



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Board of Directors

Finance and Budget Committee

Thursday, February 24, 2022

9:30 a.m.

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 202-753-6714,811596806#](tel:+12027536714811596806) United States, Washington DC

Phone Conference ID: 811 596 806#

1. **Call to Order** Anthony Giancola, Chairperson
2. **Roll Call** Linda Manley, Board Secretary
3. **January 2022 Financial Report (Attachment 1)** Lola Oyeyemi
4. **Capital Improvement Program Quarterly Update (Attachment 2)** Paul Guttridge
5. **Proposed FY 2023 Budget & Two-Year Rates (Attachment 3)**..... Matthew T. Brown
6. **Action Items**
 - A. **Recommendation for Approval of the FY 2023 Proposed Budget (Attachment 4)** Matthew T. Brown
 - Action Item 4A: Fiscal Year 2023 Proposed Operating Expenditure Budget
 - Action Item 4B: Fiscal Year 2022 – 2031 Capital Improvement Program (Ten-Year Disbursement Plan and Lifetime Budget)
 - Action Item 4C: Fiscal Year 2022 – 2031 Financial Plan
 - Action Item 4D: Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing
 - B. **Recommendation for Approval for Merchant Credit/Debit Card Processing Services (Attachment 5)** Joel Grosser
7. **Agenda for March Committee Meeting (Attachment 6)**..... Anthony Giancola
8. **Executive Session***
9. **Adjournment**

FOLLOW-UP ITEMS

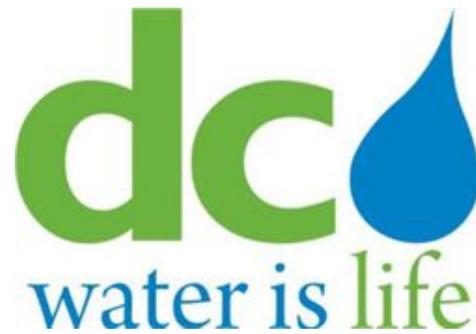
Follow-up item from the January 25, 2022 Joint Meeting of the DC Retail Water and Sewer Rates and Finance and Budget Committees meeting.

1. Follow up and clarify the decreased revenues for Fairfax County (**Mr. Franco**) **Status: Provided within the Proposed FY 2023 Budget & Two-Year Rates presentation (Attachment 3)**

1 The DC Water Board of Directors may go into executive session at this meeting pursuant to the District of Columbia Open Meetings Act of 2010, if such action is approved by a majority vote of the Board members who constitute a quorum to discuss: matters prohibited from public disclosure pursuant to a court order or law under D.C. Official Code § 2-575(b)(1); contract negotiations under D.C. Official Code § 2-575(b)(2); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4)(A); collective bargaining negotiations under D.C. Official Code § 2-575(b)(5); facility security under D.C. Official Code § 2-575(b)(8); disciplinary matters under D.C. Official Code § 2-575(b)(9); personnel matters under D.C. Official Code § 2-575(b)(10); proprietary matters under D.C. Official Code § 2-575(b)(11); train and develop members of a public body and staff under D.C. Official Codes § 2-575(b)(12); decision in an adjudication action under D.C. Official Code § 2-575(b)(13); civil or criminal matters where disclosure to the public may harm the investigation under D.C. Official Code § 2-575(b)(14), and other matters provided in the Act.

Follow-up item from the January 25, 2022 Finance and Budget Committee meeting.

1. Provide the management (external audit) report to the Finance & Budget Committee members. **(Mr. Giancola) Status:** *Management letter provided to the board members by the Board Secretary*



Fiscal Year 2022

Monthly Financial Report

Period Ending January 31, 2022

DEPARTMENT OF FINANCE

Matthew T. Brown, CFO & Executive Vice President, Finance and Procurement

Ivan Boykin, Director, Finance

Syed Khalil, Director, Rates & Revenue

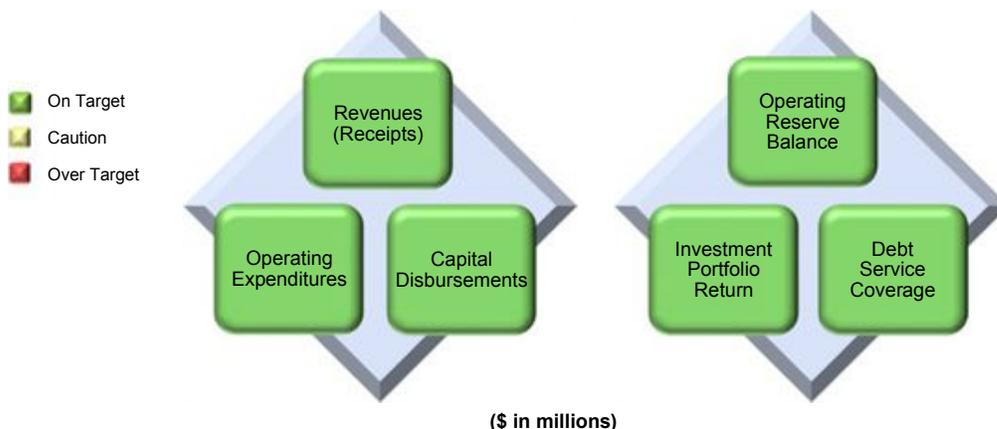
Genes Malasy, Controller

Lola Oyeyemi, Director, Budget

JANUARY 2022

EXECUTIVE SUMMARY

As of the end of January 2022, with approximately 33 percent of the fiscal year completed, we are on track with budgetary expectations and targeted performance metrics.



	Budget	YTD Budget	Actual	Variance Favorable	Variance (Unfavorable)	Actual % Budget
Revenues (Receipts)	\$798.0	\$297.6	\$310.2	\$12.6	4.2%	38.9%
Expenditures	\$658.4	\$200.6	\$190.6	\$10.0	5.0%	28.9%
Capital Disbursements	\$567.5	\$199.0	\$98.7	\$100.4	50.4%	17.4%

Highlights:

- FY 2021 Year-End Closeout Status Update
 - Development of Annual Comprehensive Financial Report (ACFR) is underway
 - The OMB Uniform Guidance Audit has been completed in early February
 - FY 2021 Green Bond Report will be completed by the end of February 2022
 - FY 2021 IMA Operating & Maintenance Settlement is underway with expected completion by end of March 2022
- DC Council Public Oversight Hearing for FY 2021 – FY 2022 Performance is scheduled for February 28, 2022

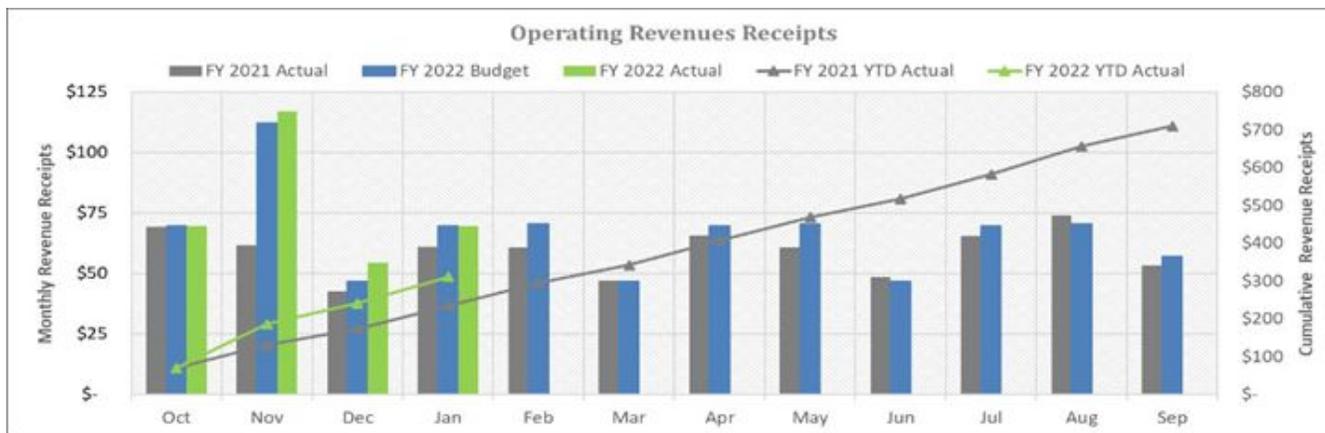
Matthew T. Brown, Executive Vice President & Chief Financial Officer

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

Operating Revenues (\$000's)

FY 2021 Actual		CATEGORY	FY 2022 Year-to-Date Performance					
Total Annual	YTD January		Annual Budget	YTD Budget	Actual	% of Budget	Variance \$ Fav(Unfav)	Variance % Fav(Unfav)
\$396,892	\$124,423		Residential / Commercial / Multi-Family	\$422,794	\$140,931	\$153,757	36.4%	\$12,826
76,206	38,586	Federal	81,339	40,670	36,782	45.2%	(3,888)	(9.6%)
20,933	6,886	Municipal (DC Govt.)	18,668	6,223	7,042	37.7%	819	13.2%
12,173	3,987	DC Housing Authority	12,592	4,197	4,349	34.5%	152	3.6%
14,862	4,796	Metering Fee	24,083	8,298	7,325	30.4%	(973)	(11.7%)
42,212	15,246	Water System Replacement Fee (WSRF)	39,717	14,250	15,034	37.9%	784	5.5%
82,986	21,037	Wholesale	84,669	21,167	21,243	25.1%	76	0.4%
21,612	7,616	PILOT/ROW	21,588	7,676	7,993	37.0%	317	4.1%
41,694	11,826	All Other	92,535	54,178	56,650	61.2%	2,472	4.6%
\$709,569	\$234,404	TOTAL	\$797,985	\$297,591	\$310,175	38.9%	\$12,584	4.2%



VARIANCE ANALYSIS FOR MAJOR REPORTED ITEMS

At the end of January 2022, cash receipts totaled \$310.2 million, or 38.9 percent of the FY 2022 budget. The total receipts for January were \$69.53 million as compared to the budgeted \$69.52 million. Several categories of customers make payments on a quarterly basis, including the Federal Government (which made their second quarterly payment in January), and wholesale customers (which made their first quarterly payment in November 2021).

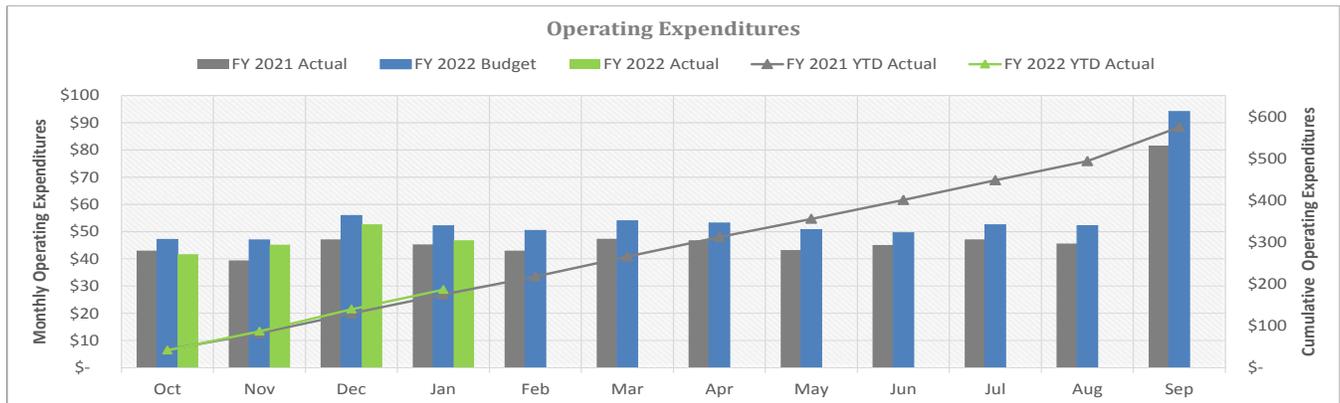
Areas of Over-collection	Areas of Under-collection
<p>Residential, Commercial and Multi-Family – Receipts for this category are slightly higher at \$153.8 million or 36.4 percent of the budget. The January 2022 receipts were higher by \$0.2 million, or 0.7 percent as compared to the monthly budget of \$35.2 million. The Commercial consumption is higher than the budget. The CRIAC receipts are also slightly higher than the budget.</p> <p>District Government – Receipts are slightly higher at \$7.0 million or 37.7 percent of the budget. The January 2022 receipts of \$1.7 million are slightly higher by one hundred fifty-five thousand dollars as compared to the monthly budget.</p> <p>DC Housing - Receipts are slightly higher at \$4.3 million or 34.5 percent of the budget. The January 2022 receipts are slightly lower by five thousand dollars as compared to the monthly budget of \$1.0 million.</p> <p>Wholesale – The wholesale customers actual receipts through January 2022 total \$21.2 million or 25.1 percent of FY 2022 budget. The wholesale customers made their first quarter payment in November 2021.</p> <p>PILOT/ROW – The receipts for PILOT/ROW are slightly higher at \$8.0 million or 37.0 percent of the budget. The January 2022 receipts are slightly lower by ninety-one thousand dollars as compared to the monthly budget of \$2.3 million.</p> <p>Other Revenue - Receipts are slightly higher at \$56.7 million or 61.2 percent of the budget. This includes \$41.6 million transfer from the Rate Stabilization Fund to the ending cash balance in November 2021. The January receipts are slightly higher by \$1.1 million as compared to the monthly budget of \$2.5 million.</p>	<p>Federal - Actual receipts through January 2022 total \$36.8 million or 45.2 percent of the budget. The Federal government made their second quarter payment in January 2022. The lower actual Federal receipt is partly due to disputed accounts of Soldiers Home and partly due to removal of two accounts (Union Station and Amtrak) from Federal as these are being billed as Commercial.</p>

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

Operating Expenditures (\$000's)

FY 2021		CATEGORY	FY 2022					
Actual			Year-to-Date Performance					
Total Annual	YTD January		Annual Budget	YTD Budget	Actual	% of Budget	Variance \$	Variance % Fav(Unfav)
\$165,032	\$52,366	Personnel	\$180,353	\$ 57,547	\$56,784	31.5%	\$ 763	1.3%
73,576	26,322	Contractual Services	88,504	30,899	27,833	31.4%	3,066	9.9%
33,135	10,183	Water Purchases	35,217	10,513	10,271	29.2%	242	2.3%
34,244	10,304	Supplies & Chemicals	34,201	11,102	11,768	34.4%	(666)	(6.0%)
27,329	8,471	Utilities	27,329	8,939	10,504	38.4%	(1,565)	(17.5%)
617	35	Small Equipment	1,108	246	174	15.7%	72	29.4%
\$333,933	\$107,681	SUBTOTAL O&M	\$366,712	\$119,248	\$117,334	32.0%	\$1,914	1.6%
204,878	66,361	Debt Service	231,164	73,881	65,699	28.4%	8,182	11.1%
22,372	7,458	PILOT/ROW	22,718	7,514	7,573	33.3%	(59)	(0.8%)
30,355	0	Cash Financed Capital Improvements	37,830	0	0	0.0%	0	0.0%
\$591,539	\$181,500	TOTAL OPERATING	\$658,424	\$200,643	\$190,606	28.9%	\$10,037	5.0%
(23,395)	(6,747)	Capital Labor	(25,086)	(7,737)	(8,058)	32.1%	321	(4.2%)
\$568,144	\$174,754	TOTAL NET OPERATING	\$633,337	\$192,907	\$182,548	28.8%	\$10,358	5.4%



VARIANCE ANALYSIS FOR MAJOR REPORTED ITEMS

Total operating expenditures for this period (including debt service and the Right-of-Way & PILOT fees) totaled \$190.6 million or 28.9 percent of the FY 2022 Board-approved budget of \$658.4 million.

These numbers include estimated incurred but unpaid invoices and are subject to revision in subsequent months.

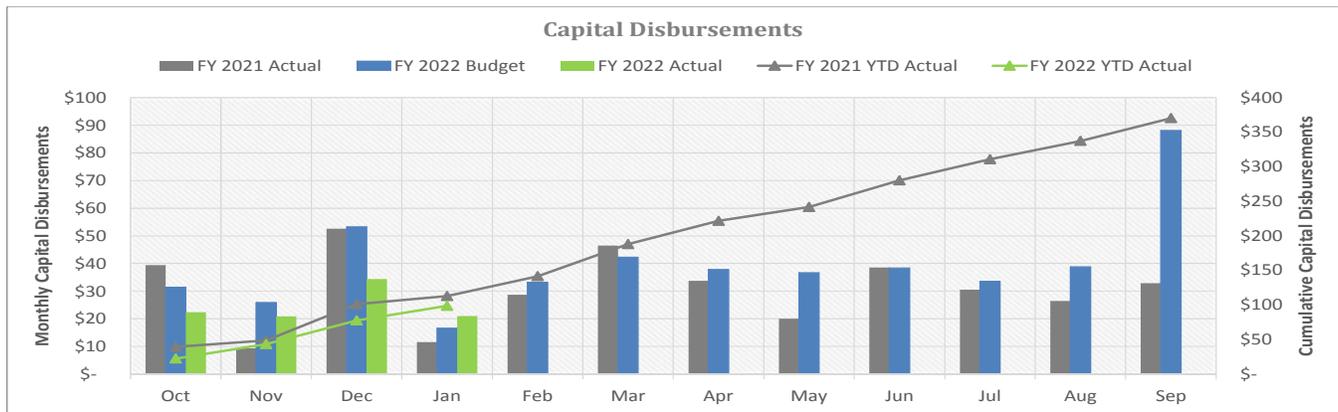
Areas of Underspending	Areas of Overspending
<p><u>Personnel Services</u> – YTD spending is aligned with expectations. Of the 1241 positions authorized, 1082 were filled at the end of January with a vacancy rate of 13 percent.</p> <p><u>Contractual Services</u> – Spending is in line with expectations at this time of the fiscal year.</p> <p><u>Small Equipment</u> – Spending is consistent with purchases at this time of the fiscal year.</p> <p><u>Water Purchases</u> – Reflect DC Water’s share of Washington Aqueduct expenditures (approx. 75 percent).</p> <p><u>Debt Service</u> – YTD underspending of \$8.2 million is mainly due to a \$3.0 million release from the 1998 Debt Service Reserve Fund in excess of the requirement and a reduction in the planned Forward Direct Purchase.</p>	<p><u>Utilities</u> – Overspending is primarily due to higher than budgeted electricity prices. A total of 5MW of the Authority’s electric load is locked at an average Western Hub price of \$57.38/MWh for the remainder of the fiscal year. Staff continues to monitor the market for any significant changes in unit prices.</p> <p><u>Supplies & Chemicals</u> – Overspending is primarily due to higher unit prices of various major chemicals used at the Plant.</p>

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

Capital Disbursements (\$'000's)

FY 2021 Actual		CATEGORY	FY 2022 Year-to-Date Performance					
Total Annual	YTD January		Revised Budget	YTD Budget	Actual	% of Budget	Variance \$	Variance % Fav(Unfav)
21,508	\$5,891	Non Process Facilities	\$31,439	\$15,489	\$6,341	20.2%	\$9,148	59.1%
72,007	26,918	Wastewater Treatment	85,979	38,406	23,047	26.8%	15,359	40.0%
161,517	48,918	Combined Sewer Overflow	152,267	48,589	36,435	23.9%	12,154	25.0%
1,831	480	Stormwater	7,029	2,349	707	10.1%	1,643	69.9%
28,204	6,471	Sanitary Sewer	68,086	22,051	9,379	13.8%	12,672	57.5%
55,880	17,332	Water	165,313	55,335	18,524	11.2%	36,810	66.5%
\$340,946	\$106,010	SUBTOTAL CAPITAL PROJECTS	\$510,112	\$182,219	\$94,433	18.5%	\$87,786	48.2%
19,585	6,302	Capital Equipment	40,519	11,978	4,236	10.5%	7,742	64.6%
9,588	550	Washington Aqueduct	16,875	4,835	0	0.0%	4,835	0.0%
\$29,174	\$6,852	SUBTOTAL ADD'L CAPITAL PROGRAMS	\$57,394	\$16,813	\$4,236	7.4%	\$12,577	74.8%
\$370,119	\$112,862	TOTAL	\$567,507	\$199,033	\$98,669	17.4%	\$100,364	50.4%



VARIANCE ANALYSIS FOR MAJOR REPORTED ITEMS

At the end of January 2022, capital disbursements are \$98.7 million or 17.4 percent of the FY 2022 revised budget.

