fund Budget vs Actual FY23

Revenue & Expenditures				
Bill Mo	FY 23 Budget Revenue	FY 23 Actual Revenue	FY 23 Actual Expenditures	Actual Rev over Budgeted Rev
07/22	\$ 955,561	\$ 991,285	\$ 1,999,145*	3.74%
08/22	\$ 1,042,929	\$ 1,115,122	\$ 517,607	6.92%
09/22	\$ 1,007,701	\$ 1,142,521	\$ 777,414	13.38%
10/22	\$ 981,027	\$ 1,059,221	\$ 649,723	7.97%
11/22	\$ 927,918	\$ 1,175,399	\$ 1,073,479	26.67%
12/22	\$ 896,397	\$ 1,002,496	\$ 651,692	11.84%
01/23	\$ 963,244	\$ 1,021,412	\$ 1,988,643	6.04%
02/23	\$ 873,604	\$ 1,190,579	\$ 573,148	36.28%
03/23	\$ 889,903	\$ 993,758	\$ 1,538,733	11.67%
04/23				
05/23				
06/23				
	\$ 8,538,284	\$ 9,691,793	\$ 9,769,584	13.51%

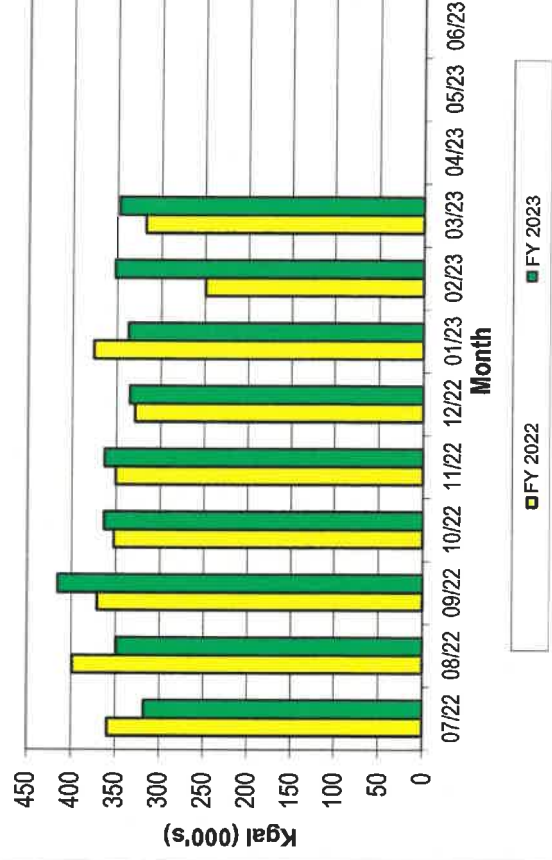
*Includes \$1,417,668 to Debt Service which were budgeted

Billed Consumption						
Bill Mo	FY 23 Budget Total Kgal	FY 23 Actual Total Kgal	FY 22 Actual Total Kgal	FY23 over FY22	Retail FY23 over FY22	Wholesale FY23 over FY22
07/21	351,607	317,553	359,112	-11.57%	-0.13%	-25.38%
08/21	386,108	349,324	398,951	-12.44%	6.67%	-29.24%
09/21	370,016	415,605	370,923	12.05%	0.19%	24.07%
10/21	357,295	363,307	352,479	3.07%	1.65%	1.36%
11/21	341,623	363,193	350,390	3.65%	-0.23%	7.76%
12/21	330,474	334,953	328,874	1.85%	1.43%	1.11%
01/22	337,589	336,766	375,881	-10.41%	-0.45%	-18.53%
02/22	323,587	352,312	249,473	41.22%	0.07%	112.51%
03/22	328,916	347,421	317,588	9.39%	8.89%	9.92%
04/22						
05/22						
06/22						
	3,127,215	3,180,434	3,103,671	2.47%	2.03%	2.82%