Capital Projects	Additional Capital Programs
<p>YTD disbursements remain low in various service areas, such as Non-Process Facilities, Stormwater, Sanitary Sewer and Water with anticipated uptick in spending expected during the latter part of the fiscal year.</p> <p>Overall project performance will be reviewed in detail as part of the quarterly CIP update by the Department of CIP Infrastructure Management to the Environmental Quality & Operations and Finance & Budget Committees in February 2022.</p>	<p><u>Capital Equipment</u> – Lower than planned disbursements are across most of the departments. Major delays continue in the Procurement and delivery of Fleet equipment for specification requirements. Spending is expected to increase during the year for unused funds in the Authority-wide reserves, and major projects including Enterprise Resource Planning (ERP), ongoing meter replacements, and other equipment items.</p> <p><u>Washington Aqueduct</u> – The fourth quarter invoice of FY 2021 and the first quarter invoice of FY 2022 were received and are scheduled to be paid in February.</p>

Fiscal Year-to-Date
As of January 31, 2022

Cash Investments (\$ in millions)

Cash Balances

Rate Stabilization Fund Balance	\$46.14
DC Insurance Reserve Balance	1.00

Operating Reserve Accounts	
Renewal & Replacement Balance	35.00
O & M Reserve per Indenture	55.47
250 Days of Cash O&M Reserve	145.13
250 Days of Cash O&M Reserve Target FY2022	235.60
Excess Above 250 Days of Cash O&M Reserve	13.69
Operating Cash Balance	249.29

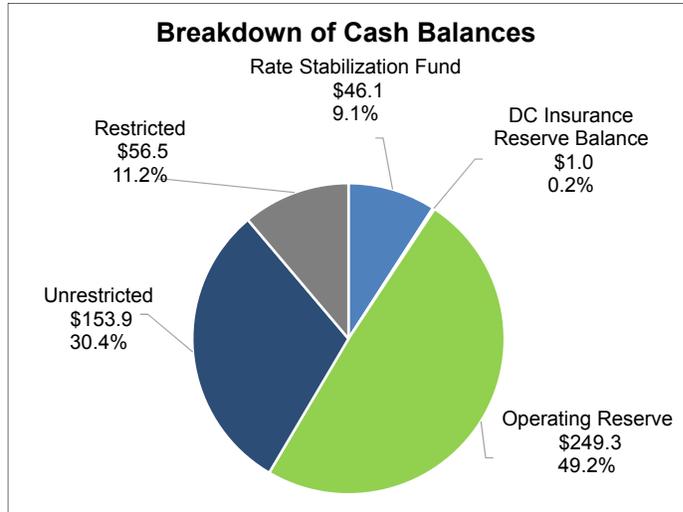
Operating Cash Balance Including RSF	296.43
---	---------------

Additional Reserve Accounts	
Unrestricted	
DC Water - FY2022 CSO Funding	3.09
Bond Fund - Construction 2019A	50.66
Bond Fund - Construction 2019C	100.16
Unrestricted Total	153.91

Restricted	
Debt Service Reserve - Series 1998	15.56
DC Water - CARES Residential Relief Fund	1.11
DC Water - CARES Multi-Family Relief Fund	4.23
DC Water - CARES FY2022 Targeted Assistance	5.00
DC Water - DDOT Projects	4.30
District Funds	15.89
DOEE - CRIAC Res + Emergency Res Relief	0.10
DOEE - CRIAC Non-Profit Relief	0.35
DOEE - Lead Pipe Replacement (LPRAP)	1.50
DOEE - Lead Service Line Replacement (ERW)	8.50
Restricted Total	56.53

Total All Funds	\$506.87
------------------------	-----------------

Breakdown of Cash Balances



Overall Portfolio Performance

- The operating reserve balance was \$249.3 million as compared to the revised operating reserve management target level of \$235.6 million for FY 2022
- Average cash balance for the month of January was \$240.1 million
- Total investment portfolio was in compliance with the Authority's Investment Policy
- Operating funds interest income for January (on a cash basis) was \$141,862; YTD \$566,346
- A detailed investment performance report is attached

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

FY 2022 Cash Flow Summary (\$000's)

	Annual Budget Cash Basis	YTD Cash Budget	YTD Actual Cash Oct. 1, 2021 - Jan. 31, 2022	Variance Favorable (Unfavorable)	
OPERATING BUDGET					
Cash Provided					
Retail	\$599,193	\$214,569	\$224,289	\$9,720	5%
Wholesale	84,669	\$21,167	21,243	76	0%
Other	114,038	\$61,854	64,629	2,775	4%
Total Cash Provided	797,900	297,590	310,161	12,571	4%
Operating Cash Used					
Personnel Services	155,267	49,811	48,139	1,672	3%
Contractual Services	88,504	30,899	30,311	588	2%
Chemicals & Supplies	34,202	11,102	12,824	(1,722)	-16%
Utilities	27,329	8,939	4,403	4,536	51%
Water Purchases	35,217	10,513	11,588	(1,075)	-10%
Small Equipment	1,108	246	153	93	38%
Total Operating Cash Used	341,627	111,510	107,417	4,093	4%
Defeasance D.S./Cash Financed Capital Construction	37,830	12,610	0	12,610	100%
Other Cash Used					
Debt Service	231,164	73,881	65,669	8,212	11%
Payment In Lieu of Taxes/Right of Way	22,718	7,573	5,679	1,894	25%
Total Other Cash Used	253,882	81,454	71,349	10,105	12%
Total Cash Used	633,339	205,574	178,766	26,808	13%
Net Cash Provided (Used) by Operating Act.	164,561	54,854	131,395	76,541	
CAPITAL BUDGET					
Cash Provided					
Debt Proceeds	319,755	106,585	5,803	(100,782)	-95%
Cash Financed Capital Improvements	0				0%
System Availability Fee	7,700	2,567		(2,567)	-100%
EPA Grants	31,311	10,437	4,102	(6,335)	-61%
CSO Grants					0%
Interest Income	2,623	874	28	(846)	-97%
Wholesale Capital Contributions	83,640	27,880	15,145	(12,735)	-46%
Total Cash Provided	445,029	148,343	25,079	(123,264)	-83%
Cash Used					
DC Water Capital Program	550,631	194,198	98,669	95,528	49%
Washington Aqueduct Projects	16,875	4,835		4,835	0%
Total Cash Used	567,507	199,033	98,669	100,363	50%
Net Cash/PAYGO Provided (Used) by Cap. Act.	(\$122,478)	(\$40,826)	(\$73,590)	(\$32,764)	
Beginning Balance, October 1 (Net of Rate Stab. Fund) Projected					
Plus (Less) Operating Surplus	\$196,286		\$196,286		
Wholesale Customer Refunds from Prior Years	164,561	54,854	131,395		
Interest Earned From Bond Reserve	(3,342)	(1,114)	(5,063)		
Transfer to Rate Stabilization Fund	85	28	14		
Transfer to CAP Fund					
Transfer from CAP Fund					
Transfer from SAF					
Prior Year Federal Billing Reconciliation	488	163	244		
Project Billing Refunds					
Cash Used for Capital	(122,478)	(40,826)	(73,590)		
Balance Attributable to O&M Reserve	\$235,600		\$249,285		
OTHER CASH RESERVES					
Rate Stabilization Fund	Current				
DC Insurance Reserve	\$46,144				
Unrestricted Reserves	1,000				
Restricted Reserves	153,910				
	56,531				

APPENDIX

Operating Revenues Detail	9
Retail Accounts Receivable.....	10
Overtime Spending.....	11
Capital Disbursements Detail	12
Investment Report.....	13

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

Operating Revenues Detail

(\$ in millions)

Revenue Category	FY 2022 Budget	YTD Budget	Actual	Variance		Actual % of Budget
				Favorable / (Unfavorable)		
Residential, Commercial, and Multi-family	\$422.8	\$140.9	\$153.8	\$12.8	9.1%	36.4%
Federal	81.3	40.7	36.8	(3.9)	-9.6%	45.2%
District Government	18.7	6.2	7.0	0.8	13.2%	37.7%
DC Housing Authority	12.6	4.2	4.3	0.2	3.6%	34.5%
Customer Metering Fee	24.1	8.3	7.3	(1.0)	-11.7%	30.4%
Water System Replacement Fee (WSRF)	39.7	14.3	15.0	0.8	5.5%	37.9%
Wholesale	84.7	21.2	21.2	0.1	0.4%	25.1%
Right-of-Way Fee/PILOT	21.6	7.7	8.0	0.3	4.1%	37.0%
Subtotal (before Other Revenues)	\$705.5	\$243.4	\$253.5	\$10.1	4.1%	35.9%
IMA Indirect Cost Reimb. For Capital Projects	5.1	1.7	1.2	(0.5)	-29.4%	23.5%
DC Fire Protection Fee	10.8	2.7	2.9	0.2	7.4%	26.9%
Stormwater (MS4)	1.0	0.3	0.3	0.0	0.0%	30.0%
Interest	3.4	1.1	0.6	(0.5)	-45.5%	17.6%
Developer Fees (Water & Sewer)	6.0	2.0	3.8	1.8	90.0%	63.3%
System Availability Fee (SAF)	7.7	2.6	2.9	0.3	11.5%	37.7%
Others	6.4	2.1	3.4	1.3	61.9%	53.1%
Subtotal	\$40.4	\$12.6	\$15.1	\$2.5	19.8%	37.2%
Rate Stabilization Fund Transfer	\$52.1	\$41.6	\$41.6	\$0.0	0.0%	79.8%
Other Revenue Subtotal	\$92.5	\$54.2	\$56.7	\$2.5	4.6%	61.2%
Grand Total	\$798.0	\$297.6	\$310.2	\$12.6	4.2%	38.9%

BREAKDOWN OF RETAIL RECEIPTS BY CUSTOMER CATEGORY
(\$ in 000's)

Customer Category	Water	Sewer	Clean Rivers			WSRF	Total
			IAC	Metering Fee			
Residential	\$13,432	\$21,186	\$8,587	\$3,087	\$3,109	\$49,400	
Commercial	24,927	28,222	10,778	2,140	5,630	71,696	
Multi-family	16,826	25,880	3,921	976	2,503	50,106	
Federal	12,730	14,471	9,581	801	3,014	40,597	
District Govt	1,882	2,546	2,614	245	639	7,927	
DC Housing Authority	1,609	2,384	356	75	138	4,562	
Total:	\$71,405	\$94,688	\$35,837	\$7,325	\$15,034	\$224,289	

Note: The breakdown of Collections into Residential, Commercial, & Multi-family and Water and Sewer is approximate as it is based on percentages of historical data and does not take into account adjustments and timing differences

Clean Rivers IAC - Actual vs Budget
(\$ in 000's)

Customer Category	FY 2022 Budget	Year-To-Date Budget	Actual Received	Variance		Actual % of Budget
				Favorable / <Unfavorable>	Variance % of YTD Budget	
Residential	\$23,608	\$7,869	\$8,587	\$718	9%	36%
Commercial	27,191	9,064	10,778	1,714	19%	40%
Multi-family	10,847	3,616	3,921	305	8%	36%
Federal	19,239	9,620	9,581	-38	0%	50%
District Govt	7,224	2,408	2,614	206	9%	36%
DC Housing Authority	1,070	357	356	-1	0%	33%
Total:	\$89,179	\$32,933	\$35,837	\$2,904	9%	40%

Monthly Financial Report

Fiscal Year-to-Date
As of January 31, 2022

Retail Accounts Receivable (Delinquent Accounts)

The following tables show retail accounts receivable over 90 days (from the billing date) including a breakdown by customer class.

Greater Than 90 Days by Month

	\$ in millions	# of accounts
September 30, 2012	\$5.5	13,063
September 30, 2013	\$4.9	11,920
September 30, 2014	\$5.3	12,442
September 30, 2015	\$6.5	11,981
September 30, 2016	\$7.7	12,406
September 30, 2017	\$8.4	11,526
September 30, 2018	\$13.4	16,273
September 30, 2019	\$10.6	8,744
September 30, 2020	\$17.9	13,775
September 30, 2021	\$26.3	13,065
October 31, 2021	\$27.1	13,054
November 30, 2021	\$27.2	12,823
December 31, 2021	\$27.6	13,942
January 31, 2022	\$28.0	13,501

Notes: The increase in the accounts receivable over 90 days (from the billing date) is due to the temporary suspension of collections procedures because of the new billing system VertexOne, which was implemented in December 2017. The increase in accounts receivable from March 2020 to January 2022 is primarily due to increased delinquencies and deferred payments due to the impact of COVID-19.

Greater Than 90 Days by Customer

	Number of Accounts			Month of Jan (All Categories)				Total Delinquent				
	W & S	Impervious Only	Total No. of	Active		Inactive		Dec		Jan		
				No. of	Amount	No. of	Amount	No. of	Amount	No. of	Amount	%
a/c	a/c	a/c	a/c	(\$)	a/c	(\$)	a/c	(\$)	a/c	(\$)	%	
Commercial	9,125	2,193	11,318	1,344	6,022,668	43	\$130,032	1,371	\$6,008,554	1,387	\$6,152,700	22%
Multi-family	8,498	354	8,852	1,144	10,948,248	17	\$95,107	1,161	\$10,736,016	1,161	\$11,043,355	39%
Single-Family Residential	106,866	2,160	109,026	10,804	10,703,105	149	\$142,588	11,410	\$10,817,034	10,953	\$10,845,693	39%
Total	124,489	4,707	129,196	13,292	\$27,674,021	209	\$367,727	13,942	\$27,561,604	13,501	\$28,041,749	100%

Notes: Included in the above \$28.0 million (or 13,501 accounts) of the DC Water over 90 days delinquent accounts, \$4,476,267.86 (or 1,448 accounts) represents Impervious only accounts over 90 days delinquent.

- Reportable delinquencies do not include balances associated with a long-standing dispute between DC Water and a large commercial customer.
- Delinquent accounts (13,501) as a percentage of total accounts (129,196) is 10.5 percent.

Fiscal Year-to-Date
As of January 31, 2022

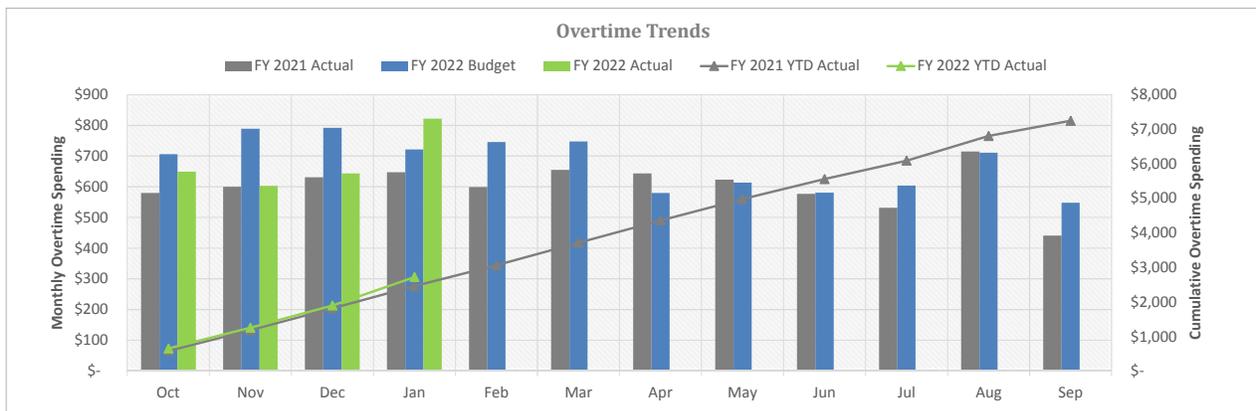
Overtime by Department

Department	FY 2022			
	Budget	Actual	YTD Actual % of Budget	% of Regular Pay
Administrative Office	\$0	\$0	0.0%	0.0%
Board	0	0	0.0%	0.0%
CIP Infrastructure	0	129	0.0%	0.0%
Clean Rivers	0	0	0.0%	0.0%
Customer Service	462,000	95,354	20.6%	3.0%
Engineering	938,000	241,857	25.8%	10.1%
Facilities	250,000	84,162	33.7%	6.0%
Finance*	40,000	40,659	101.6%	1.7%
Fleet**	5,000	2,392	47.8%	0.7%
Information Technology ***	10,000	14,870	148.7%	1.1%
Legal Affairs	3,000	283	9.4%	0.0%
Marketing & Communications	0	932	0.0%	0.2%
Maintenance	630,000	237,631	37.7%	8.3%
Occupational Safety	0	0	0.0%	0.0%
Office of OCEO	0	0	0.0%	0.0%
Office of the OCOO	0	0	0.0%	0.0%
Office of Emergency Mgmt	5,000	0	0.0%	0.0%
People & Talent	5,000	0	0.0%	0.0%
Permit Operations	45,000	15,521	34.5%	1.9%
Process Engineering	50,000	4,641	9.3%	0.5%
Procurement & Compliance	30,000	13,817	46.1%	0.8%
Pumping & Sewer	2,068,000	673,359	32.6%	13.6%
Security	1,000	0	0.0%	0.0%
Strategy & Performance	0	0	0.0%	0.0%
Wastewater Engineering	25,000	4,158	16.6%	1.1%
Wastewater Treatment Ops	1,796,000	577,298	32.1%	13.7%
Water	1,780,000	710,828	39.9%	14.5%
Total DC WATER	\$8,143,000	\$2,717,891	33.4%	7.2%

* Finance - Overtime used to cover tasks associated with year-end close-out process

** Fleet - Contract requires more administration; limited resources

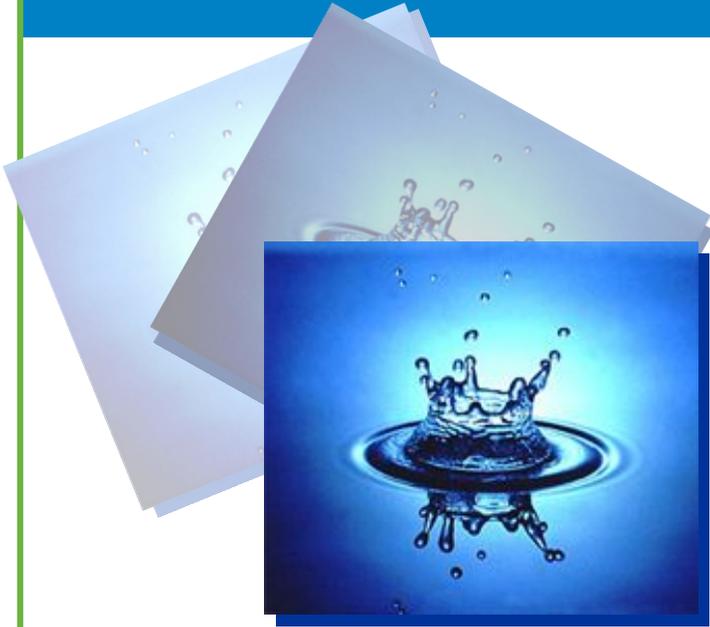
*** Information Technology - Increased overtime associated with the Telephone Replacement project



Fiscal Year-to-Date
As of January 31, 2022

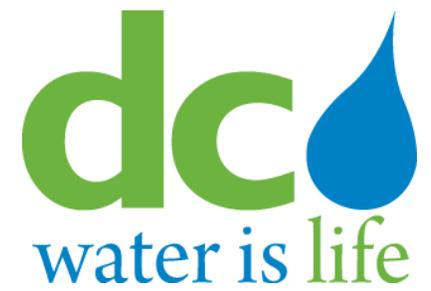
Capital Disbursements Detail by Program (\$000's)

Service Areas	Budget					Variance		
	REVISED BUDGET	YTD BUDGET	Oct 2021 - Dec 2021	Jan 2022	YTD	ACTUAL % BUDGET	VARIANCE \$ Fav/(Unfav)	VARIANCE % Fav/(Unfav)
NON PROCESS FACILITIES								
Facility Land Use	\$31,439	\$15,489	\$5,132	\$1,209	\$6,341	20.2%	\$9,148	59.1%
Subtotal	31,439	15,489	5,132	1,209	6,341	20.2%	9,148	59.1%
WASTEWATER TREATMENT								
Liquids Processing	38,446	13,143	8,755	\$1,150	9,905	25.8%	3,238	24.6%
Plantwide	16,672	7,788	2,372	\$97	2,469	14.8%	5,318	68.3%
Solids Processing	22,422	9,678	8,161	\$2,074	10,235	45.6%	-557	-5.8%
Enhanced Nitrogen Removal Facilities	8,439	7,798	390	\$47	437	5.2%	7,360	94.4%
Subtotal	85,979	38,406	19,678	\$3,369	23,047	26.8%	15,359	40.0%
COMBINED SEWER OVERFLOW								
D.C. Clean Rivers	147,347	46,022	28,086	8,057	36,144	24.5%	9,878	21.5%
Program Management	-	-	0	0	0	0.0%	0	0.0%
Combined Sewer	4,919	2,567	77	214	291	5.9%	2,276	88.7%
Subtotal	152,267	48,589	28,164	8,271	36,435	23.9%	12,154	25.0%
STORMWATER								
Local Drainage	22	-	0	1	1	0.0%	-1	0.0%
On-Going	1,572	507	221	10	231	14.7%	277	54.5%
Pumping Facilities	5,230	1,790	224	107	331	6.3%	1,459	81.5%
Research and Program Management	23	8	109	2	111	476.6%	-103	-1309.5%
Trunk/Force Sewers	182	45	33	0	33	18.1%	12	25.9%
Subtotal	7,029	2,349	586	120	707	10.1%	1,643	69.9%
SANITARY SEWER								
Collection Sewers	1,948	928	279	0	279	14.3%	649	69.9%
On-Going	15,617	4,828	2,844	203	3,047	19.5%	1,781	36.9%
Pumping Facilities	2,496	719	62	63	125	5.0%	594	82.7%
Program Management	8,472	2,961	1,370	200	1,570	18.5%	1,391	47.0%
Interceptor/Trunk Force Sewers	39,553	12,615	4,082	276	4,358	11.0%	8,257	65.5%
Subtotal	68,086	22,051	8,637	742	9,379	13.8%	12,672	57.5%
WATER								
Distribution Systems	81,346	30,740	5,906	4,028	9,934	12.2%	20,806	67.7%
Lead Program	56,986	14,436	2,388	662	3,050	5.4%	11,386	78.9%
On-Going	14,916	4,407	2,586	1,097	3,683	24.7%	724	16.4%
Pumping Facilities	3,582	1,266	77	74	150	4.2%	1,115	88.1%
DDOT	931	752	3	11	14	1.5%	739	98.2%
Storage Facilities	2,645	2,080	780	241	1,021	38.6%	1,059	50.9%
Program Management	4,908	1,654	671	1	672	13.7%	982	59.4%
Subtotal	165,313	55,335	12,409	6,115	18,524	11.2%	36,810	66.5%
Capital Projects	510,112	182,219	74,606	19,826	94,433	18.5%	87,786	48.2%
CAPITAL EQUIPMENT								
WASHINGTON AQUEDUCT	40,519	11,978	3,035	1,201	4,236	10.5%	7,742	64.6%
	16,875	4,835	0	0	0	0.0%	4,835	-
Additional Capital Programs	57,394	16,813	3,035	1,201	4,236	7.4%	12,577	74.8%
Total	\$567,507	\$199,033	\$77,641	\$21,028	\$98,669	17.4%	\$100,364	50.4%



DC Water

Investment Performance Report – January 2022





**DC Water
Finance Division
Economic Update**

ECONOMIC COMMENTARY

- In the advance estimate, fourth quarter 2021 GDP expanded by 6.9%, beating expectations of 5.5%, despite the Omicron spread. The full year expansion clocked in at 5.7% growth, the highest annualized change in GDP since the 1980s. Services spending drove the 3.3% increase in personal spending and inventory investment was the biggest contributor to the increase in real GDP.
- The FOMC held a two-day policy meeting for the first time in 2022 during the last week of January. At which, Federal Reserve Chair Jerome Powell set the stage for the bank to begin a cycle of interest-rate hikes in March. In light of strengthening labor market and elevated inflation pressures, the Fed 's decision to speed up tapering implies that their bond purchases would end in March, several months sooner than previously expected. The market is keenly focused on the timing and pace of potential Fed rate hikes. The median projection for the appropriate level of the federal funds rate now shows three rate hikes occurring during 2022.
- Inflation remained in the spotlight. The consumer price index rose 7.0% year-over-year (YOY) in December, a nearly 40-year high. Excluding food and surging energy prices, the Core CPI rose 5.5% on an annual basis. Other measures of inflation also ran hot – the PPI rose 9.7% YOY in December, export prices were up 14.7% through December, and the Core PCE was up 4.9% YOY compared to the Federal Reserve's (Fed) 2% average target.
- According to the Bureau of Labor and Statistics, the number of jobs in the U.S. labor market grew by 467,000 in January, improving from a 199,000 increase in December. Meanwhile, unemployment rate slightly moved up to 4% from 3.9% in the previous month. Employment growth continued to occur within leisure and hospitality sector as a result of pandemic recovery.

PORTFOLIO RECAP

- The portfolio is diversified among Bank Deposits, U.S. Treasuries, Federal Agencies, Mortgage-Backed Securities, Commercial Paper, Supranational Bonds, Negotiable CDs, Corporate Notes/Bonds, Municipal Bonds, FDIC Insured CDs, Bank Notes and SEC registered money market funds.
- The overall yield-to-maturity on cost of the portfolio is 0.20%.

Operating Reserve

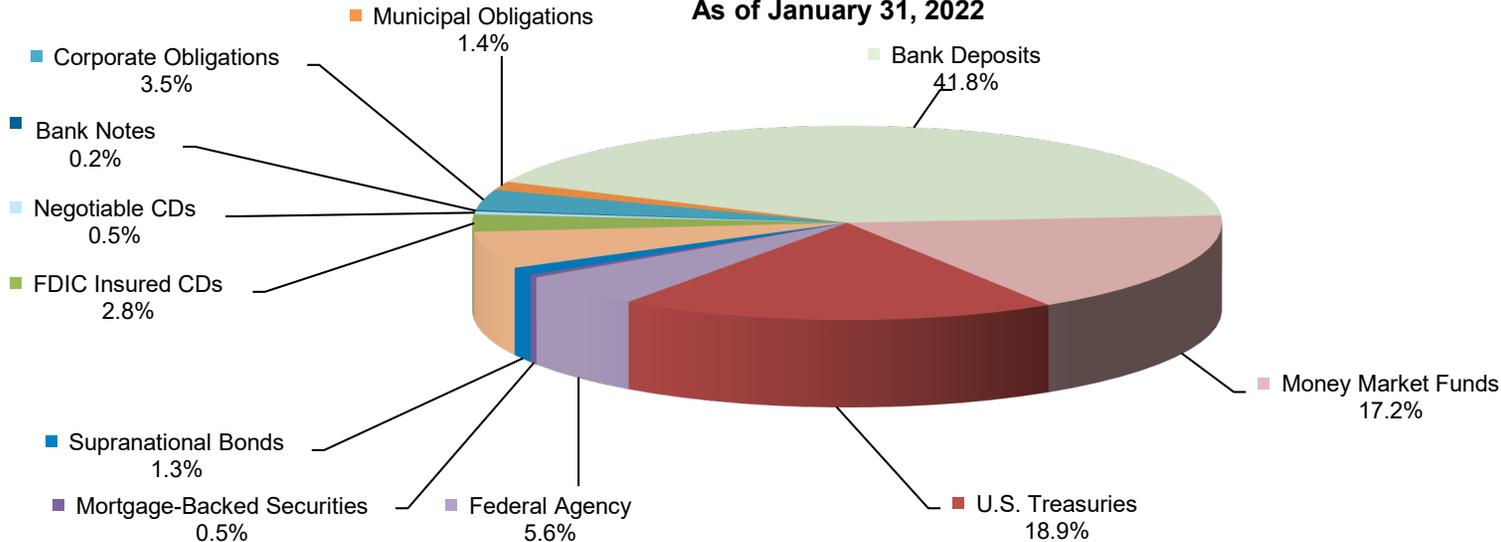
- The investment advisor (PFMAM) purchased a combined \$2.8 million in U.S. Treasury notes during the month of January.
- Value was found in \$2.6 million in corporate notes from various issuers.
- The Authority continued to roll over two CDARs, totaling \$5.5 million upon their maturities.

2019C Construction Fund

- A total of \$34.7 million was added in commercial paper securities from various issuers.
- PFMAM also bought \$20 million of U.S. Treasury notes.



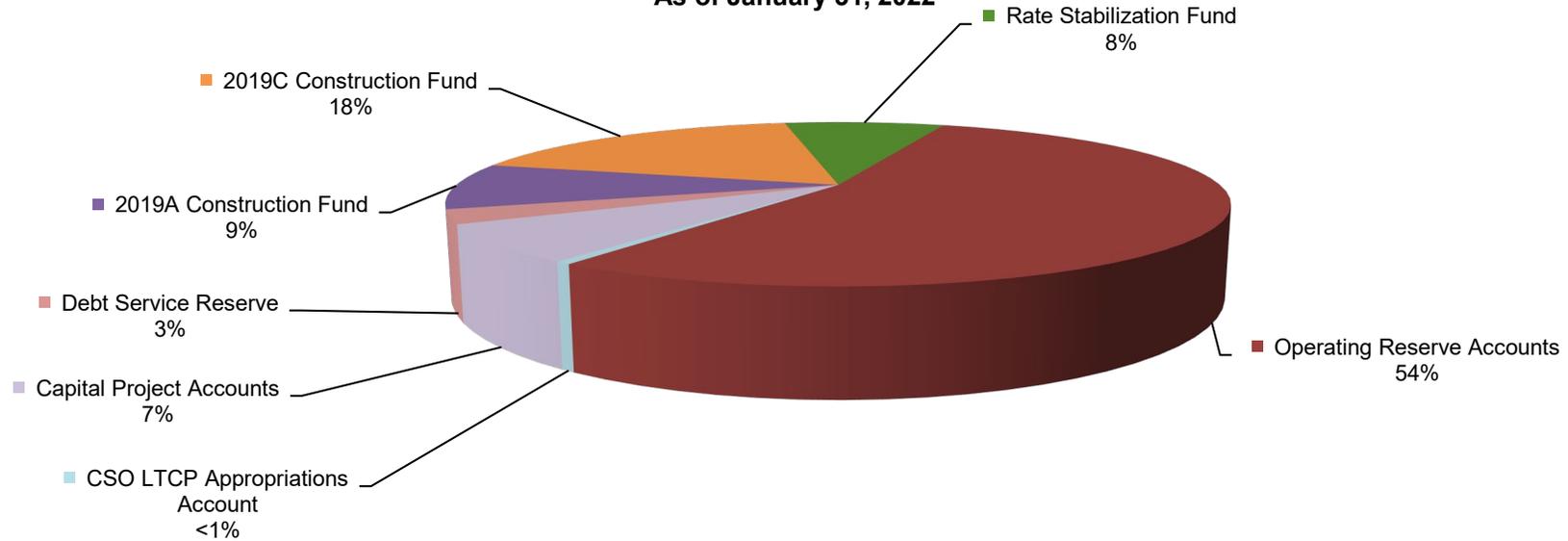
**DC Water
Finance Division
Investments - By Security Type
As of January 31, 2022**



Security Type	Book Value + Accrued Interest	Asset Allocation	Permitted By Policy
Bank Deposits	234,184,469	41.8%	100.0%
Money Market Funds	96,336,779	17.2%	100.0%
U.S. Treasuries	105,678,775	18.9%	100.0%
Federal Agency	31,548,538	5.6%	80.0%
Mortgage-Backed Securities	2,590,181	0.5%	30.0%
Supranational Bonds	7,486,491	1.3%	30.0%
Commercial Paper	34,681,610	6.2%	35.0%
FDIC Insured CDs	15,928,723	2.9%	30.0%
Negotiable CDs	2,923,759	0.5%	30.0%
Bank Notes	918,656	0.2%	40.0%
Corporate Obligations	19,367,508	3.5%	30.0%
Municipal Obligations	7,976,426	1.4%	20.0%
Total	\$ 559,621,916	100.0%	



**DC Water
Finance Division
Investment Analysis – By Fund
As of January 31, 2022**

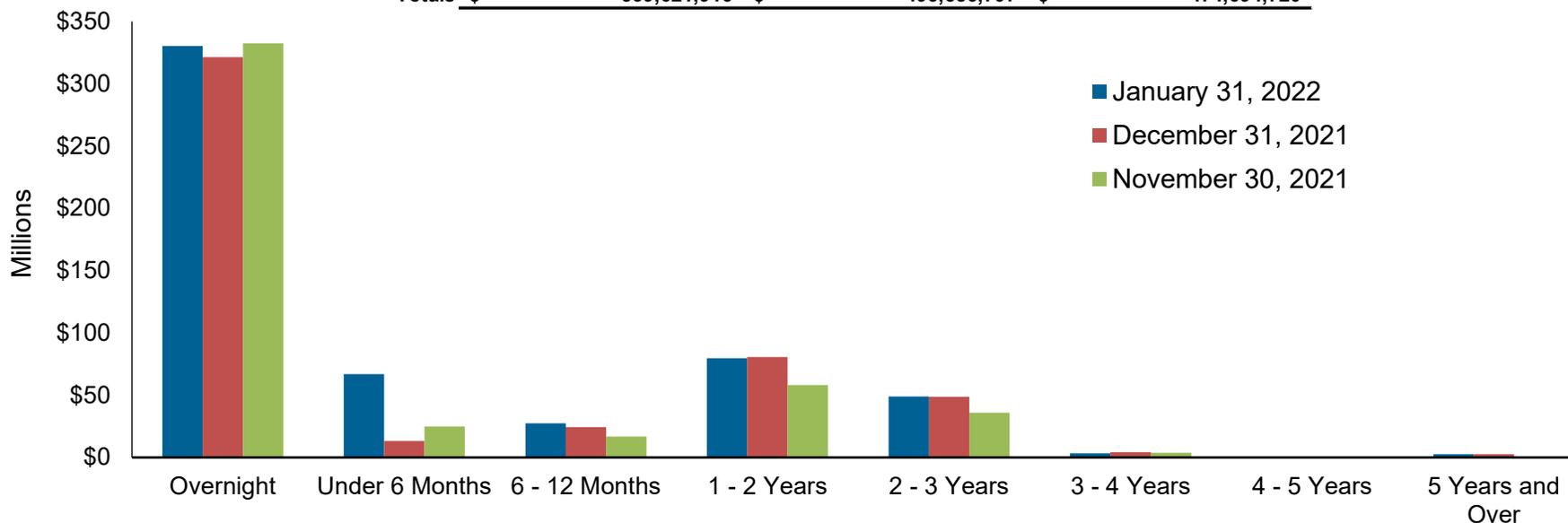


Fund Name	Book Value + Accrued Interest	Yield-to- Maturity at Cost	Effective Duration (years)	Weighted Average Maturity (days)
Rate Stabilization Fund	\$ 46,143,912	0.00%	0.00	1.0
Operating Reserve Accounts	\$ 303,021,713	0.31%	0.86	345.2
CSO LTCP Appropriations Account	\$ 3,092,210	0.00%	0.00	1.0
Capital Project Accounts	\$ 40,971,557	0.00%	0.00	1.0
Debt Service Reserve	\$ 15,565,915	0.35%	1.26	459.5
2019A Construction Fund	\$ 50,661,375	0.01%	0.00	1.0
2019C Construction Fund	\$ 100,165,234	0.13%	0.13	45.9
Total	\$ 559,621,916	0.20%	0.52	208.2



**DC Water
Finance Division
Investment Analysis – By Maturity**

Maturity Distribution	January 31, 2022	December 31, 2021	November 30, 2021
Overnight \$	330,521,248.45	\$321,587,689.89	\$332,481,016.17
Under 6 Months	67,006,884.38	13,323,686.20	24,850,304.89
6 - 12 Months	27,549,396.12	24,350,148.58	16,853,692.02
1 - 2 Years	79,750,361.07	80,693,892.84	58,171,706.39
2 - 3 Years	48,920,857.39	48,718,464.63	35,854,176.02
3 - 4 Years	3,282,987.46	4,260,244.18	3,740,665.47
4 - 5 Years	-	-	-
5 Years and Over	2,590,181.23	2,652,670.33	2,743,159.37
Totals \$	559,621,916	495,586,797	474,694,720





**DC Water
Finance Division
Investments – Issuer Allocation**

	Credit Ratings		Investment Policy	
	S&P / Moody's	Book Value	Limit	
Bank Deposits				
TD Bank		234,184,469.45	41.8%	100.0%
Sub-Total Bank Deposits		234,184,469.45	41.8%	100.0%
Money Market Mutual Funds				
Allspring Treasury Plus MMF	AAAm	37,916.58	0.0%	50.0%
Allspring Government MMF	AAAm	155,271.24	0.0%	50.0%
Allspring 100% Treasury MMF	AAAm	96,143,591.18	17.2%	50.0%
Sub-Total Money Market Mutual Funds		96,336,779.00	17.2%	100.0%
U.S. Treasuries				
Treasury Note	AA+ / Aaa	105,678,775.16	18.9%	100.0%
Sub-Total Treasuries		105,678,775.16	18.9%	100.0%
Federal Agencies				
Fannie Mae	AA+ / Aaa	13,282,472.13	2.4%	40.0%
Federal Home Loan Bank	AA+ / Aaa	1,332,449.03	0.2%	40.0%
Freddie Mac	AA+ / Aaa	16,933,616.56	3.0%	40.0%
Sub-Total Federal Agencies		31,548,537.72	5.6%	80.0%
Mortgage-Backed Securities				
Fannie Mae	AA+ / Aaa	1,795,629.69	0.3%	5.0%
Freddie Mac	AA+ / Aaa	794,551.54	0.1%	5.0%
Sub-Total Mortgage-Backed Securities		2,590,181.23	0.5%	30.0%
Supranational Bonds				
African Development Bank	AAA / Aaa	801,534.06	0.1%	5.0%
Asian Development Bank	AAA / Aaa	2,914,409.21	0.5%	5.0%
Inter-American Development Bank	AAA / Aaa	1,997,075.21	0.4%	5.0%
International Bank for Reconstruction and Development	AAA / Aaa	1,773,472.04	0.3%	5.0%
Sub-Total Supranational Bonds		7,486,490.52	1.3%	30.0%

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.

Effective October 11, 2021, Wells Fargo Funds rebranded as Allspring Funds.



**DC Water
Finance Division
Investments – Issuer Allocation (Continued)**

	Credit Ratings			Investment Policy
	S&P / Moody's	Book Value		Limit
Commercial Paper				
Bank of Montreal	A-1 / P-1	4,997,783.34	0.9%	5.0%
Barton Capital SA	A-1 / P-1	2,998,735.00	0.5%	5.0%
BNP Paribas	A-1 / P-1	2,998,016.67	0.5%	5.0%
LMA Americas LLC (Credit Agricole SA)	A-1 / P-1	2,997,360.00	0.5%	5.0%
Macquarie Group Ltd	A-1 / P-1	2,998,526.04	0.5%	5.0%
MUFG Bank	A-1 / P-1	2,999,453.33	0.5%	5.0%
Natixis	A-1 / P-1	2,998,016.67	0.5%	5.0%
Toronto Dominion Bank	A-1+ / P-1	4,995,208.33	0.9%	5.0%
Sheffield Recievables	A-1 / P-1	2,999,550.00	0.5%	5.0%
Skandinav Enskilda Bank	A-1 / P-1	2,699,115.00	0.5%	5.0%
Sumitomo Mitsui Financial Group Inc	A-1 / P-1	999,845.84	0.2%	5.0%
Sub-Total Commercial Paper		34,681,610.22	6.2%	35.0%
FDIC Insured Certificates of Deposit				
CDARS - Placed by Industrial Bank	NR	15,928,722.95	2.8%	5.0%
Sub-Total FDIC-Insured Certificates of Deposit		15,928,722.95	2.8%	30.0%
Negotiable Certificates of Deposit				
Nordea Bank AB NY	A-1+ / P-1	1,461,847.71	0.3%	5.0%
Skandinaviska Enskilda Bank	A-1 / P-1	1,461,911.75	0.3%	5.0%
Sub-Total Negotiable Certificates of Deposit		2,923,759.46	0.5%	30.0%
Corporate Obligations				
Alphabet	AA+ / Aa2	533,314.89	0.1%	5.0%
Amazon	AA / A1	1,404,907.71	0.3%	5.0%
Apple	AA+ / Aaa	320,164.50	0.1%	5.0%
Bank of America	A- / A2	749,964.24	0.1%	5.0%
Bank of Montreal	A- / A2	385,100.80	0.1%	5.0%
Bank of New York Mellon	A / A1	835,110.56	0.1%	5.0%
Bank of Nova Scotia Houston	A- / A2	1,090,980.31	0.2%	5.0%
Berkshire Hathaway Inc.	AA / Aa2	513,059.51	0.1%	5.0%

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.



**DC Water
Finance Division
Investments – Issuer Allocation (Continued)**

	Credit Ratings		Investment Policy	
	S&P / Moody's	Book Value		Limit
Corporate Obligations				
Canadian Imperial Bank NY	BBB+ / A2	1,000,335.60	0.2%	5.0%
Chevron	AA- / Aa2	486,649.46	0.1%	5.0%
JP Morgan	A- / A2	1,277,635.37	0.2%	5.0%
Microsoft Corp	AAA / Aaa	504,742.76	0.1%	5.0%
National Australia Bank	AA- / Aa3	1,075,787.50	0.2%	5.0%
Nestle Holdings Inc	AA- / Aa3	1,092,513.72	0.2%	5.0%
Nordea Bank AB	A-1+ / P-1	375,401.59	0.1%	5.0%
Rabobank Nederland	A+ / Aa2	748,291.23	0.1%	5.0%
Royal Bank of Canada	A / A1	1,190,864.20	0.2%	5.0%
Skandinaviska Enskilda	A-1 / P-1	440,585.97	0.1%	5.0%
State Street Corporation	A / A1	519,192.77	0.1%	5.0%
Svenska Handelsbanken AB	AA- / Aa2	425,067.57	0.1%	5.0%
Swedbank AB	A+ / Aa3	501,361.27	0.1%	5.0%
Toronto Dominion Bank NY	A / A1	1,001,305.24	0.2%	5.0%
UBS AG London	A+ / Aa3	1,659,808.49	0.3%	5.0%
US Bank Cincinnati	AA- / A1	493,833.92	0.1%	5.0%
Westpac Banking	AA- / Aa3	741,529.07	0.1%	5.0%
Sub-Total Corporate Obligations		19,367,508.25	3.5%	30.0%
Bank Notes				
Citibank	A+ / Aa3	444,394.78	0.1%	5.0%
US Bank Cincinnati	AA- / A1	474,261.10	0.1%	5.0%
Sub-Total Bank Notes		918,655.88	0.2%	30.0%
Municipal Obligations				
Avondale School District, Michigan	NR / Aa1	933,778.75	0.2%	5.0%
Florida State Board of Administration	AA / Aa3	245,256.84	0.0%	5.0%
Honolulu, Hawaii	NR / Aa1	393,391.05	0.1%	5.0%
Louisiana State	AA- / Aa3	480,520.00	0.1%	5.0%

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.



**DC Water
Finance Division
Investments – Issuer Allocation (Continued)**

	Credit Ratings		Investment Policy	
	S&P / Moody's	Book Value		Limit
Municipal Obligations				
Maryland State	AAA / Aaa	501,025.00	0.1%	5.0%
Mississippi State	AA / Aa2	375,395.63	0.1%	5.0%
New York City, New York	AA / Aa2	807,641.33	0.1%	5.0%
New York State Urban Development	AA+ / NR	2,513,650.08	0.4%	5.0%
NYC Transitional Finance Authority	AAA / Aa1	930,827.50	0.2%	5.0%
Oklahoma State Turnpike Authority	AA- / Aa3	355,237.85	0.1%	5.0%
San Jose, California	AA+ / Aa1	439,702.23	0.1%	5.0%
Sub-Total Municipal Obligations		7,976,426.26	1.4%	20.0%
Grand Total		\$ 559,621,916.10	100.0%	

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.



DC Water
Finance Division
Certificate of Compliance

During the reporting period for the month ended January 31, 2022, the account(s) managed by PFM Asset Management (“PFMAM”) were in compliance with the applicable investment policy and guidelines as furnished to PFMAM.

Acknowledged: *PFM Asset Management LLC*

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.



**DC Water
Finance Division
Book Value Performance
As of January 31, 2022**

	Trailing 1 Month		Trailing 3 Months		Trailing 6 Months		Trailing 12 Months	Trailing 24 Months
	Periodic	Annualized	Periodic	Annualized	Periodic	Annualized		
Rate Stabilization Fund	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.27%
Operating Reserve Accounts	0.06%	0.75%	0.21%	0.82%	0.51%	1.01%	1.46%	2.11%
Debt Service Reserve	0.03%	0.35%	0.09%	0.35%	0.16%	0.32%	0.32%	1.25%
2019A Construction Fund	0.002%	0.02%	0.00%	0.01%	0.01%	0.01%	0.02%	n/a
2019C Construction Fund	0.01%	0.06%	0.01%	0.03%	0.02%	0.04%	0.09%	n/a
Short Term Consolidated Composite	0.01%	0.08%	0.02%	0.07%	0.04%	0.07%	0.09%	0.33%
ICE BoAML 3-Month Treasury Index (Book Value) ¹	0.02%	0.19%	0.02%	0.10%	0.04%	0.07%	0.05%	0.13%
Core (1+Years) Consolidated Composite	0.05%	0.58%	0.14%	0.56%	0.30%	0.59%	0.70%	1.28%
ICE BoAML 1-3 Year Treasury Index (Book Value) ²	0.09%	1.11%	0.20%	0.78%	0.28%	0.55%	0.37%	0.31%

- (1) The ICE Bank of America Merrill Lynch 3-Month Treasury Index is an unmanaged index tracking the on-the-run Treasury Bill. The Index is produced and maintained by Merrill Lynch & Co. Performance for this index is shown on a book value basis.
- (2) The ICE Bank of America Merrill Lynch 1-3 Year Treasury Index is an unmanaged index tracking a basket of U.S. Treasuries with 1 to 3 year maturities. The Index is produced and maintained by Merrill Lynch & Co. Performance for this index is shown on a book value basis.