Revenue: Budget vs Actual FY23



Billed Consumption: FY 2022 vs FY 2023



Sewer Fund Budget vs Actual FY23

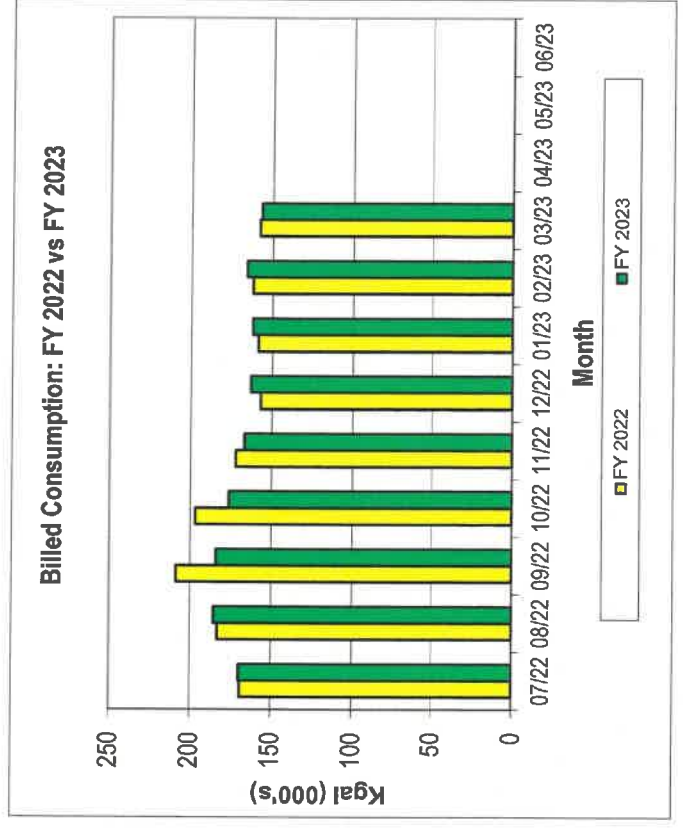
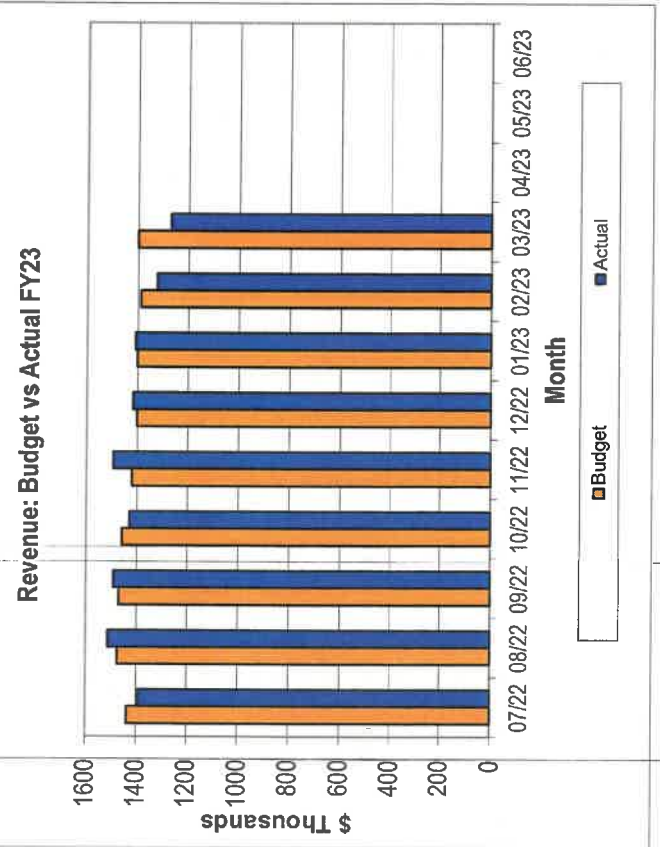
Revenue & Expenditures						
Bill Mo	FY 23 Budget Revenue	FY 23 Actual Revenue	FY 23 Actual Expenditures	Actual Rev over Budgeted Rev	UOSA Treatment	
07/22	\$ 1,436,678	\$ 1,392,292	\$ 4,672,920*	-3.09%	\$ 2,701,824	
08/22	1,474,553	1,512,919	104,112	2.60%		
09/22	1,470,177	1,490,753	3,154,909	1.40%	2,885,993	
10/22	1,457,597	1,428,896	742,754*	-1.97%		
11/22	1,421,043	1,494,574	413,331	5.17%		
12/22	1,400,480	1,417,455	2,908,349	1.21%	2,504,015	
01/23	1,400,475	1,408,218	707,405	0.55%		
02/23	1,388,093	1,325,661	120,821	-4.50%		
03/23	1,399,352	1,270,176	3,311,241	-9.23%	2,709,874	
04/23						
05/23						
06/23						
	\$ 12,848,448	\$ 12,740,944	\$ 16,135,842	-0.84%	\$ 10,801,706	

*Includes \$1,484,850 to Debt Service which were budgeted

**Includes \$31,000 to NVTFA Fund Capital which were budgeted

***Includes 450,000 transfer to Sewer Capital

Billed Consumption						
Bill Mo	FY 23 Budget Total Kgal	FY 23 Actual Total Kgal	FY 22 Actual Total Kgal	Actual Over Budgeted	FY 23 over FY 22	
07/22	167,486	169,685	169,126	1.31%	0.33%	
08/22	178,125	185,390	182,969	4.08%	1.32%	
09/22	176,577	184,020	208,767	4.22%	-11.85%	
10/22	172,641	176,116	196,862	2.01%	-10.54%	
11/22	162,853	166,808	172,025	2.43%	-3.03%	
12/22	157,047	162,785	156,824	3.65%	3.80%	
01/23	157,144	161,900	158,450	3.03%	2.18%	
02/23	153,690	165,530	161,754	7.70%	2.33%	
03/23	153,815	156,752	157,936	1.91%	-0.75%	
04/23						
05/23						
06/23						
	1,479,378	1,528,986	1,564,713	3.35%	-2.28%	