**DC Water
Finance Division
Portfolio Holdings by Fund**

DESCRIPTION	CUSIP	PAR AMOUNT	COUPON RATE	MATURITY DATE	SETTLEMENT DATE	YTM AT COST	ORIGINAL COST	MARKET VALUE + ACCRUED INTEREST	AMORTIZED COST + ACCRUED INTEREST	TOTAL VALUE
Rate Stabilization Fund										
TD BANK BANK DEPOSIT		\$ 46,143,912		2/1/2022		0.00%	\$ 46,143,912	\$ 46,143,912	\$ 46,143,912	\$ 46,143,912.00
Operating Reserve Accounts										
TD BANK BANK DEPOSIT		\$ 142,976,790		2/1/2022		0.00%	\$ 142,976,790	\$ 142,976,790	\$ 142,976,790	
DC RESERVES TD BANK DEPOSIT		1,000,000		2/1/2022		0.00%	1,000,000	1,000,000	1,000,000	
ALLSPRING GOVERNMENT MMF		155,271		2/1/2022		0.01%	155,271	155,271	155,271	
NY ST DORM AUTH PITS TXBL REV BONDS	64990FU36	450,000	1.935	2/15/2022	1/14/2022	-0.27%	450,000	454,258	454,015	
NY ST DORM AUTH PITS TXBL REV BONDS	64990FT61	760,000	0.550	3/15/2022	1/14/2022	0.29%	760,000	761,252	761,579	
INDUSTRIAL BANK CDARS		5,182,767	0.100	4/7/2022	4/8/2021	0.10%	5,182,767	5,187,015	5,187,015	
AVONDALE SCH DIST, MI TXBL GO BONDS	054375VQ0	460,000	1.600	5/1/2022	2/25/2020	1.60%	460,000	463,119	461,840	
INDUSTRIAL BANK CDARS		2,751,170	0.030	7/14/2022	1/13/2022	0.03%	2,751,170	2,751,213	2,751,213	
INDUSTRIAL BANK CDARS		2,708,162	0.030	7/14/2022	1/13/2022	0.03%	2,708,162	2,708,204	2,708,204	
HONOLULU, HI TXBL GO BONDS	438687KR5	390,000	1.739	8/1/2022	8/21/2019	1.74%	390,000	395,396	393,391	
NORDEA BANK ABP NEW YORK CERT DEPOS	65558TLL7	1,450,000	1.850	8/26/2022	8/29/2019	1.84%	1,450,000	1,472,018	1,461,848	
SKANDINAV ENSKILDA BANK LT CD	83050PDR7	1,450,000	1.860	8/26/2022	9/3/2019	1.85%	1,450,000	1,472,163	1,461,912	
SAN JOSE, CA TXBL GO BONDS	798135H44	435,000	2.300	9/1/2022	7/25/2019	2.08%	437,854	443,236	439,702	
NYC, NY TXBL GO BONDS	64966QEE6	385,000	1.690	10/1/2022	10/22/2019	1.69%	385,000	389,298	387,169	
NYC, NY TXBL GO BONDS	64966QLD0	420,000	0.450	11/1/2022	9/9/2020	0.45%	420,000	419,061	420,473	
NYC TRANS FIN AUTH, NY TXBL REV BONDS	64971XHY7	925,000	2.520	11/1/2022	4/12/2019	2.52%	925,000	941,687	930,828	
INDUSTRIAL BANK CDARS		5,281,904	0.030	11/3/2022	11/4/2021	0.03%	5,281,904	5,282,291	5,282,291	
US TREASURY NOTES	91282CBD2	6,950,000	0.125	12/31/2022	12/6/2021	0.33%	6,934,797	6,910,589	6,937,787	
BANK OF NOVA SCOTIA	064159QD1	410,000	2.375	1/18/2023	7/18/2019	2.39%	409,807	415,672	410,299	
US TREASURY NOTES	912828P38	1,325,000	1.750	1/31/2023	1/6/2020	1.61%	1,330,383	1,337,072	1,326,812	
US TREASURY NOTES	91282CBG5	3,000,000	0.125	1/31/2023	2/3/2021	0.11%	3,000,703	2,979,385	3,000,362	
US TREASURY NOTES	912828Z86	625,000	1.375	2/15/2023	3/4/2020	0.78%	635,864	632,583	632,790	
FEDERAL HOME LOAN BANKS NOTES	3130AJ7E3	1,325,000	1.375	2/17/2023	2/21/2020	1.44%	1,322,562	1,341,313	1,332,449	
US TREASURY NOTES	91282CBN0	1,375,000	0.125	2/28/2023	1/24/2022	0.63%	1,367,373	1,365,204	1,368,257	
BERKSHIRE HATHAWAY FIN (CALLABLE) NOTES	084670BR8	500,000	2.750	3/15/2023	3/9/2020	1.16%	523,550	513,128	513,060	
NY ST URBAN DEV CORP TXBL REV BONDS	650036AR7	375,000	0.720	3/15/2023	6/25/2020	0.72%	375,000	374,494	376,020	
NY ST URBAN DEV CORP TXBL REV BONDS	650036DR4	225,000	0.480	3/15/2023	12/23/2020	0.48%	225,000	223,867	225,408	
US TREASURY NOTES	91282CBU4	3,500,000	0.125	3/31/2023	12/22/2021	0.48%	3,484,141	3,470,865	3,470,032	
AFRICAN DEVELOPMENT BANK SUPRANATL	008281BC0	800,000	0.750	4/3/2023	4/3/2020	0.80%	798,888	800,251	801,534	
FREDDIE MAC NOTES	3137EAEQ8	2,475,000	0.375	4/20/2023	4/20/2020	0.46%	2,468,813	2,461,739	2,475,101	
INTL BK OF RECON AND DEV NOTE	459058JV6	715,000	0.126	4/20/2023	4/20/2021	0.23%	713,520	708,266	714,355	
AVONDALE SCH DIST, MI TXBL GO BONDS	054375VR8	470,000	1.650	5/1/2023	2/25/2020	1.65%	470,000	474,693	471,939	
FREDDIE MAC NOTES	3137EAER6	1,865,000	0.375	5/5/2023	5/7/2020	0.39%	1,864,217	1,853,383	1,866,343	
FREDDIE MAC NOTES	3137EAER6	1,200,000	0.375	5/5/2023	6/4/2020	0.35%	1,200,960	1,192,525	1,201,488	
APPLE INC CORPORATE NOTES	037833DV9	320,000	0.750	5/11/2023	5/11/2020	0.84%	319,130	319,070	320,165	
FANNIE MAE NOTES	3135G04Q3	1,975,000	0.250	5/22/2023	5/22/2020	0.35%	1,969,055	1,957,638	1,973,368	
FANNIE MAE NOTES	3135G04Q3	1,125,000	0.250	5/22/2023	6/4/2020	0.36%	1,121,355	1,115,110	1,123,939	
INTER-AMERICAN DEVEL BK NOTES	4581X0DM7	505,000	0.500	5/24/2023	4/24/2020	0.51%	504,828	502,551	505,397	
UBS AG LONDON CORPORATE NOTES	902674YF1	555,000	0.375	6/1/2023	6/1/2021	0.43%	554,406	548,056	554,952	
AMAZON.COM INC CORPORATE NOTES	023135BP0	535,000	0.400	6/3/2023	6/3/2020	0.45%	534,251	530,712	535,012	
CHEVRON CORP	166764AH3	475,000	3.191	6/24/2023	2/27/2020	1.62%	499,097	487,588	486,649	
FREDDIE MAC NOTES	3137EAE54	1,820,000	0.250	6/26/2023	6/26/2020	0.35%	1,814,686	1,801,358	1,817,967	
FANNIE MAE NOTES	3135G05G4	1,915,000	0.250	7/10/2023	7/10/2020	0.32%	1,910,883	1,894,103	1,913,309	
FANNIE MAE NOTES	3135G05G4	750,000	0.250	7/10/2023	10/8/2020	0.26%	749,730	741,816	749,969	
ASIAN DEVELOPMENT BANK NOTES	045167EV1	1,000,000	0.250	7/14/2023	7/14/2020	0.31%	998,330	988,427	999,313	
US TREASURY NOTES	912828S92	519,000	1.250	7/31/2023	5/28/2021	0.16%	531,306	520,721	527,465	
US TREASURY N/B NOTES	91282CCN9	7,500,000	0.125	7/31/2023	12/6/2021	0.52%	7,450,781	7,399,245	7,455,467	
MD ST TXBL GO BONDS	574193TP3	500,000	0.410	8/1/2023	8/5/2020	0.41%	500,000	496,080	501,025	

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.

Effective October 11, 2021, Wells Fargo Funds rebranded as Allspring Funds.



**DC Water
Finance Division
Portfolio Holdings by Fund (Continued)**

DESCRIPTION	CUSIP	PAR AMOUNT	COUPON RATE	MATURITY DATE	SETTLEMENT DATE	YTM AT COST	ORIGINAL COST	MARKET VALUE + ACCRUED INTEREST	AMORTIZED COST + ACCRUED INTEREST	TOTAL VALUE
Operating Reserve Accounts										
FANNIE MAE NOTES (CALLABLE)	3135G05R0	1,525,000	0.300	8/10/2023	8/12/2020	0.36%	1,522,255	1,508,814	1,525,779	
FREDDIE MAC NOTES	3137EAEV7	1,810,000	0.250	8/24/2023	8/21/2020	0.28%	1,808,154	1,789,164	1,811,017	
US TREASURY N/B NOTES	91282CCU3	375,000	0.125	8/31/2023	9/27/2021	0.27%	373,945	369,750	374,335	
FREDDIE MAC NOTES	3137EAEW5	285,000	0.250	9/8/2023	9/4/2020	0.24%	285,052	281,513	285,311	
FREDDIE MAC NOTES	3137EAEW5	1,240,000	0.250	9/8/2023	9/4/2020	0.26%	1,239,591	1,224,830	1,241,014	
FREDDIE MAC NOTES	3137EAEW5	750,000	0.250	9/8/2023	10/8/2020	0.26%	749,760	740,825	750,613	
TORONTO-DOMINION BANK CORPORATE NOTES	89114QCJ5	500,000	0.450	9/11/2023	9/11/2020	0.50%	499,285	493,545	500,492	
US TREASURY NOTES	91282CDA6	2,000,000	0.250	9/30/2023	10/6/2021	0.28%	1,998,906	1,974,516	2,000,788	
ROYAL BANK OF CANADA CORPORATE NOTES	78015K7J7	690,000	0.500	10/26/2023	10/26/2020	0.52%	689,572	680,841	690,664	
US TREASURY N/B NOTES	91282CDD0	3,650,000	0.375	10/31/2023	11/3/2021	0.52%	3,639,449	3,607,321	3,644,272	
MS ST TXBL GO BONDS	605581MY0	375,000	0.422	11/1/2023	8/6/2020	0.42%	375,000	370,134	375,396	
US TREASURY NOTES	91282CAW1	4,000,000	0.250	11/15/2023	12/3/2020	0.22%	4,003,750	3,940,280	4,004,425	
INTL BK RECON & DEVELOP NOTES	459058JM6	1,060,000	0.250	11/24/2023	11/24/2020	0.32%	1,057,721	1,043,167	1,059,117	
US TREASURY N/B NOTES	91282CDM0	2,050,000	0.500	11/30/2023	12/3/2021	0.58%	2,046,717	2,027,751	2,048,762	
US TREASURY N/B NOTES	91282CDM0	7,500,000	0.500	11/30/2023	12/6/2021	0.62%	7,482,715	7,418,599	7,490,566	
FREDDIE MAC NOTES	3137EAF2	1,155,000	0.250	12/4/2023	12/4/2020	0.28%	1,153,857	1,136,056	1,154,757	
BANK OF MONTREAL CORPORATE NOTES	06368EA36	385,000	0.450	12/8/2023	12/8/2020	0.47%	384,750	378,220	385,101	
CANADIAN IMPERIAL BANK CORPORATE NOTES	13607GRS5	1,000,000	0.500	12/14/2023	12/14/2020	0.52%	999,490	981,140	1,000,336	
OK ST TURNPIKE AUTH TXBL REV BONDS	679111ZR8	355,000	0.804	1/1/2024	10/29/2020	0.80%	355,000	350,541	355,238	
US TREASURY NOTES	91282CBE0	3,250,000	0.125	1/15/2024	2/3/2021	0.18%	3,244,795	3,184,683	3,246,742	
CITIBANK NA BANK NOTES	17325FAS7	425,000	3.650	1/23/2024	5/12/2020	1.31%	460,696	442,672	444,395	
US TREASURY NOTES	91282CBM2	3,000,000	0.125	2/15/2024	3/3/2021	0.27%	2,986,992	2,937,982	2,992,763	
ALPHABET INC CORP NOTES	02079KAB3	500,000	3.375	2/25/2024	11/30/2021	0.83%	528,175	527,477	533,315	
TORONTO-DOMINION BANK CORPORATE NOTES	89114QCQ9	500,000	0.550	3/4/2024	3/4/2021	0.58%	499,555	490,736	500,814	
NY ST URBAN DEV CORP TXBL REV BONDS	650036DS2	695,000	0.620	3/15/2024	12/23/2020	0.62%	695,000	682,672	696,628	
SWEDBANK AB CORPORATE NOTES	87020PAM9	500,000	0.850	3/18/2024	3/18/2021	0.87%	499,705	493,240	501,361	
BANK OF NOVA SCOTIA CORPORATE NOTES	0641593X2	450,000	0.700	4/15/2024	4/19/2021	0.71%	449,892	440,429	450,848	
US TREASURY N/B NOTES	91282CBV2	7,500,000	0.375	4/15/2024	12/6/2021	0.75%	7,434,961	7,370,141	7,447,689	
US TREASURY NOTES	912828X70	1,000,000	2.000	4/30/2024	4/5/2021	0.37%	1,049,648	1,022,013	1,041,411	
AMAZON.COM INC CORPORATE NOTES	023135BW5	870,000	0.450	5/12/2024	5/12/2021	0.50%	868,730	852,097	869,896	
NORDEA BANK AB CORPORATE NOTES	65559CAC5	375,000	0.625	5/24/2024	5/24/2021	0.63%	374,955	367,929	375,402	
LA ST TXBL GO BONDS	546417DP8	480,000	0.650	6/1/2024	10/14/2020	0.65%	480,000	472,346	480,520	
ASIAN DEVELOPMENT BANK CORPORATE NOTES	045167FE8	1,915,000	0.375	6/11/2024	6/9/2021	0.40%	1,913,851	1,873,032	1,915,096	
SVENSKA HANDELSBANKEN AB CORPORATE NOTES	86959LA88	425,000	0.550	6/11/2024	6/11/2021	0.58%	424,673	414,558	425,068	
US TREASURY N/B NOTES	91282CCG4	2,850,000	0.250	6/15/2024	7/7/2021	0.47%	2,831,520	2,782,807	2,836,055	
US TREASURY N/B NOTES	91282CCL3	580,000	0.375	7/15/2024	8/9/2021	0.38%	579,932	567,415	580,045	
US TREASURY N/B NOTES	91282CCL3	1,025,000	0.375	7/15/2024	8/10/2021	0.41%	1,023,919	1,002,759	1,024,276	
ROYAL BANK OF CANADA CORPORATE NOTES	78016EZU4	500,000	0.650	7/29/2024	7/30/2021	0.64%	500,220	487,208	500,201	
BANK OF NOVA SCOTIA CORPORATE NOTES	0641596E1	230,000	0.650	7/31/2024	8/3/2021	0.68%	229,795	224,094	229,834	
UBS AG LONDON CORPORATE NOTES	902674YK0	355,000	0.700	8/9/2024	8/9/2021	0.71%	354,854	349,281	356,065	
US TREASURY N/B NOTES	91282CCT6	2,250,000	0.375	8/15/2024	9/3/2021	0.41%	2,247,539	2,202,218	2,251,782	
US TREASURY NOTES	912828YE4	7,500,000	1.250	8/31/2024	12/6/2021	0.83%	7,584,082	7,528,164	7,619,167	
SKANDINAVISKA ENSKILDA CORPORATE NOTES	83051GAS7	440,000	0.650	9/9/2024	9/9/2021	0.70%	439,375	429,857	440,586	
NESTLE HOLDINGS INC CORP NOTES (CALLABLE)	641062AU8	1,090,000	0.606	9/14/2024	9/14/2021	0.61%	1,090,000	1,064,166	1,092,514	
US TREASURY N/B NOTES	91282CCX7	2,000,000	0.375	9/15/2024	10/6/2021	0.51%	1,991,875	1,954,442	1,995,647	
JPMORGAN CHASE & CO CORPORATE NOTES (CAL)	46647PBS4	375,000	0.653	9/16/2024	9/16/2020	0.65%	375,000	371,231	375,918	
JPMORGAN CHASE & CO CORPORATE NOTES (CAL)	46647PBS4	125,000	0.653	9/16/2024	9/30/2020	0.66%	124,968	123,744	125,285	
INTER-AMERICAN DEVEL BK NOTES	4581X0DZ8	1,490,000	0.500	9/23/2024	9/23/2021	0.52%	1,488,897	1,460,285	1,491,678	
BANK OF NY MELLON CORP (CALLABLE) CORPOR	06406RAX5	350,000	0.850	10/25/2024	12/9/2021	1.18%	346,752	344,689	347,712	
US TREASURY NOTES	912828YM6	3,250,000	1.500	10/31/2024	5/6/2021	0.44%	3,368,701	3,275,727	3,355,976	

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.



**DC Water
Finance Division
Portfolio Holdings by Fund (Continued)**

DESCRIPTION	CUSIP	PAR AMOUNT	COUPON RATE	MATURITY DATE	SETTLEMENT DATE	YTM AT COST	ORIGINAL COST	MARKET VALUE + ACCRUED INTEREST	AMORTIZED COST + ACCRUED INTEREST	TOTAL VALUE
Operating Reserve Accounts										
WESTPAC BANKING CORP CORPORATE NOTES	961214EU3	740,000	1.019	11/18/2024	11/18/2021	1.02%	740,000	728,036	741,529	
US TREASURY NOTES	912828YV6	1,050,000	1.500	11/30/2024	6/7/2021	0.42%	1,088,965	1,056,827	1,084,370	
US TREASURY N/B NOTES	91282CDN8	700,000	1.000	12/15/2024	1/5/2022	1.02%	699,508	693,814	700,443	
COOPERATIVE RABOBANK UA CORPORATE NOTES	21688AAS1	750,000	1.375	1/10/2025	1/12/2022	1.48%	747,705	742,741	748,291	
NATIONAL AUSTRALIA BANK CORPORATE NOTES	6325C0DZ1	1,075,000	1.388	1/12/2025	1/12/2022	1.39%	1,075,000	1,064,676	1,075,788	
UBS AG LONDON (CALLABLE) CORPORATE NOTES	902674YU8	750,000	1.375	1/13/2025	1/13/2022	1.45%	748,245	741,200	748,791	
US BANK NA CINCINNATI (CALLABLE) CORPORA	90331HPL1	475,000	2.050	1/21/2025	10/14/2020	0.70%	501,937	479,493	493,834	
US BANK NA CINCINNATI CORP NOTE (CALLABL	90331HMS9	450,000	2.800	1/27/2025	3/8/2021	0.95%	481,631	463,651	474,261	
MICROSOFT CORP (CALLABLE) NOTES	594918BB9	475,000	2.700	2/12/2025	3/10/2021	0.98%	506,388	495,590	504,743	
JPMORGAN CHASE & CO CORP NOTES (CALLABLE	46647PBY1	305,000	0.563	2/16/2025	2/16/2021	0.56%	305,000	298,242	305,787	
BANK OF AMERICA CORP CORP NOTES	06051GHR3	700,000	3.458	3/15/2025	7/26/2021	1.53%	747,635	729,738	749,964	
BANK OF NY MELLON (CALLABLE) CORP NOTES	06406RAN7	475,000	1.600	4/24/2025	3/8/2021	0.91%	488,329	473,772	487,398	
JPMORGAN CHASE & CO CORPORATE NOTES	46647PCH7	470,000	0.824	6/1/2025	6/1/2021	0.82%	470,000	458,863	470,645	
FL ST BOARD OF ADMIN TXBL REV BONDS	341271AD6	245,000	1.258	7/1/2025	9/16/2020	1.26%	245,000	240,903	245,257	
STATE ST (CALLABLE) BANK & TR CORP NOTES	857477BE2	500,000	2.354	11/1/2025	12/7/2021	1.46%	516,915	519,957	519,193	
FG J20795	31306X3C5	261,718	2.500	10/1/2027	3/24/2020	2.35%	264,335	268,779	264,233	
FANNIE MAE POOL	3138MRLV1	271,825	2.500	1/1/2028	2/18/2020	2.25%	276,667	279,040	276,030	
FR ZS6941	3132A7WA5	267,818	2.000	3/1/2028	5/18/2020	1.61%	275,434	270,230	274,209	
FG J23552	31307B5M8	251,927	2.500	5/1/2028	2/18/2020	2.25%	256,729	258,726	256,109	
FN BM4614	3140J9DU2	344,862	3.000	3/1/2033	8/17/2021	2.35%	367,493	359,728	367,453	
FN FM5616	3140X9G25	419,603	3.000	12/1/2034	9/21/2021	2.49%	443,796	435,622	444,177	
FN FM0047	3140X3BR8	377,655	3.000	12/1/2034	6/17/2021	2.45%	401,554	393,842	401,384	
FN FM3770	3140X7FL8	288,881	3.000	7/1/2035	8/19/2020	2.48%	307,704	300,765	306,585	
										\$ 303,021,712.74
Debt Service Reserve										
ALLSPRING TREASURY PLUS MMF		\$ 37,917		2/1/2022		0.01%	\$ 37,917	\$ 37,917	\$ 37,917	
US TREASURY NOTES	912828L57	1,290,000	1.750	9/30/2022	11/1/2019	1.53%	1,298,113	1,307,567	1,299,528	
US TREASURY NOTES	912828TY6	3,740,000	1.625	11/15/2022	10/7/2021	0.13%	3,801,798	3,779,976	3,796,996	
FANNIE MAE NOTES	3135G05G4	6,000,000	0.250	7/10/2023	7/10/2020	0.31%	5,990,040	5,934,527	5,996,109	
FREDDIE MAC NOTES	3137EAEW5	4,325,000	0.250	9/8/2023	9/4/2020	0.24%	4,326,341	4,272,088	4,330,007	
US TREASURY NOTES	9128285D8	100,000	2.875	9/30/2023	7/30/2021	0.23%	105,723	103,917	105,358	
										\$ 15,565,914.82
CSO LTCP Appropriations Account										
TD BANK BANK DEPOSIT		\$ 3,092,210		2/1/2022		0.00%	\$ 3,092,210	\$ 3,092,210	\$ 3,092,210	
										\$ 3,092,210.26
Capital Project Accounts										
TD BANK - DEPOSITS (DC WATER - COVID RESIDENTIAL RELIEF FUND)		\$ 1,107,157		2/1/2022		0.00%	\$ 1,107,157	\$ 1,107,157	\$ 1,107,157	
TD BANK - DEPOSITS (DC WATER - CAP MULTI-FAMILY BLDGS)		4,225,044		2/1/2022		0.00%	4,225,044	4,225,044	4,225,044	
TD BANK - DEPOSITS (DC WATER - CAP FY2022 TARGETED ASSIST.)		5,000,000		2/1/2022		0.00%	5,000,000	5,000,000	5,000,000	
TD BANK - REPLACEMENT OF WATER MAINS AT MASS AVE		4,298,000		2/1/2022		0.00%	4,298,000	4,298,000	4,298,000	
TD BANK - DEPOSITS (DISTRICT FUNDS)		15,891,356		2/1/2022		0.00%	15,891,356	15,891,356	15,891,356	
TD BANK - DEPOSITS (DOEE - CRIAC RES + EMERGENCY RES RELIEF)		100,000		2/1/2022		0.00%	100,000	100,000	100,000	
TD BANK - DEPOSITS (DOEE - CAP3 + NON-PROFIT RELIEF)		350,000		2/1/2022		0.00%	350,000	350,000	350,000	
TD BANK - DEPOSITS (DOEE - LEAD SERVICE LINE-LRPAP)		1,500,000		2/1/2022		0.00%	1,500,000	1,500,000	1,500,000	
TD BANK - DEPOSITS (DOEE - LEAD SERVICE LINE-ERW)		8,500,000		2/1/2022		0.00%	8,500,000	8,500,000	8,500,000	
										\$ 40,971,557.25
2019A Construction Fund										
ALLSPRING 100% TREASURY MMF		\$ 50,661,375		2/1/2022		0.01%	\$ 50,661,375	\$ 50,661,375	\$ 50,661,375	
										\$ 50,661,375.34

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.
Effective October 11, 2021, Wells Fargo Funds rebranded as Allspring Funds.