UTILITY CUSTOMER SERVICE REPORT					
FOR THE MONTH OF MARCH 2023					
REVENUES BILLED				LAST MONTH	THIS MONTH
NUMBER OF ACCOUNTS BILLED				17,105	17,134
ELECTRIC					
			Energy	\$1,920,433.06	
			Demand	\$683,184.44	
			PCA	\$948,568.82	
			FCA	\$0.00	
			Security lgts	\$18,582.83	
			Ld mgmt	\$0.00	
			Sub Total	\$3,570,769.15	
*** LOMAR		FEBRUARY		\$249,322.34	
*** MICRON		FEBRUARY		\$10,388.33	
TOTAL ELECTRIC					\$3,830,479.82
WATER					\$976,713.62
SEWER					\$685,293.03
UOSA COMPONENT					\$559,183.10
Pond overhead, maintenance and indirect					\$27,497.45
REFUSE					\$283,042.96
STORMWATER					\$230,091.23
RETURNED DEPOSITS					(\$18,725.00)
SUBTOTAL					\$6,573,576.21
PENALTIES				LAST MONTH	\$50,018.73
TOTAL REVENUE BILLED				\$7,736,067.30	\$6,623,594.94
REVENUES COLLECTED FOR MARCH BILLINGS AND PRIOR					
OVER THE COUNTER		12.35%			\$940,879.75
WIRE PAYMENTS		22.28%			\$1,697,093.98
MAIL		8.66%			\$659,356.11
A/R BOX		27.85%			\$2,120,799.63
E-CHECKS (INVOICE CLOUD)		20.81%			\$1,585,113.61
PAYPAL/VENMO		0.26%			\$19,672.74
CREDIT CARDS (INVOICE CLOUD)		7.78%		LAST MONTH	\$592,875.06
TOTAL REVENUE COLLECTED				\$6,629,812.32	\$7,615,790.88
OVER/SHORT					
OPERATION ROUND UP				\$230.21	\$0.00
MONTHLY NON PAY CUTS		DH	53		\$237.80
		CUT	162		
		HOLDS	42		
TOTAL COLLECTION RATIO:					
				99.33%	99.06%
UTILITY ACCOUNTS RECEIVABLES					
AGING	11/30/22	12/30/22	01/31/23	02/28/23	03/31/23
CURRENT DUE (ACTIVE ACCTS)	\$3,188,667.51	\$3,683,662.51	\$3,221,493.66	\$4,448,048.33	\$3,570,139.23
30 DAYS (ACTIVE ON CUT LIST)	\$405,486.22	\$542,286.27	\$292,865.49	\$311,668.19	\$315,019.73
60 DAYS (DISCONNECTED ACCOUNTS) 0.50%	\$41,931.22	\$47,770.72	\$35,647.49	\$26,880.03	\$33,519.99
90 DAYS (DISCONNECTED WAITING FOR WRITE-OFF) 0.18%	\$10,617.50	\$17,146.15	\$13,891.57	\$10,486.02	\$12,171.09
OVER 90 DAYS 0.25%	\$23,582.90	\$21,606.70	\$22,827.68	\$14,631.56	\$16,624.39
TOTAL DUE	\$3,670,285.35	\$4,312,472.35	\$3,586,725.89	\$4,811,714.13	\$3,947,474.43
* WRITE OFFS	\$16,856.53	\$10,304.36	\$11,262.39	\$16,227.52	\$4,579.33
COLLECTED FROM STATE	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COLLECTED IN HOUSE	(\$529.24)	(\$984.29)	(\$560.35)	(\$1,826.27)	(\$5,177.17)
NET	\$16,327.29	\$9,320.07	\$10,702.04	\$14,401.25	(\$597.84)
* written off accounts are bad debts removed from the accounts receivable control register but not from the system.					

Monthly Outage Report

For the Month of March

Total Outages:	5	SAIDI:	0.406
Total Customers Affected:	51	ASAI:	99.999
Total Customer Minutes:	6,760	CAIDI:	132.549
		SAIFI:	0.003

Date	Start Time	Duration (min)	Customers Affected	Customer Minutes	Substation-Feeder	Voltage Type	Cause	Device
3/5/2023	14:50	128	1	128	AIRPORT-302	Secondary	Equipment Failure	Secondary Conductor
3/3/2023	16:48	194	16	3,104	BATTERY HEIGHTS-404	Primary	Equipment Failure	Crossarm
3/29/2023	13:20	163	1	163	POINT OF WOODS-201	Secondary	Equipment Failure	Secondary Conductor
3/18/2023	17:33	55	8	440	PRINCE WILLIAM-101	Primary	Other Animal	Cutout
3/3/2023	10:57	117	25	2,925	PRINCE WILLIAM-104	Primary	Equipment Failure	Underground Conductor

** Has Multiple Restore Times.

--- 1 Momentary Outage(s) Excluded.

--- 3 Planned Outage(s) Excluded.

Electric System Operating Report – March 2023

Reliability

	SAIDI (minutes)	ASAI (%)
January	0.122	100.000
February	8.165	99.9790
March	0.406	99.9990
April		
May		
June		
July		
August		
September		
October		
November		
December		
YTD	8.693	99.9927
Target	< 52	99.99

System Average Interruption Duration Index (SAIDI):

Measures the average total sustained interruption duration for the average customer served over a defined period of time. (Sum of Customer Interruption Duration minutes / Total Number of Customers Served)

Average Service Availability Index (ASAI):

Represents the fraction of time (in percentage) that a customer service was available over a defined period of time.

Electric System Operating Report - March 2023

System Data

	VMEA Bill	Actual cost per kWh (¢)
October	\$ 2,428,686	8.60 **
November	\$ 2,773,737	8.94
December	\$ 2,944,713	7.72
January	\$ 2,996,024	8.50
February	\$ 2,914,124	9.49

****Reflects \$75,618 Dominion true-up**

March Meter Data

DVP System Peak	17,288	MW (March 21, 8 AM)
City Coincident Peak	57.84	MW (March 21, 8 AM)
City System Peak	57.84	MW (March 21, 8 AM)
System kWh Consumption	30,683,472	kWh
CP/NCP Ratio	92.86 %	(February, verified)
CP/NCP Ratio (Calendar Year avg.)	88.20 %	(February, verified)

Generation - PJM Base Residual Auction

No Capacity Calls this month.

Load Control and Voltage Reduction

Tuesday, March 21st DVP Peak 17,288 MW @ 08:00; VMEA 229.9 MW, Man-67.2 MW

Temperatures at the Peak:	Manassas	14 °F
	Richmond	16 °F
	Norfolk	22 °F

Generation – Transmission Peak Shaving (in MW)

Date	Peak Hour	Hours Ran	Manassas Generation	DVP Load	Manassas Load	VMEA Load
March 8 th	08:00	2.5	18.99	15,179	47.8	184.3
March 9 th	No Peak	1.0				
March 14 th	08:00	1.5	18.79	16,354	49.9	190.2
March 15 th	08:00	1.5	19.08	17,272	54.0	198.8
March 20 th	No Peak	1				

Electric CIP	Description	FY23 Funds Available	Project to Date Estimated Cost	Project to Date Actual Cost	Project	Status	Estimated Start Date	Estimated Completion Date
E04 / C3608	Replace Fuse Cabinets	\$0	\$20,000	\$12,054	Confederate Trail & Burnside Road	Requires major outage, need good weather. Switch is ready to install in manhole. Tarek was to check settings - ON HOLD Started Aug. 2022, Conduit install complete, Started cable install 1/2023.	Spring 2021	Spring 2022
E30 / C3667	UG Cable Replacement	\$805,656	\$300,000	\$278,930	Silver Maple Area	Started Mar. 2022, Conduit install complete, Started cable install 8/2022.	August 2022	Summer 2023
			\$250,000	\$291,885	Cannon Ridge	Conduit installation 100% complete	March 2022	Summer 2023
			\$452,500	\$143,590	Weems, Jackson, Stonewall Area		January 2023	Winter 2023
			\$260,000	\$0	King Carter Street Area		April 2023	
E31 / C3686	New Generation Alternatives	\$0	\$42,000	\$0	Public Work Generator - upgrade switchgear	Major outage needed at the PW Facility - late March 2023 time frame	March 2023	March 2023
E32 / C3694	New Fiber Optic Loop	\$263,685	\$0	\$0	Fiber Optic -Prince William to Bunker (PWF)	Need estimate and work order # created On Hold	TBD	TBD
E33 / C3693	OH to UG	\$1,018,047	\$0	\$0	Longstreet Drive	Grant to Portner - In design	April 2023	June 2024
E34 / C3695	LED Streetlights	\$126,978	\$700,000	\$573,022	LED Streetlights	(Labor will not be charged to CIP account) Skipping historic district. Working on Neighborhood Streets. Additional 420 units received.	Working	June 2025
E35 / C3515	Airport Distribution	\$1,315,120		\$0	Investigate Airport	P.O. issued to Rgrid to begin study. 90% design,		
NVTA / T042 / C3510	Rt 28 Widening VDOT	\$120,917	\$70,000	\$20,111	Route 28 Widening PH II (Godwin to PA)	Relocation 100% complete. Street light installation to begin this month.	Nov 2021	Spring 2023
NVTA T087 / C3511	Quarry Streetscape	\$109,622	\$400,000	\$410,378	OH to UG Quarry St/Messenger Pl/Main St	Relocation 100% complete. Street lights installed. East St. scheduled to be repaved late March.	May 2022	February 2023

MONTHLY OPERATIONS REPORT
WATER & SEWER DEPARTMENT
April-23

WATER PLANT	DAILY USAGE TREND (MGD)	ACTUAL DAILY AVERAGE (MGD)	MONTH
WATER PUMPED to COM	-----	11.33	Feb-23

WATER DISTRIBUTION	(MGD)	(MGD)	MONTH
MANASSAS	2.79	2.73	Feb-23
MICRON	2.52	3.05	Feb-23
MANASSAS PARK	0.48	0.60	
PWCSA	4.58	4.95	Feb-23
TOTAL	10.36	11.33	