**DC Water
Finance Division
Portfolio Holdings by Fund (Continued)**

DESCRIPTION	CUSIP	PAR AMOUNT	COUPON RATE	MATURITY DATE	SETTLEMENT DATE	YTM AT COST	ORIGINAL COST	MARKET VALUE + ACCRUED INTEREST	AMORTIZED COST + ACCRUED INTEREST	TOTAL VALUE
2019C Construction Fund										
ALLSPRING 100% TREASURY MMF		\$ 45,482,216		2/1/2022		0.01%	\$ 45,482,216	\$ 45,482,216	\$ 45,482,216	
MACQUARIE BANK LIMITED COMM PAPER	55607LC44	1,250,000	-	3/4/2022	1/7/2022	0.15%	1,249,708	1,249,773	1,249,839	
SHEFFIELD RECEIVABLES COMM PAPER	82124MC99	3,000,000	-	3/9/2022	1/7/2022	0.15%	2,999,238	2,999,340	2,999,550	
SUMITOMO MITSUI BANKING COMM PAPER	86562LCA8	1,000,000	-	3/10/2022	1/7/2022	0.15%	999,742	999,801	999,846	
MUFG BANK LTD/NY COMM PAPER	62479MCE1	3,000,000	-	3/14/2022	1/7/2022	0.16%	2,999,120	2,999,355	2,999,453	
SKANDINAV ENSKILDA BANK COMM PAPER	83050UD13	2,700,000	-	4/1/2022	1/7/2022	0.20%	2,698,740	2,699,163	2,699,115	
BARTON CAPITAL SA COMM PAPER	06945MD86	3,000,000	-	4/8/2022	1/7/2022	0.23%	2,998,256	2,998,290	2,998,735	
BANK OF MONTREAL COMM PAPER	06369MDJ9	5,000,000	-	4/18/2022	1/7/2022	0.21%	4,997,054	4,997,545	4,997,783	
NATIXIS NY BRANCH COMM PAPER	63873KDT1	3,000,000	-	4/27/2022	1/27/2022	0.28%	2,997,900	2,997,993	2,998,017	
BNP PARIBAS NY BRANCH COMM PAPER	09659CDT2	3,000,000	-	4/27/2022	1/27/2022	0.28%	2,997,900	2,997,993	2,998,017	
US TREASURY NOTES	912828ZM5	15,000,000	0.125	4/30/2022	1/28/2022	0.19%	14,997,656	15,000,129	15,002,575	
MACQUARIE BANK LIMITED COMM PAPER	55607LE26	1,750,000	-	5/2/2022	1/27/2022	0.30%	1,748,615	1,748,714	1,748,688	
LMA AMERICAS LLC COMM PAPER	53944REB0	3,000,000	-	5/11/2022	1/27/2022	0.32%	2,997,227	2,997,144	2,997,360	
TORONTO DOMINION BANK COMM PAPER	89119BET9	5,000,000	-	5/27/2022	1/27/2022	0.30%	4,995,000	4,994,965	4,995,208	
US TREASURY NOTES	912828ZR4	5,000,000	0.125	5/31/2022	1/27/2022	0.26%	4,997,656	4,997,176	4,998,832	
										\$ 100,165,233.69
							\$ 559,462,339.90	\$ 557,896,751.94	\$ 559,621,916.10	\$ 559,621,916.10

CDARS holdings are not managed by PFMAM, and we therefore cannot guarantee the accuracy of holdings information provided.
Effective October 11, 2021, Wells Fargo Funds rebranded as Allspring Funds.



**DC Water
Finance Division
Security Purchases
Last 6 Months**

CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	TRADE DATE	SETTLE DATE	YTM	TRANSACTION AMOUNT
Operating Reserve Accounts								
RE1061903	INDUSTRIAL BANK CDARS	5,281,904.40	0.03	11/3/2022	11/4/2021	11/4/2021	0.03	5,281,904.40
RE1061911	INDUSTRIAL BANK CDARS	2,751,170.27	0.03	7/14/2022	1/13/2022	1/13/2022	0.03	2,751,170.27
RE1061911	INDUSTRIAL BANK CDARS	2,708,162.19	0.03	7/14/2022	1/13/2022	1/13/2022	0.03	2,708,162.19
0641596E1	BANK OF NOVA SCOTIA CORPORATE NOTES	230,000.00	0.65	7/31/2024	7/27/2021	8/3/2021	0.68	229,795.30
3140J9DU2	FN BM4614	390,736.74	3.00	3/1/2033	8/3/2021	8/17/2021	2.35	416,899.82
902674YK0	UBS AG LONDON CORPORATE NOTES	355,000.00	0.70	8/9/2024	8/3/2021	8/9/2021	0.71	354,854.45
91282CCL3	US TREASURY N/B NOTES	580,000.00	0.38	7/15/2024	8/5/2021	8/9/2021	0.38	580,079.79
91282CCL3	US TREASURY N/B NOTES	1,025,000.00	0.38	7/15/2024	8/9/2021	8/10/2021	0.41	1,024,190.52
83051GAS7	SKANDINAVISKA ENSKILDA CORPORATE NOTES	440,000.00	0.65	9/9/2024	8/31/2021	9/9/2021	0.70	439,375.20
91282CCT6	US TREASURY N/B NOTES	2,250,000.00	0.38	8/15/2024	9/1/2021	9/3/2021	0.41	2,247,974.69
641062AU8	NESTLE HOLDINGS INC CORP NOTES (CALLABLE)	1,090,000.00	0.61	9/14/2024	9/14/2021	9/14/2021	0.61	1,090,000.00
4581X0DZ8	INTER-AMERICAN DEVEL BK NOTES	1,490,000.00	0.50	9/23/2024	9/15/2021	9/23/2021	0.52	1,488,897.40
3140X9G25	FN FM5616	469,808.15	3.00	12/1/2034	9/16/2021	9/21/2021	2.49	497,678.54
91282CCU3	US TREASURY N/B NOTES	375,000.00	0.13	8/31/2023	9/24/2021	9/27/2021	0.27	373,980.27
91282CCX7	US TREASURY N/B NOTES	2,000,000.00	0.38	9/15/2024	10/1/2021	10/6/2021	0.51	1,992,310.08
91282CDA6	US TREASURY NOTES	2,000,000.00	0.25	9/30/2023	10/1/2021	10/6/2021	0.28	1,998,988.67
91282CDD0	US TREASURY N/B NOTES	3,650,000.00	0.38	10/31/2023	11/1/2021	11/3/2021	0.52	3,639,562.65
961214EU3	WESTPAC BANKING CORP CORPORATE NOTES	740,000.00	1.02	11/18/2024	11/8/2021	11/18/2021	1.02	740,000.00
02079KAB3	ALPHABET INC CORP NOTES	500,000.00	3.38	2/25/2024	11/26/2021	11/30/2021	0.83	532,628.13
91282CDM0	US TREASURY N/B NOTES	2,050,000.00	0.50	11/30/2023	12/1/2021	12/3/2021	0.58	2,046,801.28
857477BE2	STATE ST (CALLABLE) BANK & TR CORP NOTES	500,000.00	2.35	11/1/2025	12/3/2021	12/7/2021	1.46	518,092.00
912828YE4	US TREASURY NOTES	7,500,000.00	1.25	8/31/2024	12/6/2021	12/6/2021	0.83	7,609,202.89
91282CBD2	US TREASURY NOTES	7,500,000.00	0.13	12/31/2022	12/6/2021	12/6/2021	0.33	7,487,644.36
91282CBV2	US TREASURY N/B NOTES	7,500,000.00	0.38	4/15/2024	12/6/2021	12/6/2021	0.75	7,438,978.80
91282CCN9	US TREASURY N/B NOTES	7,500,000.00	0.13	7/31/2023	12/6/2021	12/6/2021	0.52	7,454,042.12
91282CDM0	US TREASURY N/B NOTES	7,500,000.00	0.50	11/30/2023	12/6/2021	12/6/2021	0.62	7,483,332.97
06406RAX5	BANK OF NY MELLON CORP (CALLABLE) CORPOR	350,000.00	0.85	10/25/2024	12/7/2021	12/9/2021	1.18	347,115.61
91282CBU4	US TREASURY NOTES	3,500,000.00	0.13	3/31/2023	12/21/2021	12/22/2021	0.48	3,485,138.23
91282CDN8	US TREASURY N/B NOTES	1,450,000.00	1.00	12/15/2024	1/3/2022	1/5/2022	1.02	1,449,817.01
6325C0DZ1	NATIONAL AUSTRALIA BANK CORPORATE NOTES	1,075,000.00	1.39	1/12/2025	1/4/2022	1/12/2022	1.39	1,075,000.00
902674YU8	UBS AG LONDON (CALLABLE) CORPORATE NOTES	750,000.00	1.38	1/13/2025	1/4/2022	1/13/2022	1.45	748,245.00
21688AAS1	COOPERATIVE RABOBANK UA CORPORATE NOTES	750,000.00	1.38	1/10/2025	1/6/2022	1/12/2022	1.48	747,705.00
91282CBN0	US TREASURY NOTES	1,375,000.00	0.13	2/28/2023	1/21/2022	1/24/2022	0.63	1,368,066.25
Total Debt Service Reserve								
912828TY6	US TREASURY NOTES	3,740,000.00	1.63	11/15/2022	10/6/2021	10/7/2021	0.13	3,825,744.33
2019C Construction Fund								
06369MDJ9	BANK OF MONTREAL COMM PAPER	5,000,000.00	0.000	4/18/2022	1/7/2022	1/7/2022	0.210	4,997,054.17
06945MD86	BARTON CAPITAL SA COMM PAPER	3,000,000.00	0.000	4/8/2022	1/7/2022	1/7/2022	0.230	2,998,255.83
55607LC44	MACQUARIE BANK LIMITED COMM PAPER	1,250,000.00	0.000	3/4/2022	1/7/2022	1/7/2022	0.150	1,249,708.33
62479MCE1	MUFG BANK LTD/NY COMM PAPER	3,000,000.00	0.000	3/14/2022	1/7/2022	1/7/2022	0.160	2,999,120.00
82124MC99	SHEFFIELD RECEIVABLES COMM PAPER	3,000,000.00	0.000	3/9/2022	1/7/2022	1/7/2022	0.150	2,999,237.50
83050UD13	SKANDINAV ENSKILDA BANK COMM PAPER	2,700,000.00	0.000	4/1/2022	1/7/2022	1/7/2022	0.200	2,698,740.00
86562LCA8	SUMITOMO MITSUI BANKING COMM PAPER	1,000,000.00	0.000	3/10/2022	1/7/2022	1/7/2022	0.150	999,741.67
53944REB0	LMA AMERICAS LLC COMM PAPER	3,000,000.00	0.000	5/11/2022	1/26/2022	1/27/2022	0.320	2,997,226.67
55607LE26	MACQUARIE BANK LIMITED COMM PAPER	1,750,000.00	0.000	5/2/2022	1/26/2022	1/27/2022	0.300	1,748,614.58
89119BET9	TORONTO DOMINION BANK COMM PAPER	5,000,000.00	0.000	5/27/2022	1/26/2022	1/27/2022	0.300	4,995,000.00
91282ZR4	US TREASURY NOTES	5,000,000.00	0.125	5/31/2022	1/26/2022	1/27/2022	0.260	4,998,652.13
09659CDT2	BNP PARIBAS NY BRANCH COMM PAPER	3,000,000.00	0.000	4/27/2022	1/27/2022	1/27/2022	0.280	2,997,900.00

Securities highlighted in **blue font** denote trades executed during the current month.



**DC Water
Finance Division
Security Purchases (Continued)
Last 6 Months**

CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	TRADE DATE	SETTLE DATE	YTM	TRANSACTION AMOUNT
<u>2019C Construction Fund</u>								
63873KDT1	NATIXIS NY BRANCH COMM PAPER	3,000,000.00	0.000	4/27/2022	1/27/2022	1/27/2022	0.280	2,997,900.00
912828ZM5	US TREASURY NOTES	15,000,000.00	0.125	4/30/2022	1/27/2022	1/28/2022	0.190	15,002,266.06

Securities highlighted in **blue font** denote trades executed during the current month.



DC Water
Finance Division
Security Sales
Last 6 Months

CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	TRADE DATE	SETTLE DATE	REALIZED GAIN/LOSS	TRANSACTION AMOUNT
Operating Reserve Accounts								
9128286C9	US TREASURY NOTES	200,000.00	2.50	2/15/2022	7/27/2021	8/3/2021	2,664.77	204,959.25
9128286C9	US TREASURY NOTES	350,000.00	2.50	2/15/2022	8/4/2021	8/9/2021	4,538.17	358,700.67
73358W4V3	PORT AUTH OF NY/NJ TXBL REV BONDS	285,000.00	1.09	7/1/2023	8/5/2021	8/9/2021	4,178.10	289,504.81
73358W4V3	PORT AUTH OF NY/NJ TXBL REV BONDS	285,000.00	1.09	7/1/2023	8/5/2021	8/9/2021	3,116.43	289,504.81
9128286C9	US TREASURY NOTES	1,000,000.00	2.50	2/15/2022	8/9/2021	8/10/2021	12,769.89	1,024,732.83
9128286C9	US TREASURY NOTES	300,000.00	2.50	2/15/2022	8/17/2021	8/17/2021	3,723.37	303,708.73
64966QED8	NYC, NY TXBL GO BONDS	385,000.00	1.68	10/1/2021	9/1/2021	9/3/2021	473.55	388,204.48
9128286C9	US TREASURY NOTES	400,000.00	2.50	2/15/2022	9/1/2021	9/3/2021	4,473.21	404,922.56
9128286C9	US TREASURY NOTES	1,250,000.00	2.50	2/15/2022	9/1/2021	9/3/2021	12,625.16	1,265,382.98
9128286M7	US TREASURY NOTES	425,000.00	2.25	4/15/2022	9/1/2021	9/9/2021	5,550.90	434,452.01
9128286M7	US TREASURY NOTES	160,000.00	2.25	4/15/2022	9/1/2021	9/3/2021	2,145.37	163,555.64
313379Q69	FEDERAL HOME LOAN BANK	700,000.00	2.13	6/10/2022	9/8/2021	9/14/2021	9,345.53	714,545.03
9128286M7	US TREASURY NOTES	225,000.00	2.25	4/15/2022	9/8/2021	9/14/2021	2,869.13	230,002.85
037833DL1	APPLE INC CORPORATE NOTES	140,000.00	1.70	9/11/2022	9/9/2021	9/13/2021	2,151.28	142,156.62
313379Q69	FEDERAL HOME LOAN BANK	575,000.00	2.13	6/10/2022	9/16/2021	9/23/2021	7,402.34	586,942.67
9128282P4	US TREASURY NOTES	500,000.00	1.88	7/31/2022	9/16/2021	9/23/2021	7,623.65	509,110.06
742718EU9	PROCTER & GAMBLE CO/THE CORP NOTES	950,000.00	2.15	8/11/2022	9/21/2021	9/23/2021	16,681.16	969,093.42
9128282S8	US TREASURY NOTES	375,000.00	1.63	8/31/2022	9/21/2021	9/21/2021	4,496.73	380,846.66
931142EK5	WAL-MART STORES INC (CALLABLE) CORP NOTE	340,000.00	3.40	6/26/2023	9/23/2021	9/23/2021	2,740.02	360,490.67
9128282P4	US TREASURY NOTES	2,550,000.00	1.88	7/31/2022	10/1/2021	10/6/2021	36,712.80	2,595,958.90
92826CAG7	VISA INC (CALLABLE) NOTE	925,000.00	2.15	9/15/2022	10/4/2021	10/6/2021	19,241.62	942,014.60
9128282S8	US TREASURY NOTES	225,000.00	1.63	8/31/2022	11/1/2021	11/3/2021	2,263.01	228,432.54
912828YK0	US TREASURY NOTES	625,000.00	1.38	10/15/2022	11/1/2021	11/3/2021	8,271.56	632,699.56
912828YK0	US TREASURY NOTES	2,425,000.00	1.38	10/15/2022	11/1/2021	11/3/2021	33,773.91	2,454,874.26
912828YK0	US TREASURY NOTES	750,000.00	1.38	10/15/2022	11/10/2021	11/17/2021	9,994.10	759,255.23
912828Z29	US TREASURY NOTES	425,000.00	1.50	1/15/2023	11/26/2021	11/30/2021	5,193.41	433,383.79
06742TWL6	BARCLAYS BANK PLC NY CERT DEPOS	2,025,000.00	0.29	2/4/2022	12/1/2021	12/3/2021	494.10	2,030,289.98
7417017E0	PRINCE GEORGES CNTY, MD TXBL GO BONDS	500,000.00	0.60	9/15/2022	12/2/2021	12/6/2021	1,050.00	501,728.38
90275DNS5	UBS AG STAMFORD CT CERT DEPOS	1,000,000.00	0.27	3/11/2022	1/3/2022	1/5/2022	197.91	1,002,440.41
912828Z29	US TREASURY NOTES	1,275,000.00	1.50	1/15/2023	1/5/2022	1/12/2022	11,448.45	1,298,003.27
91282CDN8	US TREASURY N/B NOTES	750,000.00	1.00	12/15/2024	1/6/2022	1/12/2022	(2,464.37)	747,588.64
91282CBD2	US TREASURY NOTES	550,000.00	0.13	12/31/2022	1/11/2022	1/13/2022	(869.18)	548,069.61
06406RAM9	BANK OF NY MELLON CORP NOTES (CALLABLE)	325,000.00	1.85	1/27/2023	1/19/2022	1/24/2022	3,891.96	331,771.65
06367WRC9	BANK OF MONTREAL CORP NOTES	500,000.00	2.05	11/1/2022	1/20/2022	1/24/2022	5,623.50	507,838.19
89114QCD8	TORONTO-DOMINION BANK	500,000.00	1.90	12/1/2022	1/20/2022	1/24/2022	5,645.35	506,893.61

Securities highlighted in **blue font** denote trades executed during the current month.



**DC Water
Finance Division
Security Maturities
Last 6 Months**

CUSIP	DESCRIPTION	PAR	COUPON	MATURITY DATE	TRADE DATE	SETTLE DATE	TRANSACTION AMOUNT
Operating Reserve Accounts							
RE1330845	INDUSTRIAL BANK CDARS	5,279,271.17	0.10	11/4/2021		11/4/2021	5,281,903.57
RE1330951	INDUSTRIAL BANK CDARS	2,705,462.56	0.10	1/13/2022		1/13/2022	2,708,160.61
RE1330951	INDUSTRIAL BANK CDARS	2,748,427.78	0.10	1/13/2022		1/13/2022	2,751,168.68
Total Debt Service Reserve							
912828F21	US TREASURY NOTES	6,840,000.00	2.13	9/30/2021		9/30/2021	6,912,675.00
2019C Construction Fund							
9128282F6	US TREASURY NOTES	45,550,000.00	1.13	8/31/2021	8/31/2021	8/31/2021	45,806,218.75
86960JWF8	SVENSKA HANDELSBANKEN AB COMM PAPER	3,000,000.00	-	9/15/2021	9/15/2021	9/15/2021	3,000,000.00
19424HWH9	COLLAT COMM PAPER V CO COMM PAPER	3,000,000.00	-	9/17/2021	9/17/2021	9/17/2021	3,000,000.00
53944QX13	LMA AMERICAS LLC COMM PAPER	3,000,000.00	-	10/1/2021	10/1/2021	10/1/2021	3,000,000.00
60689FYV4	MIZUHO BANK LTD/NY COMM PAPER	800,000.00	-	11/29/2021	11/29/2021	11/29/2021	800,000.00
0020P2Z17	ASB FINANCE LTD LONDON COMM PAPER	3,000,000.00	-	12/1/2021	12/1/2021	12/1/2021	3,000,000.00
80285PZ13	SANTANDER UK PLC COMM PAPER	3,000,000.00	-	12/1/2021	12/1/2021	12/1/2021	3,000,000.00
83368YFV4	SOCIETE GENERALE COMM PAPER	3,000,000.00	-	12/16/2021	12/16/2021	12/16/2021	3,000,000.00
83050TZH7	SKANDINAV ENSKILDA BANK COMM PAPER	500,000.00	-	12/17/2021	12/17/2021	12/17/2021	500,000.00

Securities highlighted in **blue font** denote trades executed during the current month.