WATER STATISTICS	PERMIT LIMIT	ACTUAL	REGULATORY LIMIT
DISINFECTION-BY-PRODUCTS-THM (Trihalomethanes)	<50 ppb	46.88	80 ppb
DISINFECTION-BY-PRODUCTS-HAA (Halogenic Acetic Acids)	< 40 ppb	34.58	60 ppb
TOC REMOVAL (Total Organic Carbon)	> 1.10	1.21	> 1.0
FY23 TURBIDITY EXCEEDANCES*	0	0	0
FY23 VIOLATIONS*	0	0	0

WATER OPERATIONS	GOAL	ACTUAL	
FY23 CRITICAL VALVES OPERATED (24")*	100%	100%	FY23 YTD
FY23 NON-CRITICAL VALVES OPERATED (All Others)*	33%	7%	FY23 YTD
FY23 LOCATIONS FLUSHED*	100%	100%	FY23 YTD
MONTHLY WATER BREAKS	2.5	0	March 23
MONTHLY WATER QUALITY COMPLAINTS	0	0	March 23
FY23 TRAINING DAYS (Utility Employees)*	108	11.75	FY23 YTD

SEWER OPERATIONS	BUDGET OR GOAL	ACTUAL	
MONTHLY SEWER BLOCKAGES	0	0	March 23
FY23 MANHOLES INSPECTED*	1,000	274	FY23 YTD
FY23 TV INSPECTIONS -camera (FEET)*	200,000	54,075	FY23 YTD
FY23 SEWER MAIN REHABILITATED (FEET)*	6,000	0	FY23 YTD
FY23 LINE CLEANING (FEET)*	200,000	110,972	FY23 YTD

SEWER (FLOW TO UOSA)	DAILY USAGE TREND (MDG)	ACTUAL DAILY AVERAGE (MGD)	MONTH
UOSA FLOW	-----	6.73	Feb-23
MANASSAS	2.69	2.51	Feb-23
MICRON	2.30	2.47	Feb-23
PWCSA	19.80	14.37	Feb-23

UOSA FLOW LIMITS		ACTUAL DAILY AVERAGE (MGD)	PERMIT LIMIT
HIGHEST 30 CONSECUTIVE DAYS AVERAGE FLOW THIS MONTH	-----	6.816	
PEAK 30 DAY PERIOD (December 2020)	-----	8.438 ⁽¹⁾	9.19 ⁽²⁾

* FY23 = July 1, 2022 - June 30, 2023

⁽¹⁾ Peak for 30 days

⁽²⁾ Maximum allowed by UOSA (Limit increased from 8.69 to 9.19 August 2019)

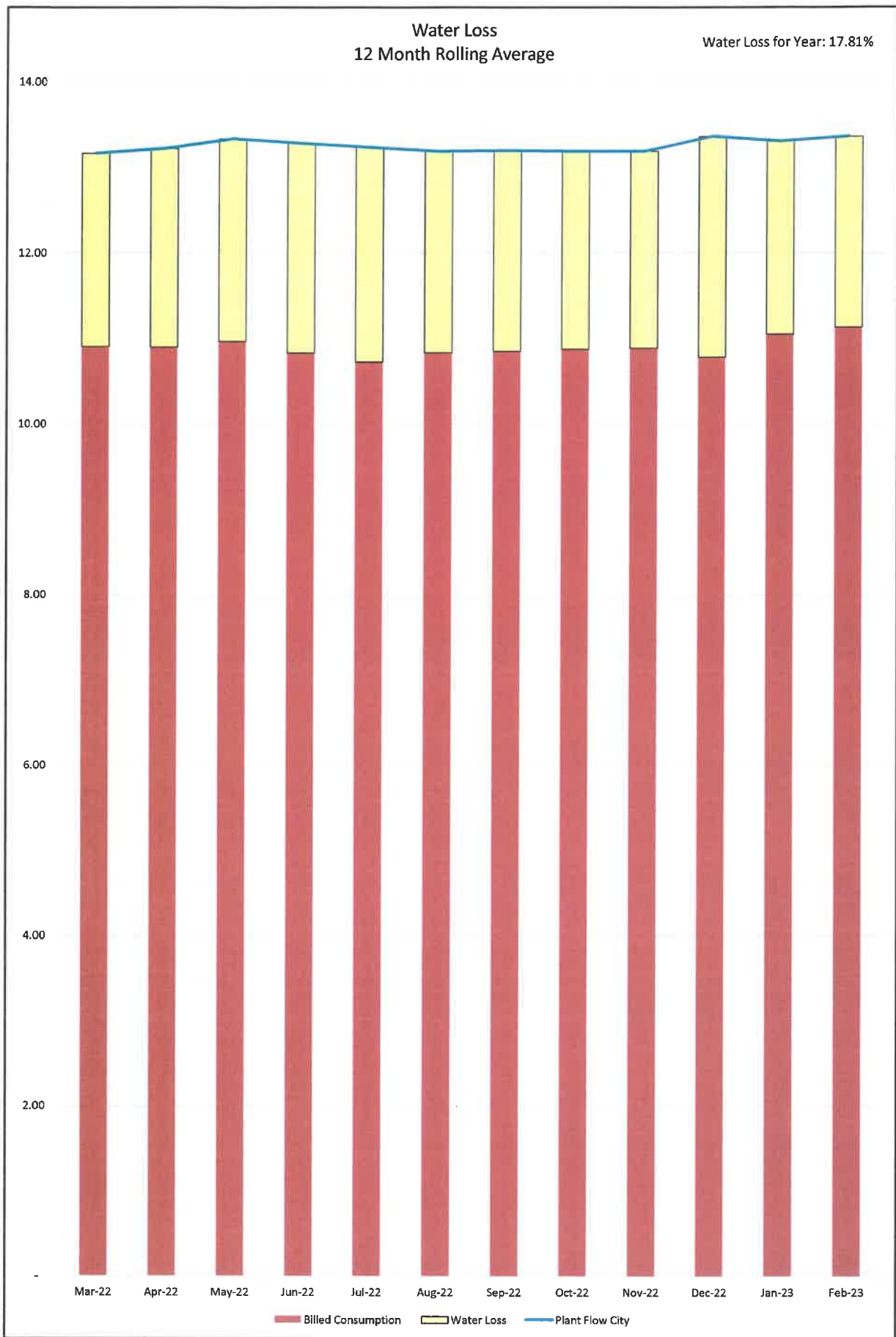
UOSA MONTHLY FLOW REPORT

AVERAGE DAILY FLOW SUMMARY for February 2023

	UOSA Influent mgd	Fairfax County mgd	Prince William County mgd	City of Manassas mgd	City of Manassas Park mgd
LIMIT: (Highest 30 consecutive days average daily flow during the past 48 months)	54.0000	22.0999	19.7971	9.1893	2.9137
ACTUAL: (Highest 30 consecutive days average daily flow during the past 48 months)	43.114 Jan-21	16.614 Mar-19	17.062 Dec-20	8.438 Dec-20	2.004 Mar-19
Highest 30 consecutive days average daily flow this month	35.908	13.105	14.374	6.816	1.620
Average daily flow this month					
Collection System	35.3754	12.9797	14.1236	6.7257	1.5464
Septage Receiving Facility	0.0584	0.0167	0.0414	0.0000	0.0003
Total average daily flow (mgd)	35.4338	12.9964	14.1650	6.7257	1.5467
Average daily flow past 3 months					
Collection System	34.8538	12.8333	13.9798	6.5025	1.5382
Septage Receiving Facility	0.0572	0.0167	0.0403	0.0000	0.0002
Total average daily flow (mgd)	34.9110	12.8500	14.0201	6.5025	1.5384
Average daily flow past 12 months					
Collection System	33.1981	12.3863	13.2327	6.2030	1.3760
Septage Receiving Facility	0.0734	0.0206	0.0527	0.0001	0.0001
Total average daily flow (mgd)	33.2715	12.4069	13.2854	6.2032	1.3761