**DC Water
Finance Division
Upcoming Transaction Cash Flows
Next 30 Days**

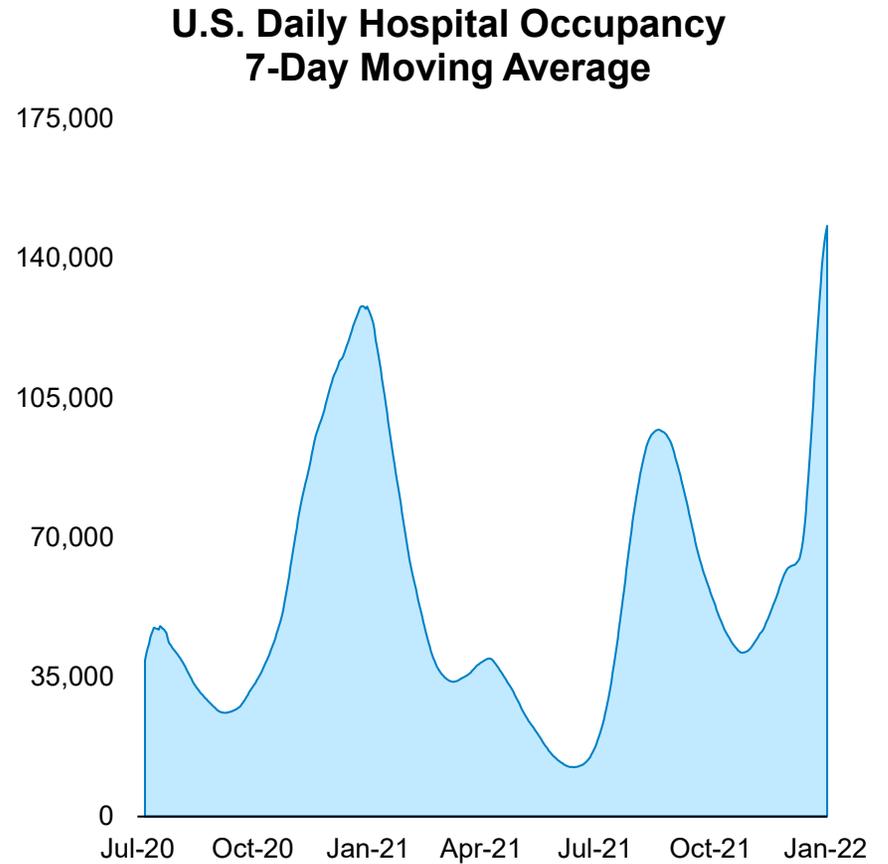
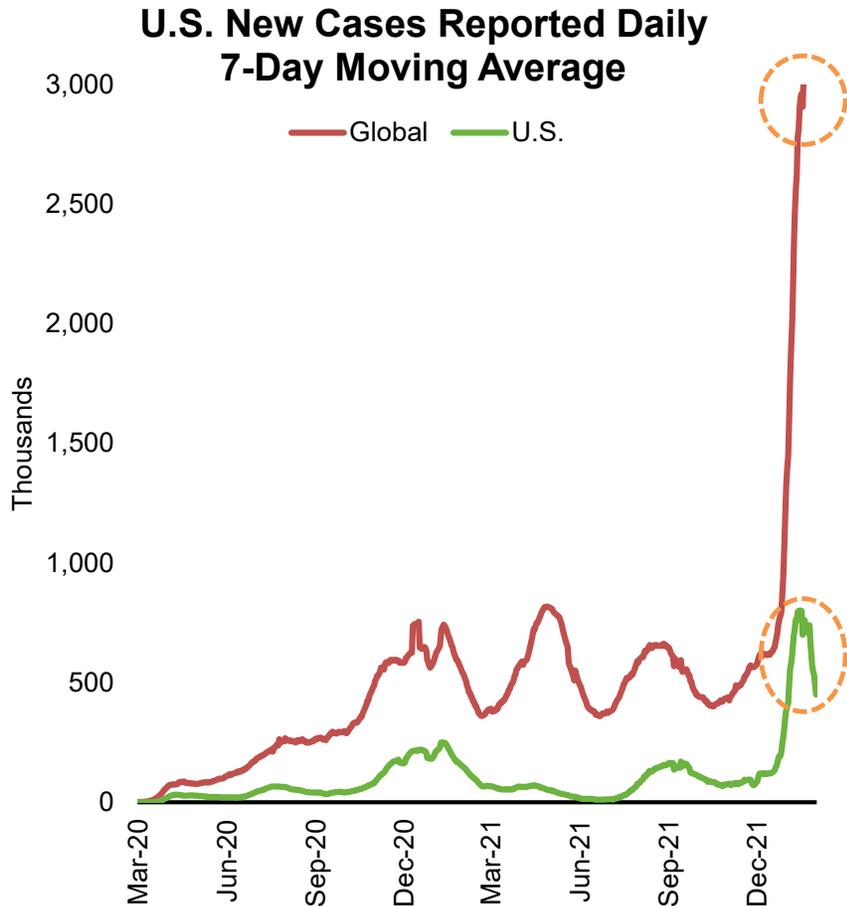
DATE	TRANSACTION	CUSIP	DESCRIPTION	COUPON	MATURITY DATE	PAR VALUE/SHARES	PRINCIPAL	INTEREST	TOTAL
02/01/22	INTEREST	438687KR5	HONOLULU, HI TXBL GO BONDS	1.739	08/01/22	390,000	0.00	3,391.05	3,391.05
02/01/22	INTEREST	574193TP3	MD ST TXBL GO BONDS	0.410	08/01/23	500,000	0.00	1,025.00	1,025.00
02/09/22	INTEREST	902674YK0	UBS AG LONDON CORPORATE NOTES	0.700	08/09/24	355,000	0.00	1,242.50	1,242.50
02/10/22	INTEREST	3135G05R0	FANNIE MAE NOTES (CALLABLE)	0.300	08/10/23	1,525,000	0.00	2,287.50	2,287.50
02/12/22	INTEREST	594918BB9	MICROSOFT CORP (CALLABLE) NOTES	2.700	02/12/25	475,000	0.00	6,412.50	6,412.50
02/15/22	INTEREST	31307B5M8	FG J23552	2.500	05/01/28	251,927	0.00	524.85	524.85
02/15/22	INTEREST	912828Z86	US TREASURY NOTES	1.375	02/15/23	625,000	0.00	4,296.88	4,296.88
02/15/22	INTEREST	31306X3C5	FG J20795	2.500	10/01/27	261,718	0.00	545.25	545.25
02/15/22	INTEREST	91282CBM2	US TREASURY NOTES	0.125	02/15/24	3,000,000	0.00	1,875.00	1,875.00
02/15/22	INTEREST	91282CCT6	US TREASURY N/B NOTES	0.375	08/15/24	2,250,000	0.00	4,218.75	4,218.75
02/15/22	MATURITY	64990FU36	NY ST DORM AUTH PITS TXBL REV BONDS	1.935	02/15/22	450,000	450,000.00	4,353.75	454,353.75
02/16/22	INTEREST	46647PBY1	JPMORGAN CHASE & CO CORP NOTES (CALLABLE)	0.563	02/16/25	305,000	0.00	858.58	858.58
02/17/22	INTEREST	3130AJ7E3	FEDERAL HOME LOAN BANKS NOTES	1.375	02/17/23	1,325,000	0.00	9,109.38	9,109.38
02/24/22	INTEREST	3137EAEV7	FREDDIE MAC NOTES	0.250	08/24/23	1,810,000	0.00	2,262.50	2,262.50
02/25/22	INTEREST	02079KAB3	ALPHABET INC CORP NOTES	3.375	02/25/24	500,000	0.00	8,437.50	8,437.50
02/25/22	INTEREST	3138MRLV1	FANNIE MAE POOL	2.500	01/01/28	271,825	0.00	566.30	566.30
02/25/22	INTEREST	3132A7WA5	FR ZS6941	2.000	03/01/28	267,818	0.00	446.36	446.36
02/25/22	INTEREST	3140X7FL8	FN FM3770	3.000	07/01/35	288,881	0.00	722.20	722.20
02/25/22	INTEREST	3140X3BR8	FN FM0047	3.000	12/01/34	377,655	0.00	944.14	944.14
02/25/22	INTEREST	3140J9DU2	FN BM4614	3.000	03/01/33	344,862	0.00	862.15	862.15
02/25/22	INTEREST	3140X9G25	FN FM5616	3.000	12/01/34	419,603	0.00	1,049.01	1,049.01
02/26/22	INTEREST	65558TLL7	NORDEA BANK ABP NEW YORK CERT DEPOS	1.850	08/26/22	1,450,000	0.00	13,710.56	13,710.56
02/26/22	INTEREST	83050PDR7	SKANDINAV ENSKILDA BANK LT CD	1.860	08/26/22	1,450,000	0.00	13,784.67	13,784.67
02/28/22	INTEREST	912828YE4	US TREASURY NOTES	1.250	08/31/24	7,500,000	0.00	46,875.00	46,875.00
02/28/22	INTEREST	91282CBN0	US TREASURY NOTES	0.125	02/28/23	1,375,000	0.00	859.38	859.38
02/28/22	INTEREST	91282CCU3	US TREASURY N/B NOTES	0.125	08/31/23	375,000	0.00	234.38	234.38



Appendix: Economic Update



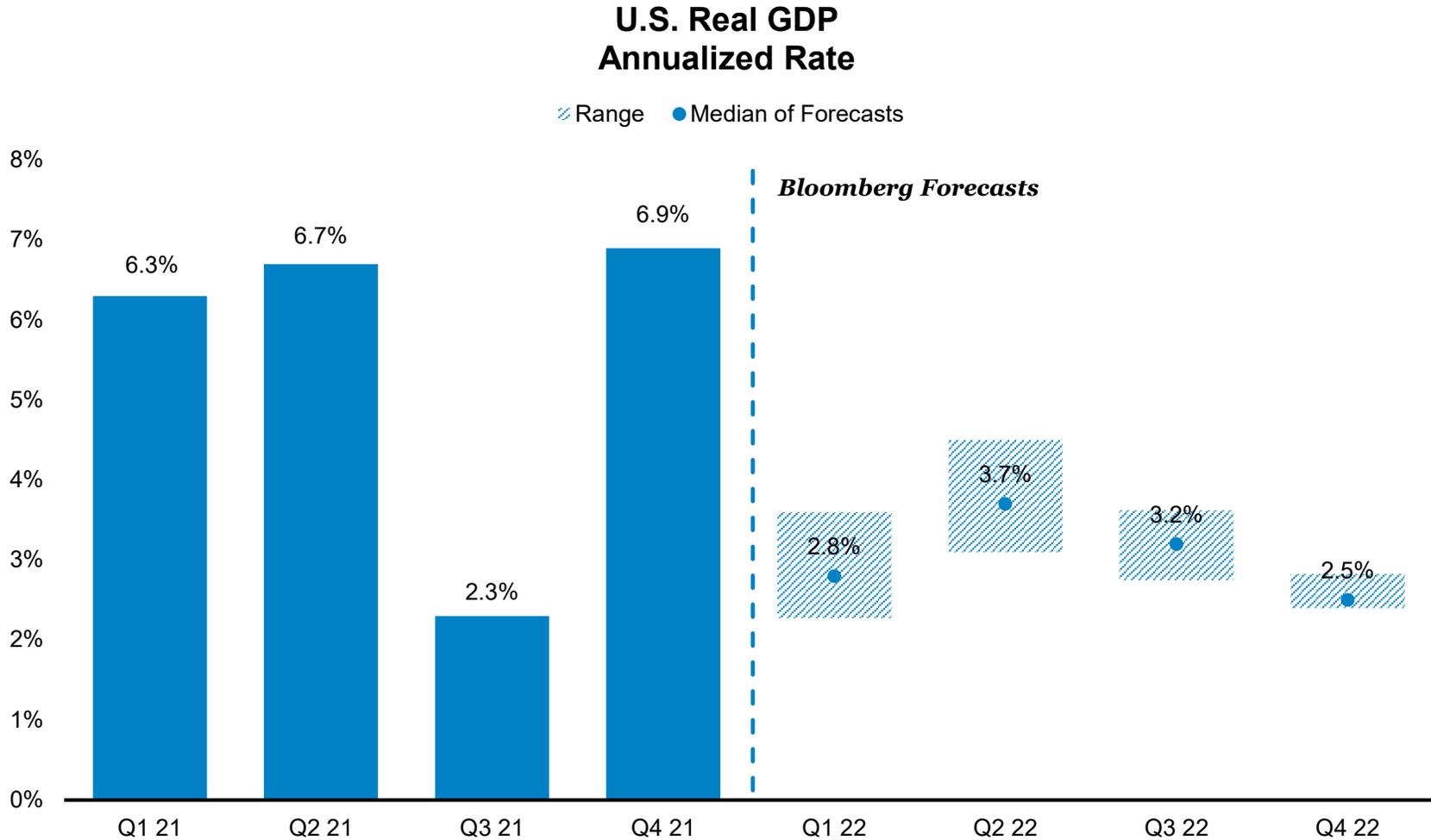
U.S. COVID-19 Cases Decline



Source: Bloomberg, John Hopkins University Coronavirus Resource Center, as of 01/31/2022.



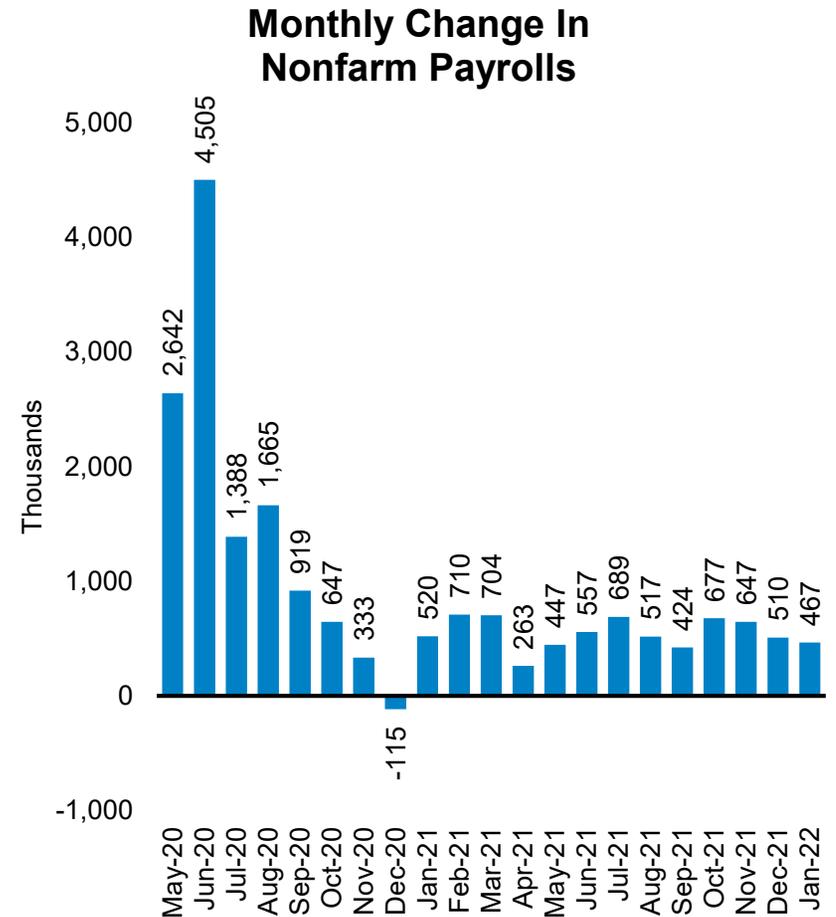
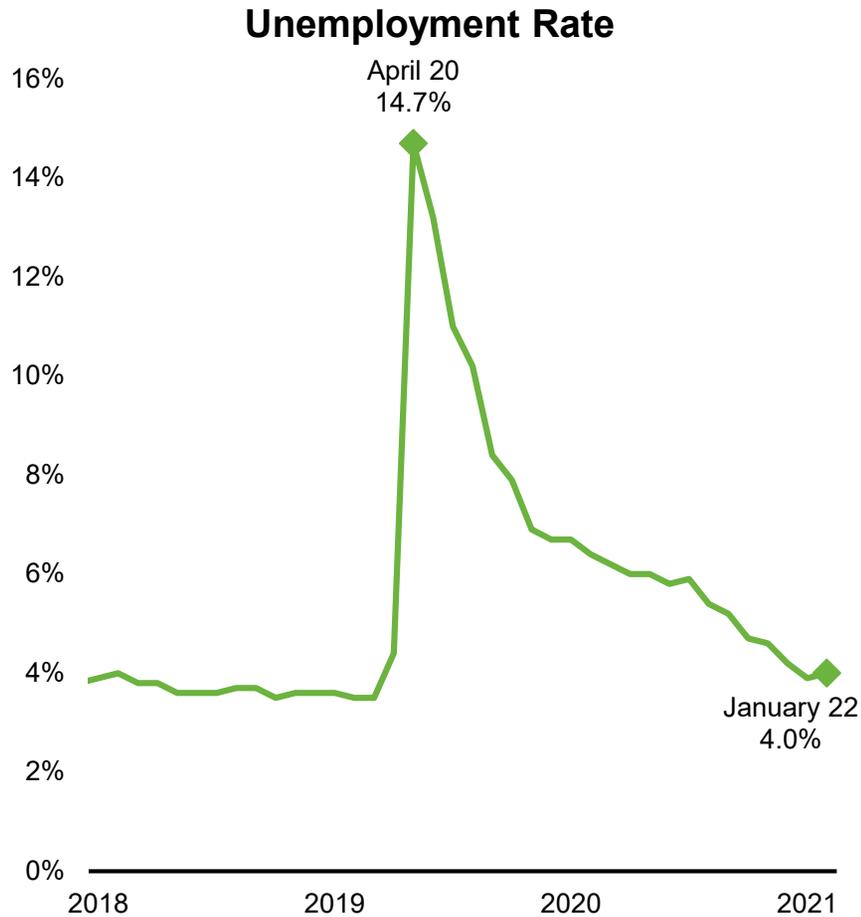
U.S. GDP Expands 6.9% in the Fourth Quarter of 2021 Fueled by the Rebuilding of Inventories



Source: Bloomberg, as of January 2022. Forecast range represents the 25th to 75th percentile of Bloomberg survey forecasts.



Unemployment Falls Below 4% in December

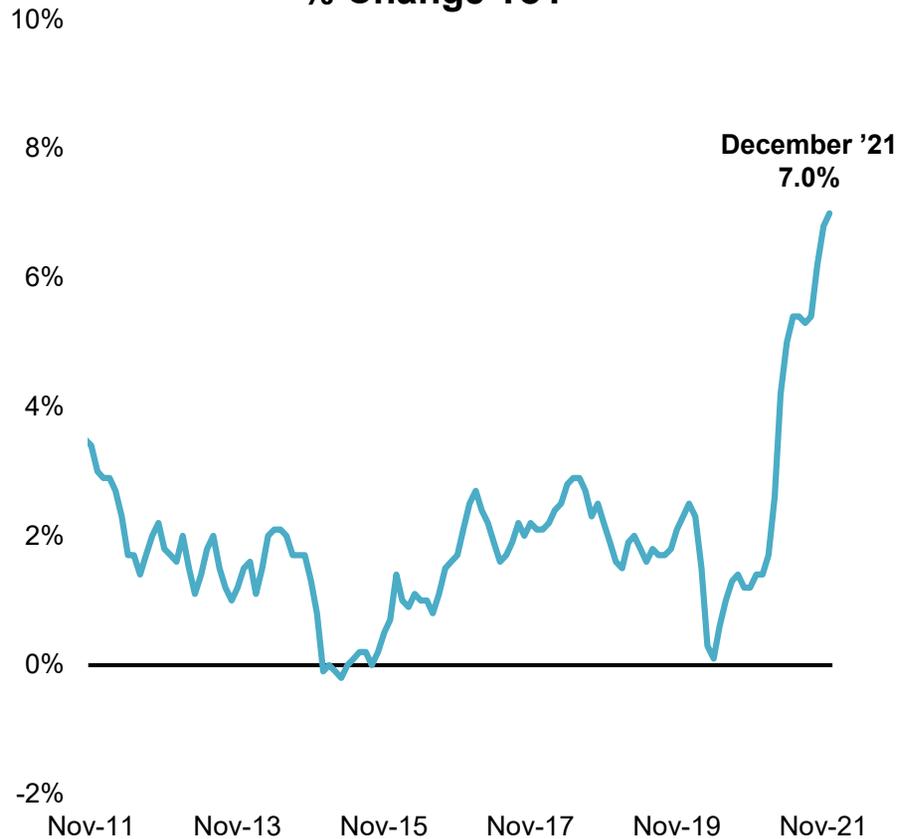


Source: Bloomberg, as of January 2022. Data is seasonally adjusted.