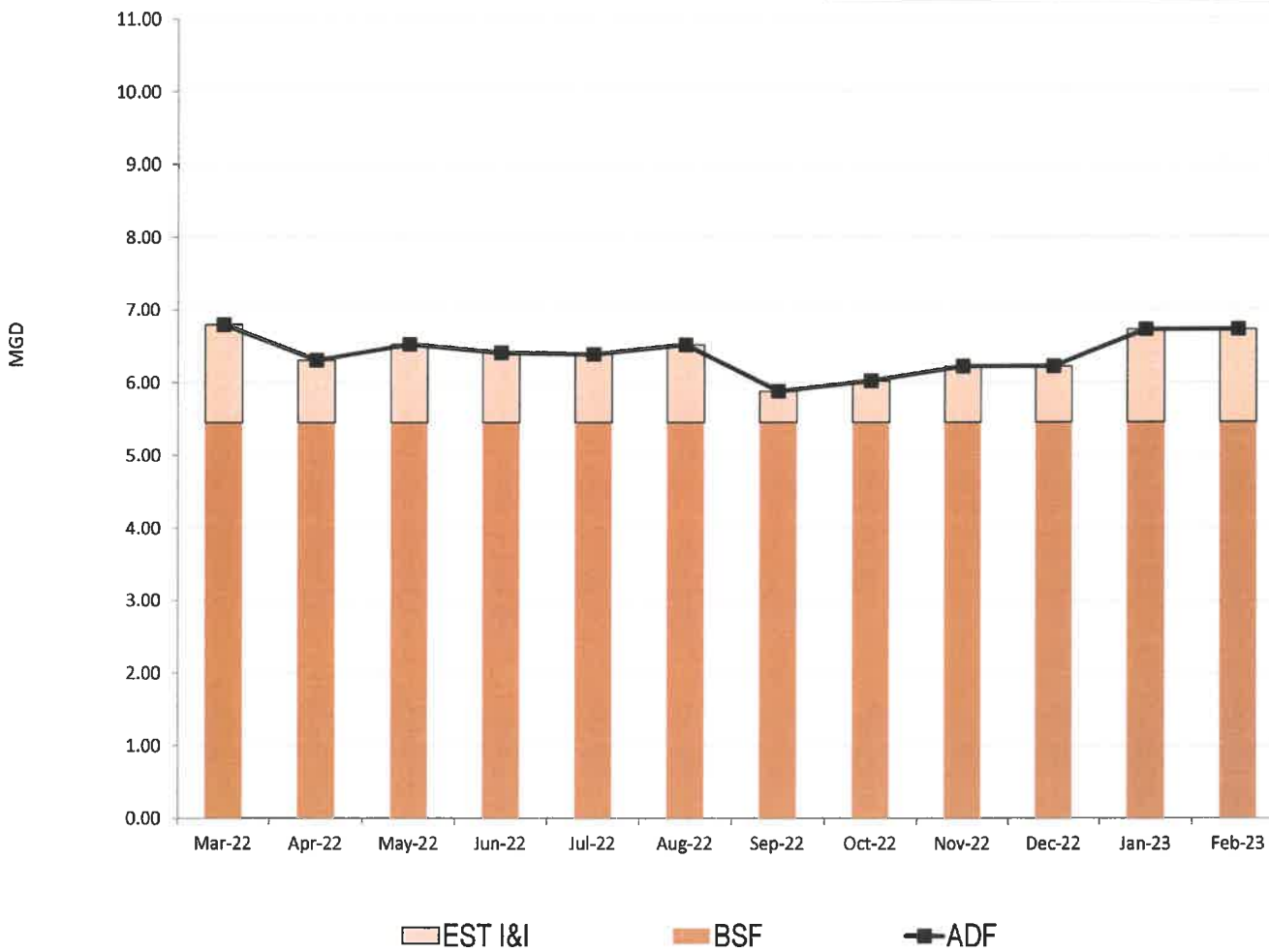
Rain data in total inches:

	Month February-23	Quarter December-22 through February-23	Year March-22 through February-23
UOSA Plant Site Gage	2.36	9.28	42.27
Dulles Weather Station Gage	2.18	8.34	36.84



Inflow & Infiltration

I&I for Feb 2023: 23%
Average I&I from 3/22 to 2/23: 17%



BSF: Baseline Sewer Flow provided by UOSA
ADF: Average Daily Flow provided by UOSA
Est I&I: Estimated Inflow & Infiltration (adf/bsf)

Rainfall for Feb 2023: 2.36"
Total Rainfall: 3/22 to 2/23 is 42.27"

WATER & SEWER DEPARTMENT CAPITAL IMPROVEMENT PROJECTS

CIP	Project Name	Year	Design & Construction Status	Project Estimate	FY 2023 Funds Available	Project to Date Actual Costs	Expected Start Date	Expected Completion Date
W042	24" Transmission Main Replacement (C3683)	2007		\$ 28,800,000	\$ 18,882,008	\$ 14,796,244		6/23
	Phase IV -Vint Hill Rd along Fitzgerald Way to Rt 28		Plan and Bid Documents are 100% Received funding on 3/31/23 and will be moving forward with advertisement	\$ 4,000,000			7/23	11/24
	Phase V -Fox Chase Dr along Vint Hill Rd to Sudley Manor Dr		90% design drawings received; alignment & easements identified. Easement acquisition complete. Dividing project and finalizing documents to meet federal requirements. Phase VB is out to bid bid, closes 4/27	\$ 10,000,000			6/23	6/24
	Phase VI-A -Residency Rd along Rt 28 to Godwin Dr		Bid awarded to General Excavation Inc.; Contractor mobilized and will be scheduling the start of the waterline work in the next few weeks. Final Tie in being completed 12/22. Completed awaiting final cathodic testing reports.	\$ 1,949,235			7/21	12/22
W047	Finished Water Capacity Increase (C3684)	2009	100% Design; waiting on final approval from PWC building officials	\$ 3,000,000	\$ 6,590,502	\$ 982,164	1/23	3/24
W054	Recycle Decant to the WTP (C3678)	2012			\$ 311,797	\$ -		
	Main Replacement Looping (C3663)				\$ 447,801	\$ 479,031		
	Airport Infrastructure	2020	In design			\$ 17,629	3/21	TBD
	Bragg Lane	2020	Completed			\$ 682,063	11/22	3/23
W050	Longstreet Drive	2020	In design at 90%			\$ 99,204	1/21	TBD
	Park Avenue		In construction anticipated completion 5/23					
	Park Street	2023	Completed final pavement 5/23			\$ 113,073	11/22	2/23
W065	Clear Well Addition & Roof Replacement (C3696)	2011	Tanks is currently under roof, finish coats to be applied this month . Permit has been posted. Post concealment has started and construction can move forward	\$ 4,745,563	\$ 4,566,232	\$ 3,677,877	12/20	5/23
W068	Interconnecting Meter Vaults (C3601)	2018			\$ 80,000	\$ -		
			Recently replaced actuators and 6" waste valves on filters 9-12. Replaced County and City actuators at pump house. Completed brick enclosures at loading dock and maintenance shop. Began sealing and painting interior block walls in conventional filter area. Completed replacement of flocculator paddles and drives for 3 and 4. currently installing new actuators headloss indicators and rate of flow controllers on conventional filters.				1/18	Continuing
W070	Water Plant Improvements (C3602)	2018			\$ 765,725	\$ 1,851,520		
W072	Surge Tank Expansion (C3519)	2021			\$ 2,000,000	\$ -		
W073	Lake Manassas Algae Control Concept Design				\$ -	\$ 63,400		
W074	Enclosure Pulsator Basins (C3521)	2021	Waiting on Building permit material on site ready to go		\$ 84,550	\$ 115,450	5/23	7/23
W077	Floc Basin Paddle Replacement (C3523)	2021	Complete		\$ 32,780	\$ 267,220		
W076	Screw Press Decant (C3522)	2021	Pilot testing completed		\$ 6,700,000	\$ -		
W066	Nokesville Rd Water Main Upgrade (C3525)	2022	In design		\$ 1,168,941	\$ 131,059		
W078	Water Meter AMR (C3530)	2023	First 1,000 nodes have been installed		\$ 11,955	\$ 292,014		
S000	18" Parallel Force Main (C3506)	2019		\$ 250,000	\$ 250,000	\$ -	TBD	TBD
S016	Upper Flat Branch Interceptor Replacement (C3669)	2010			\$ 1,934,483	\$ 808,411		
S021	Ellicott Ln Sewer Main Replacement (C3501)	2019	Construction is beginning 4/23	\$ 585,000	\$ 539,568	\$ 45,432	4/23	7/23
S023	Sewer Main Replacement (C3514)	2018	Grant avenue easment in design		\$ 1,047,461	\$ 85,539	TBD	TBD
S026	Airport Infrastructure Improvements (C3524)	2022	In design	\$ 3,800,000	\$ 3,760,196	\$ 39,804		
S024	Sewer Capacity Expansion (C3526)	2022		\$ 900,000	\$ 806,099	\$ 93,901		
T030	NVTA, Dean Dr Extended -Water (C3697)	2017	36" waterline in process expecting tie in april 2023		\$ 315,709	\$ 907,209		4/23
T030	NVTA, Dean Dr Extended -Sewer (C3699)	2018	Completed and tested		\$ 1,982	\$ 49,018		



CITY OF MANASSAS

UTILITIES DEPARTMENT

Purchase Orders Approved – March 2023

Project	Company	Amount
Longstreet Drive ROW/easement acquisitions	Volkert, Inc	\$147,989
T. Nelson Elliott Emergency Action Plan	AECOM Technical Services	\$17,300

**UTILITY COMMISSION
AGENDA STATEMENT**

MEETING DATE: April 13, 2023

AGENDA ITEM TITLE: PFAS Update

**DATE THIS ITEM WAS LAST
CONSIDERED BY UTILITY
COMMISSION:** N/A

**SUMMARY OF ISSUE/
TOPIC:** Staff to provide update and presentation in regards to upcoming regulatory and compliance requirements related to the proposed PFAS rule.

DEPARTMENT/DIVISION: Utilities/Water & Sewer

RECOMMENDATION: For Information Only

STAFF RECOMMENDATION: ____ **APPROVE** ____ **DISAPPROVE** ____ **SEE COMMENTS**

COMMENTS: N/A

**DISCUSSION
(IF NECESSARY):** N/A

BUDGET/FISCAL IMPACT: N/A

CONTACT PERSON: Mike Nicholson, Assistant Director of Water and Sewer, 703-257-8386

MN

UTILITY COMMISSION AGENDA STATEMENT

MEETING DATE: April 13, 2023

AGENDA ITEM TITLE: Election of Chairperson and Vice-Chairperson for Utility Commission

DATE THIS ITEM WAS LAST CONSIDERED BY UTILITY COMMISSION: N/A

SUMMARY OF ISSUE/ TOPIC: Chairperson James Schornick's term ends on July 1, 2023. Per the by-laws of the Utility Commission, a chairperson and vice-chairperson must be elected to act on behalf of the Commission.

DEPARTMENT/DIVISION: Utilities

RECOMMENDATION: Nominate and elect a chair- and vice-chairperson

STAFF RECOMMENDATION: ____ APPROVE ____ DISAPPROVE ____ SEE COMMENTS

COMMENTS:

DISCUSSION (IF NECESSARY):

BUDGET/FISCAL IMPACT: NA

CONTACT PERSON: Tony Dawood, Director of Utilities
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703-257-8382