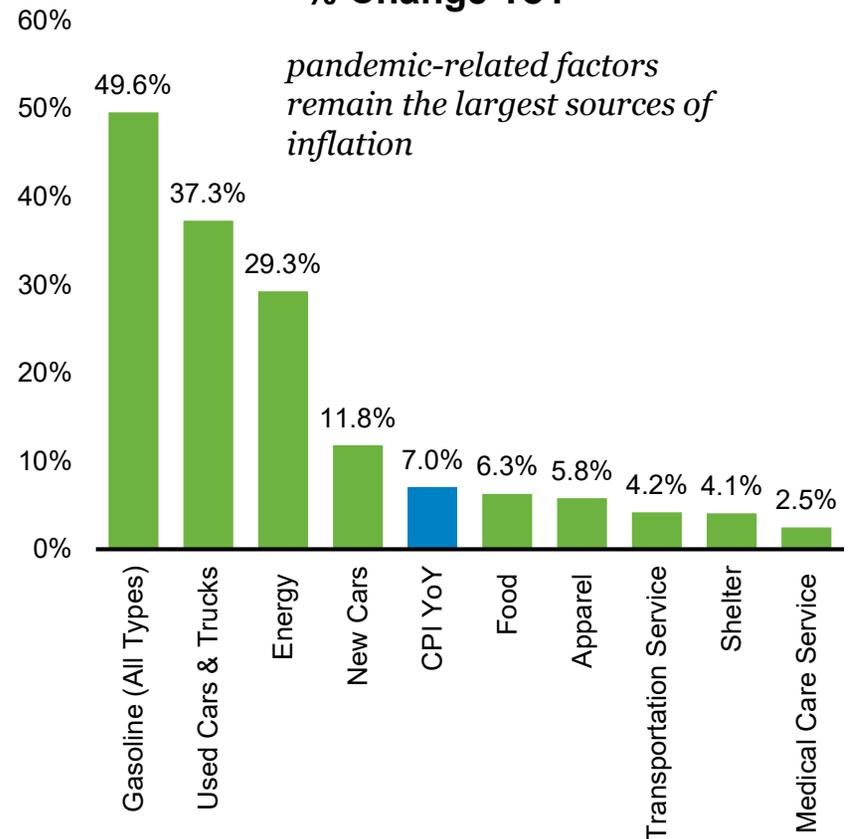


Consumer Inflation Rose at Fastest Rate Since 1982

**Consumer Price Index
% Change YoY**



**Key CPI Components
% Change YoY**

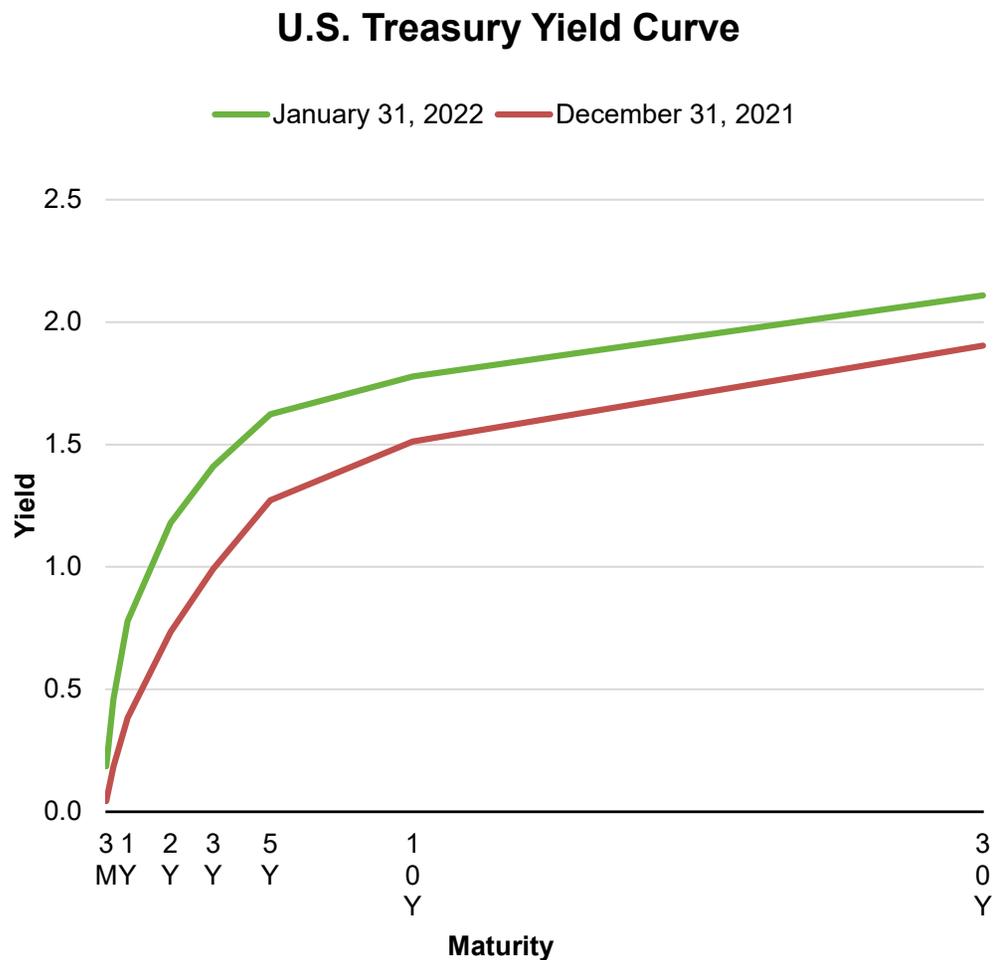


Source: Bloomberg, as of December 2021.



Treasury Yields Are Rising

	12/31/2021	01/31/2022	Change
3 month	0.04%	0.19%	0.14%
6 month	0.19%	0.46%	0.28%
1 year	0.38%	0.78%	0.40%
2 year	0.73%	1.18%	0.45%
3 year	0.99%	1.41%	0.42%
5 year	1.27%	1.62%	0.35%
10 year	1.51%	1.78%	0.27%
30 year	1.90%	2.11%	0.21%



Source: Bloomberg, as of 12/31/2021 and 01/31/2022, as indicated.



Investment advisory services are provided by PFM Asset Management LLC (“PFMAM”), an investment adviser registered with the U.S. Securities and Exchange Commission and a subsidiary of U.S. Bancorp Asset Management, Inc. (“USBAM”). USBAM is a subsidiary of U.S. Bank National Association (“U.S. Bank”). U.S. Bank is a separate entity and subsidiary of U.S. Bancorp. U.S. Bank is not responsible for and does not guarantee the products, services or performance of PFMAM. The information contained is not an offer to purchase or sell any securities. Additional applicable regulatory information is available upon request.

For more information regarding PFMAM’s services or entities, please visit www.pfmam.com.

This material is based on information obtained from sources generally believed to be reliable and available to the public, however PFM Asset Management LLC cannot guarantee its accuracy, completeness or suitability. This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation. All statements as to what will or may happen under certain circumstances are based on assumptions, some but not all of which are noted in the presentation. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Past performance does not necessarily reflect and is not a guaranty of future results. The information contained in this presentation is not an offer to purchase or sell any securities.

CDARS holdings and Bank Deposits are not managed by PFMAM, and therefore we cannot guarantee the accuracy of holdings.

**District of Columbia
Water and Sewer Authority
Capital Improvement Program
Report**



**FY-2022 1st Quarter
October 1st through December 31st, 2021**

**Board of Directors
Finance & Budget Committee**

**David L. Gadis, CEO and General Manager
Kishia L. Powell, Chief Operating Officer**

February 2022

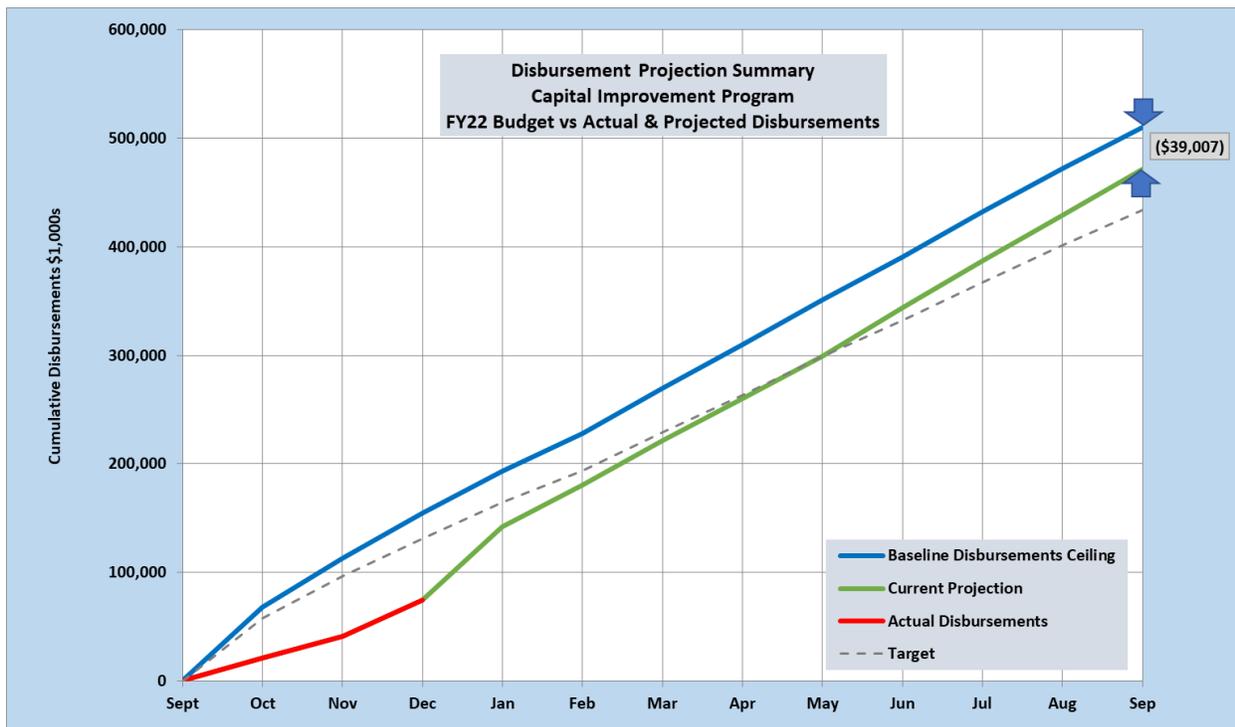


Capital Improvement Program Report 1st Quarter FY2022

CIP Disbursement Performance

Current projected program disbursements through the end of the fiscal year compared with the proposed FY22 baseline budget ceiling are shown in the chart below:

Disbursement Summary



The current projected fiscal year 2022 CIP disbursements are \$471,106,000 through the end of September 2022, which is under the approved baseline ceiling of \$510,112,000.

Current disbursement projections within the service areas are as follows:

Non-Process Facilities

Baseline Disbursements	\$31,439,000
Projected Disbursements	\$27,753,000 (\$3.7M below baseline projection)

Significant project variances are listed below:

- *Facility Land Use Program Area:*



Capital Improvement Program Report 1st Quarter FY2022

- The forecast disbursements for Project HJ – COF Renovations are \$1.4M below baseline. This project was initially put on hold in response to COVID revenue restrictions. The team will likely start on a design concept in FY22 after transitioning the work to the new program manager.

Wastewater Treatment Service Area

Baseline Disbursements	\$85,979,000
Projected Disbursements	\$86,784,000 (\$0.8M above baseline projection)

Significant project variances are listed below:

- *Liquid Processing Program Area – (\$1.5M above baseline)*
 - The forecast disbursements for Project IY – Effluent Filter Upgrade are \$1.0M below baseline due to later than anticipated award of the MFU7 construction contract.
 - The forecast disbursements for Project IZ – Replace/Upgrade Influent Screens are \$1.8M above baseline due to invoices paid in first quarter FY2022 that were anticipated to be paid in the last quarter of FY2021.
- *Plantwide Projects Program Area – (\$2.3M below baseline)*
 - The forecast disbursements for Project TZ – 504I6 - Elec Power Sys - Switchgear are \$1.3M below baseline due to an initial scope change necessitating a change order that impacted the start of the construction contract.
- *Solids Processing Program Area – (\$1.8M above baseline)*
 - The forecast disbursements for Project BX - Gravity Thickener Upgrades Phase II are \$1.8M above the baseline due to the addition of a \$1.5M construction change order, work progressing slightly ahead of baseline projection, an invoice paid in first quarter FY2022 that was anticipated to be paid in the last quarter of FY2021.

For clarity, the Combined Sewer Overflow (CSO) Service Area comments are addressed separately by the CSO and DC Clean Rivers Program Areas:

CSO Program Area

Baseline Disbursements	\$4,919,000
Projected Disbursements	\$4,872,000 (\$47K below baseline projection)

There are no significant project variances for this service area currently projected over the fiscal year

DC Clean Rivers Program Area

Baseline Disbursements	\$147,347,000
Actual Disbursements	\$139,115,000 (\$8.2M below baseline projection)

The DCCR program area is currently projected to be \$8.2M below the baseline forecast. This is primarily due construction progress on the Northeast Boundary Tunnel, where work at surface



Capital Improvement Program Report 1st Quarter FY2022

sites is limited by space, traffic, an uptick in COVID infections, and other factors. Contractor is re-sequencing work to address these challenges. Projected place-in-operation timeframe remains mid-2023, ahead of the March 23, 2025, Consent Decree deadline.

Stormwater Service Area

Baseline Disbursements	\$7,029,000
Projected Disbursements	\$5,908,000 (\$1.12M below baseline projection)

There are no significant project variances for this service area currently projected over the fiscal year.

Sanitary Sewer Service Area

Baseline Disbursements	\$68,086,000
Projected Disbursements	\$55,450,000 (\$12.6M below baseline projection)

Significant project variances for the first quarter are listed below:

- *Interceptor/ Trunk Force Sewers Program Area (\$9.1M below baseline)*
 - The disbursements for Project LZ – Potomac Interceptor Projects – Rehab Phase II are \$4.4M below the baseline. Negotiations over the Phase II design-build contract for Potomac Interceptor Phase 5 Pipe Rehab are taking longer than anticipated and are impacting the contract schedule.
 - The disbursements for Project RA – Major Sewer Assessment and Heavy Cleaning are \$1.3M below the baseline due to a longer than expected procurement period. The work is being repackaged and readvertised.
- *Sanitary On-Going Projects (\$2.5M below baseline)*
 - The disbursements for Project M9 – FY2022 - DSS Sanitary Sewer Projects are currently \$2.5M below baseline. This is within the limits of forecasting accuracy for this program area as the number and size of emergency work is difficult to predict year-on-year.

Water Service Area

Baseline Disbursements	\$165,313,000
Projected Disbursements	\$151,209,000 (\$14.1M below baseline projection)

Significant project variances for the first quarter are listed below:

- *Water Distribution System Program (\$5.4M below baseline)*
 - The disbursements for Project F1 – Small Diameter Water Main (SDWM) Rehab 13 are currently projected to be \$3.3M below the baseline due to multiple SDWM contracts being impacted by DDOT permit issues.



Capital Improvement Program Report 1st Quarter FY2022

- The disbursements for Project F2 – Small Diameter Water Main Rehab 14 are currently projected to be \$2.8M below the baseline due to contract issues including delay in reissuance of an expired permit prior to construction start and SDWM Contracts progress impacted by DDOT restrictions.
- The disbursements for Project FT –Water Mains Phase II are currently projected to be \$1.1M below the baseline. This is due to inoperable valves needed to isolate the flow in order to execute condition assessment activities. Efforts to fix the valves are ongoing.
- *Water On-Going Projects (\$1.2M above baseline)*
 - The disbursements for Project KW – FY2021 - DWS Water Projects, are currently \$1.0M above the baseline. This is within the limits of forecasting accuracy for this program area as the number and size of emergency work is difficult to predict year-on-year.
- *Water Lead Free DC Program Area (\$10.2M below baseline)*
 - The disbursements for the Lead Free DC (LFDC) program are currently projected to be \$10.2M below the baseline. This under spending is directly due to the lower than anticipated participation rates on the Capital Improvement Project and Emergency Repair Replacement (CIPERR) Contracts reducing the corresponding construction spending. The baseline forecast assumed a 90% participation rate, presently the LFDC team is seeing an average of 40% participation per block.



Capital Improvement Program Report 1st Quarter FY2022

Priority 1 Projects (Court Ordered, Stipulated Agreements, etc.)

All priority 1 projects are on schedule and within budget.

Contract Actions Anticipated – 6 Month Look-Ahead

Project	Name	Contract Type	Joint Use?	Cost Range	Committee	BOD
LZ07	Rehab of Potomac Interceptor between MH31 & 30 (190010)	Construction	Yes	\$30M-\$35M	EQ & Ops Feb	Mar
GR00	Small Diameter Watermain Rehab 15D	Construction	No	\$10M-\$15M	EQ & Ops Feb	Mar
IY00	Filter Underdrain and Backwash System Upgrade (DCFA-511)	Design	Yes	\$5M-\$10M	EQ & Ops Feb	Mar
ST00	Lead Service Line Replacement Contract (Voluntary Program) FY23-FY25	Construction	Yes	\$5M-\$10M	EQ & Ops Apr	May
CZ00	Potomac River Tunnel Contract A – Advanced Utility Construction	Construction	Yes	\$5M-\$15M	EQ & Ops Jun	Jul
Multiple	Heavy Cleaning of Major Sewers (220090)	Construction	Yes	\$5M-\$10M	EQ & Ops Jun	Jul
Multiple	Major Sewer Assessments (220080)	Construction	Yes	\$10M-\$15M	EQ & Ops Jun	Jul
Multiple	Water Emergency Infrastructure Repair & Replacement FY23-FY25	Construction	No	\$15M-\$25M	EQ & Ops Jun	Jul
Multiple	Sanitary Sewer Lateral Contract FY23-FY25	Construction	No	\$15M-\$20M	EQ & Ops Jul	Sep



Capital Improvement Program Report 1st Quarter FY2022

Schedule - Key Performance Indicators Capital Improvement Program

Summary:

For the 1st Quarter, all the Key Performance Indicators (KPIs) completed this period were achieved within 90 days of their target date.

#	Performance
4	KPIs completed within threshold
0	KPIs completed outside threshold (>90)
4	Total KPIs completed to date
33	Total KPIs due this year

The table below provides a detailed breakdown of each KPI due date grouped by Quarter:

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q1	GR01	Small Diameter Water Main Rehab. 15A	Construction Start Milestone	15-Dec-21		20-Dec-21	-5	✓
Q1	LZ07	PI Phase 5 Pipe Rehab between MH31 and MH30	Phase II Design-Build NTP	15-Dec-21	28-Mar-22		-103	☐
Q1	DE04	Small Dia Water Main Repl 12B2 (Colonial Village & Bunker Hill)	Construction Substantial Completion	31-Oct-21	31-Mar-22		-156	☐
Q2	F204	Constitution Avenue w/C902/O304	Construction Start Milestone	13-Jan-22		20-Dec-21	23	✓
Q2	GR02	Small Diameter Water Main Rehab 15B	Construction Start Milestone	20-Jan-22	20-Jan-22		0	☐
Q2	DZ05	RC-B Rock Creek GI Project B	Construction Start Milestone (KPI)	23-Jan-22		8-Dec-21	46	✓
Q2	SC01	Main & O Seawall Restoration (Phase 2 HQO)	KPI Design Start Milestone	29-Jan-22	1-May-22		-92	☐



Capital Improvement Program Report 1st Quarter FY2022

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q2	SD01	Main PS Building Modifications - Historic Restoration	KPI Design Start Milestone	29-Jan-22	1-May-22		-92	<input type="checkbox"/>
Q2	QG03	Ft. Stanton Reservoir No. 1 Rehabilitation	Design Start Milestone	1-Feb-22	1-Feb-22		0	<input type="checkbox"/>
Q2	IY10	Filter Underdrain and Backwash System Upgrade (FUBS)	Design Start Milestone	7-Mar-22	7-Mar-22		0	<input type="checkbox"/>
Q2	HE03	Bryant St. Building A & B Demolition	Design Start Milestone	31-Mar-22	1-Apr-22		-1	<input type="checkbox"/>
Q2	HH02	New Sewer Services Headquarters	Construction Substantial Completion	28-Feb-22		20-Oct-21	132	<input checked="" type="checkbox"/>
Q2	IL10	Creekbed Sewer Rehabilitation Rock Creek Oregon Avenue	Construction Substantial Completion	31-Mar-22	30-Jun-22		-90	<input type="checkbox"/>
Q3	IL06	Creekbed Sewer Rehabilitation Fenwick Branch E Beach Dr & Red Bud Lane	Design Start KPI Milestone	1-Apr-22	1-Apr-22		0	<input type="checkbox"/>
Q3	IM05	Creekbed Sewer Rehabilitation Oregon Ave. @ St. Johns	Design Start Milestone	1-May-22	1-May-22		0	<input type="checkbox"/>
Q3	IN02	Rehab of Upper Eastside Interceptor Phase 1	Design Start Milestone	14-May-22	14-May-22		0	<input type="checkbox"/>
Q3	OB01	Inflatable Dams Replacement	Design Start Milestone	31-May-22	31-May-22		0	<input type="checkbox"/>
Q3	U502	4th High Reno WSSC Interconnection	Design Start Milestone	1-Jun-22	1-Jun-22		0	<input type="checkbox"/>
Q3	I302	Biosolids Curing Pad and Solar PV	Design Start Milestone	2-Jun-22	2-Jun-22		0	<input type="checkbox"/>
Q3	RC01	Rehabilitation of RCMI & Beach Drive Sewers	Design Start Milestone Phase II	4-Jun-22	4-Jun-22		0	<input type="checkbox"/>
Q3	GR03	Small Diameter Water Main Rehab 15D	Construction Start Milestone	13-Jun-22	13-Jun-22		0	<input type="checkbox"/>
Q3	DE03	Small Dia Water Main Repl 12C	Construction Start KPI	30-Jun-22	30-Jun-22		0	<input type="checkbox"/>
Q3	F201	Small Diameter Water Main Repl 14A	Construction Substantial Completion	2-May-22	2-May-22		0	<input type="checkbox"/>
Q3	F103	Small Diameter Water Main Repl 13C	Construction Substantial Completion	30-Jun-22	30-Jun-22		0	<input type="checkbox"/>



Capital Improvement Program Report 1st Quarter FY2022

Quarter	Job Code	Job Name	Activity Name	Due Date (Baseline)	Estimated Complete Date	Actual Complete Date	Variance (positive is early)	Met within 90 days
Q4	QS03	Local Sewer Rehab Project 5-3	Design Start Milestone	16-Jul-22	16-Jul-22		0	<input type="checkbox"/>
Q4	NG05	Stormwater Pump Station Rehab - 1st and D	Construction Start Milestone	3-Aug-22	3-Aug-22		0	<input type="checkbox"/>
Q4	OE01	FY15 - Plantwide Storm Drainage Improvements	Construction Start Milestone	8-Sep-22	28-Sep-22		-20	<input type="checkbox"/>
Q4	HX02	Small Diameter Water Main Repl 16B	Construction Start Milestone	23-Sep-22	23-Sep-22		0	<input type="checkbox"/>
Q4	MC01	Sewer System SCADA	Construction Start Milestone	30-Sep-22	30-Sep-22		0	<input type="checkbox"/>
Q4	JZ02	Rehab of the 66" Steel 8th St Low Service Main	Design Start Milestone	30-Sep-22	30-Sep-22		0	<input type="checkbox"/>
Q4	HH01	New Fleet Management Facility	Construction Substantial Completion	30-Jul-22	30-Apr-22		91	<input type="checkbox"/>
Q4	F104	Small Diameter Water Main Repl 13D	Construction Substantial Completion	21-Aug-22	21-Aug-22		0	<input type="checkbox"/>
Q4	I801	Large Valve Replacements 11R	Construction Substantial Completion	30-Sep-22	30-Sep-22		0	<input type="checkbox"/>

Table Key: Positive variance = Finishing earlier than baseline plan **Bold** = Actual Date achieved



The Proposed FY 2023 Budget & Two-Year Rates

Presentation to the Finance & Budget Committees on February 24, 2022

District of Columbia Water and Sewer Authority





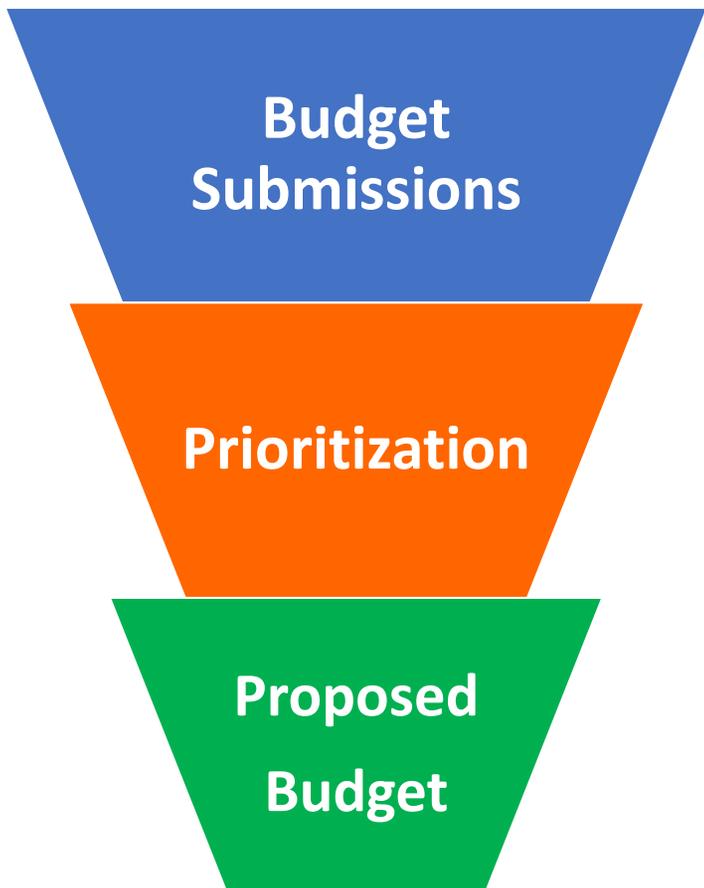
Purpose

- Review the management’s budget proposal
- Obtain committee’s recommendation to the Board on the following:
 - Proposed FY 2023 Operating Budget
 - Proposed FY 2022 – FY 2031 Capital Improvement Program (disbursements and lifetime), including the Proposed FY 2023 Capital Disbursements budget
 - Proposed FY 2023 & FY 2024 Revenues, Rates and Fees
 - Proposed FY 2022 – FY 2031 Financial Plan
 - Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing





The Budget Process



- DC Water’s collaborative budget process helps ensure a decentralized approach that encourages ideas to be brought forward
- The process is guided by the themes and imperatives in Blueprint 2.0, our strategic plan
- Alternative operating and capital budget scenarios, risks and opportunities, and related rate impacts were evaluated by management
- Proposed budgets and rates are prioritized to balance what we ask from our customers with needs to deliver high quality water services in a safe, environmentally friendly, and efficient manner





10-Year Capital Program (CIP) Options Compared

Service Area	Approved Baseline \$4.9B (\$5.4B total**)	Proposed Baseline \$5.8B (\$6.4B total**)	Fully Funded \$6.6B (\$7.4B total**)
Clean Rivers	Fully funded to meet Consent Decree	Fully funded (added \$233M) to meet Consent Decree	Fully funded to meet Consent Decree
Wastewater	Fully funded to meet NPDES Permit and established levels of service	Fully funded to meet NPDES Permit and established levels of service	Fully funded to meet NPDES Permit and established levels of service
Stormwater*	Fully funded	Fully funded	Fully funded
Water			
Pump Stations & Storage Facilities	Generally funded	Generally funded	Fully Funded
Small Diameter Water Mains	Funded to ramp up to 1.5% per year replacement level from FY2028 onwards. [16.5 mi/year]	Funded to ramp up to 1.5% per year replacement level from FY2028 onwards. [16.5 mi/year]	Fully funded to ramp up to 2% replacement level [22 mi/year]
Large Diameter Water Mains	Generally funded	Generally funded	Fully Funded
Lead Free DC Program	Underfunded – FY2022 LFDC program fully funded, FY2023-2030 funded for Voluntary Program and LSRs in SDVWMs only	Fully funded to meet goal LFDC by 2030	Fully funded to meet goal LFDC by 2030
Sewer			
Pump Stations	Fully funded	Fully funded	Fully funded
Sewer Lines < 60” diameter	Funded to ramp up to 1% per year rehabilitation level [17.5 mi/year] by FY2024	Funded to ramp up to 1% per year rehabilitation level [17.5 mi/year] by FY2024	Fully funded to ramp up to 2.3% rehabilitation level [40 mi/year]
Sewer Lines ≥ 60”	Generally Funded	Generally Funded	Fully funded
Non-Process	Fully funded	Fully funded	Fully funded

‘Generally Funded’ = What we know or expect to find can be rehabilitated **‘Underfunded’** = What we know or expect to find is not all funded

‘Fully Funded’ = All needs known or expected are met

*Vertical Stormwater assets

** Total = Capital Projects, Capital Equipment & Washington Aqueduct



Full Funding

- Fully funding operating and capital budget needs would add about \$130 million in annual spending
 - \$100 million would be added each year to expand the capital program (“Fully Funded” option)
 - Accelerate projects in the 10-year CIP to implement deferred critical infrastructure projects for improvement of the sanitary sewer system and service reliability
 - Fully fund (\$100 million over ten years) Washington Aqueduct’s critical infrastructure rehabilitation needs
 - Fund an additional \$10 million of capital equipment each year, would accelerate fleet replacement program and undertake major/large IT projects over ten years
 - \$30 million annual increase to the operating budget would fully fund existing vacancies; fund additional headcount to support operations & maintenance, fleet and facilities management, customer care and cyber resilience, CIP delivery and succession planning needs; and meet funding requirements for electricity and chemical costs
 - Cash reserves would increase to meet the days of cash requirements
 - Full funding would increase customer rates (average residential household) by 18.5%, or an additional 12.5% in FY 2023 and an additional 2.0% over the 5.4% recommendation in FY 2024





0% Rate Increase Scenario

- Without a rate increase, revenues would *fall by approximately \$9 million* from FY2022 and about *\$480 million* over the ten-year financial plan as costs continue to increase in FY2023
 - Operating costs including personnel agreements, chemicals, and utilities
 - Debt service costs associated with upcoming \$400 million transaction
- Impact would be immediate freeze on hiring and layoff planning
 - More than 200 filled positions would be in danger of elimination leaving staffing shortages in mission critical operations of DC Water
 - Significant customer impacts include extended service disruptions due to water main breaks, delayed hydrant repairs, and delays in addressing sewer related issues and other critical infrastructure failures





0% Rate Increase Scenario

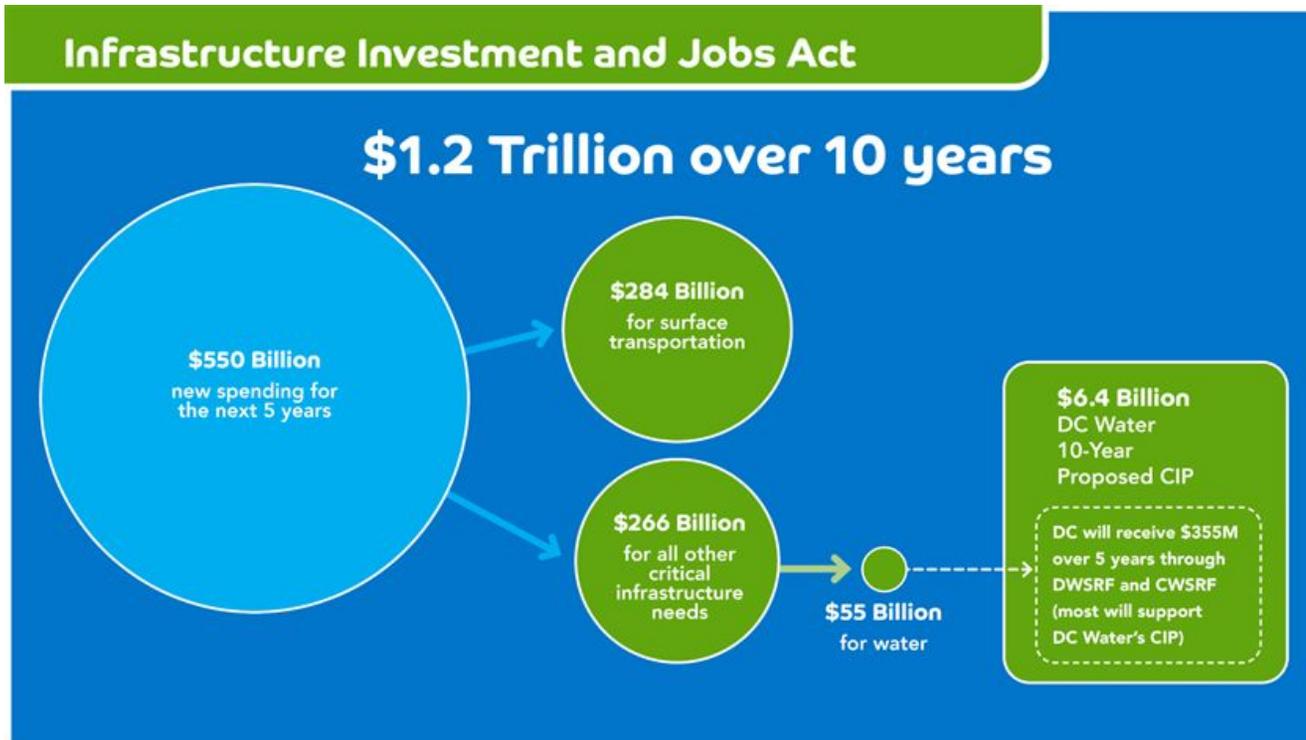
💧 Deferral of:

- Capital equipment purchases for fleet and other major equipment necessary to maintain critical infrastructure systems
- Critical maintenance for Blue Plains, Pump Stations, water distribution system, and sewer system which could result in failures
- Deferred maintenance, compliance risks and operations and maintenance staffing shortages at Blue Plains Advanced Resource Recovery Facility; the world's largest facility of its kind
- Inability to meet capital program contribution requirements for critical improvements at Washington Aqueduct including water treatment, storage, and large diameter water transmission mains that cross the District

- 💧 Incremental rate scenarios would have similar impacts on operations and the capital program
- 💧 Many expenditure categories are “fixed” (like energy, utilities, and chemicals)
 - Budget reductions would be first made to personnel (hiring) and to the capital program
 - Planned improvements to the sewer system would be the first areas targeted for reductions



Infrastructure Investment and Jobs Act



- Funds anticipated are incorporated in the financial and capital plans, and the proposed and forecasted rates
- Dollars anticipated over the five-year period will fund less than a year of DC Water's capital costs



Budget Recommendations



Proposed FY 2023 Budget

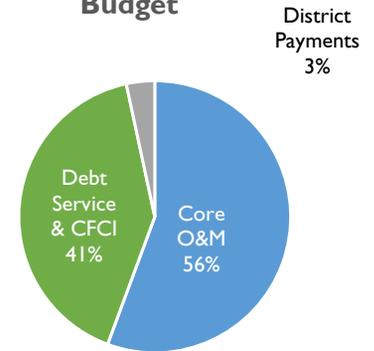
Proposed Operating Budget of \$686.4 million

- Operations and Maintenance (O&M) budget of \$382.0 million for personnel and non personnel
- Debt Service budget of \$234.7 million and Cash Financed Capital Improvements budget of \$46.7 million
- PILOT & ROW payments to the District of \$23.1 million

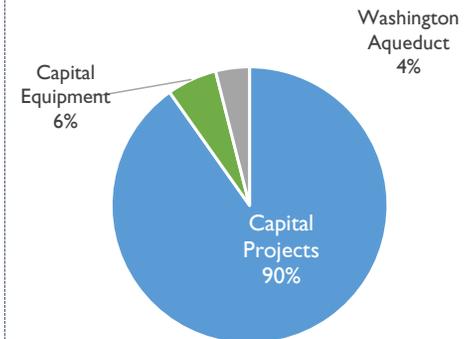
Proposed 10-year Capital Budget of \$6.4 billion

- Capital Projects – \$5.79 billion for mandated projects, equipment upgrades and rehabilitation at Blue Plains, and continues investments in the aging water and sewer infrastructure
- Capital Equipment – \$375.3 million for equipment including pumps, motors, meters, backhoes, jet-vacs, catch basin trucks and other aged vehicles to meet operational needs and information technology projects
- Washington Aqueduct (WAD) – \$253.8 million for DC Water’s share of WAD’s capital program improvements

FY 2023 Operating Budget



10-year CIP





Multi-Year Rate Proposal for FY 2023 and FY 2024

💧 Rates and charges that remain the same:

- Customer Metering Fee remains at \$7.75 for 5/8” meters
- Water System Replacement Fee (WSRF) at \$6.30 for 5/8” meters
- Right-of-Way Fee at \$0.19 per Ccf

💧 Proposed rate changes:

- Water and sewer rates increase 9.50% for FY 2023 and 3.25% for FY 2024
- Proposed CRIAC of \$18.14 per ERU in FY 2023 and \$21.86 per ERU in FY 2024
- PILOT Fee for FY 2023 and FY 2024 will increase by \$0.03 and \$0.02 per Ccf respectively
- Proposed Groundwater Rate of \$3.42 for FY 2023 and \$3.50 for FY 2024
- Proposed High Flow Filter Backwash Sewer Rate of \$3.21 for FY 2023 and \$3.30 for FY 2024

💧 Cost of Service Study aligned with rate proposal

💧 Combined rate increases lower than last year’s forecast

Change in Average Household Charge	Fiscal Year	
	2023	2024
Recommendation	6.0%	5.4%
Previous Forecast	6.7%	8.8%



DC Water Budget Overview FY2022-2031 Proposed Capital Investments of \$6.4 billion



Fully Funds DC Clean Rivers and other CSO projects to meet Consent Decree requirements



\$375.3

Invests in process equipment, specialized vehicles, and information technology infrastructure; establishes funding for the innovation program

Invests in the Aqueduct's capital infrastructure



\$102.2 million



Constructs the new Fleet and Sewer Facilities, renovates the Historic Main Pump Station, and restores the Main & O campus seawall



\$629.3M to remove all lead service lines by **2030**

Continues investment in Water & Sewer infrastructure



\$1.2 billion

Ramps up to 1.5% replacement for small diameter water mains per year in FY 2028 and beyond



\$1.4 billion

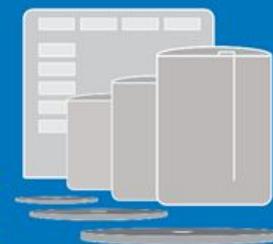
Ramps up to 1.0% rehabilitation for small sewer lines per year in FY 2024 and beyond



Improves stormwater pump stations to relieve local flooding

\$1.2 billion

Funds rehabilitation and upgrades at Blue Plains



DC Water Budget Overview

FY 2023 Operating Budget of \$686.4 million

\$186.2 million

Pays the salaries, benefits and overtime of 1315 employees, including 73 new positions (to drive efficiency, expand programs and achieve savings), 14 apprentices, and Summer Internship Program



\$3.3 million

Expands various strategic programs including Enterprise Risk Management, Diversity, Equity & Inclusion, organizational assessment and leadership, and government affairs coverage



\$23.1 million

PILOT & ROW payments to the District



\$82.6 million

Funds core operations like infrastructure maintenance and repairs, strategic programs, software technology, legal, compliance, insurance, credit card fees and biosolids hauling services



\$0.7 million

Continues the Backwater Valve Program for the installation of backwater valves on private properties in response to the September 10, 2020, storm event

\$281.4 million

Other non-operational needs for debt service and Paygo for the capital program

paygo



\$106.1 million

Funds fixed and nondiscretionary costs for chemicals, supplies, water purchase, and utilities



\$1.3 million

Funds the maintenance of the Green Infrastructure (GI) facilities to manage stormwater



\$1.7 million

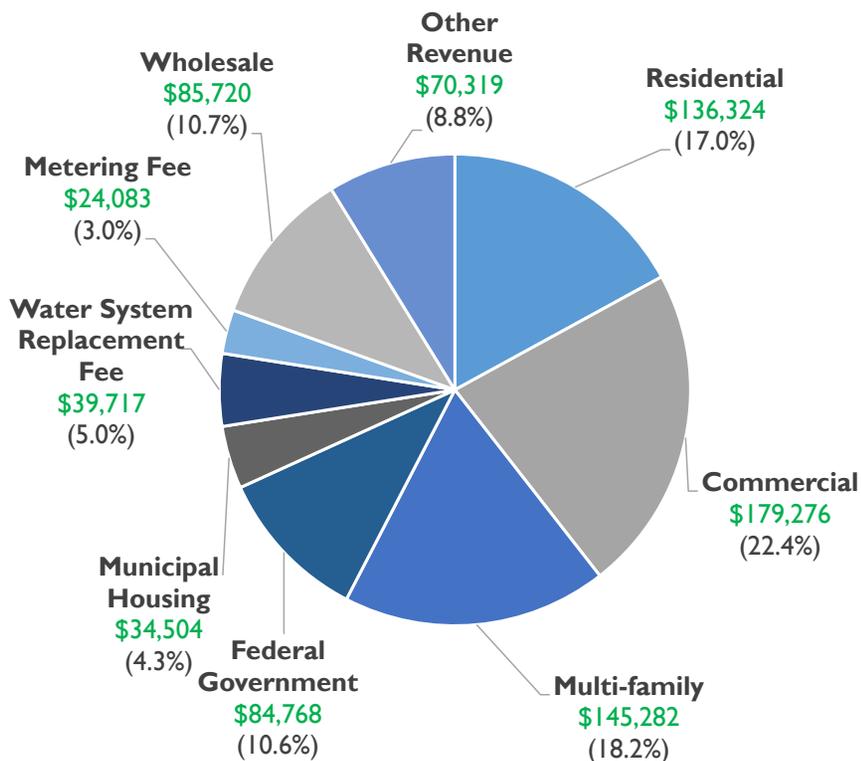
Implements a new customer assistance program to repair property side leaks impacting water bills and expands the budget for the Customer Assistance Program



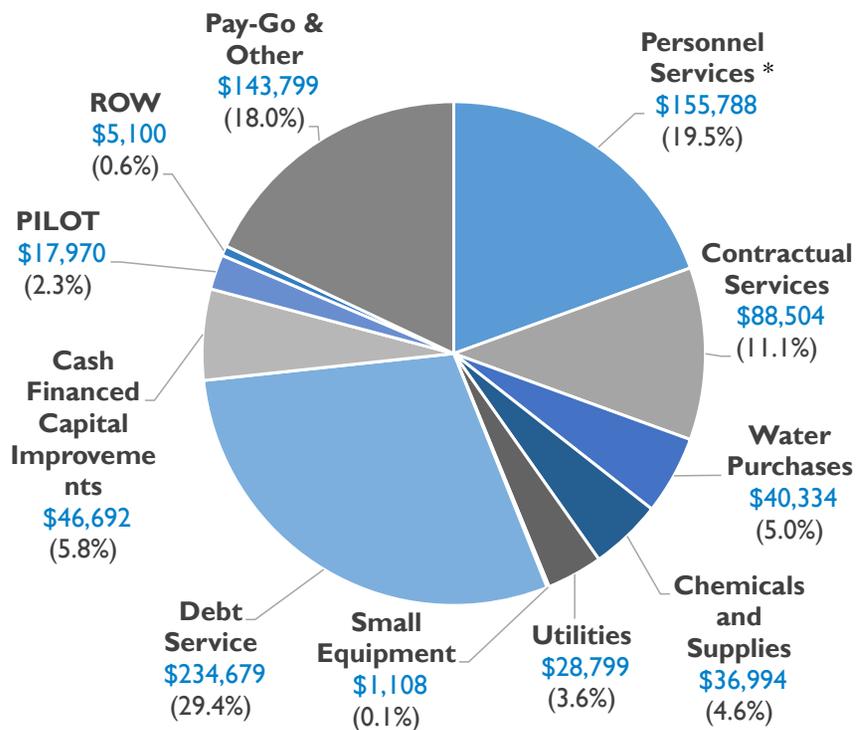
FY 2023 Operating: Sources and Uses of Funds

\$ in thousands

Sources - \$800.0 Million



Uses - \$800.0 Million



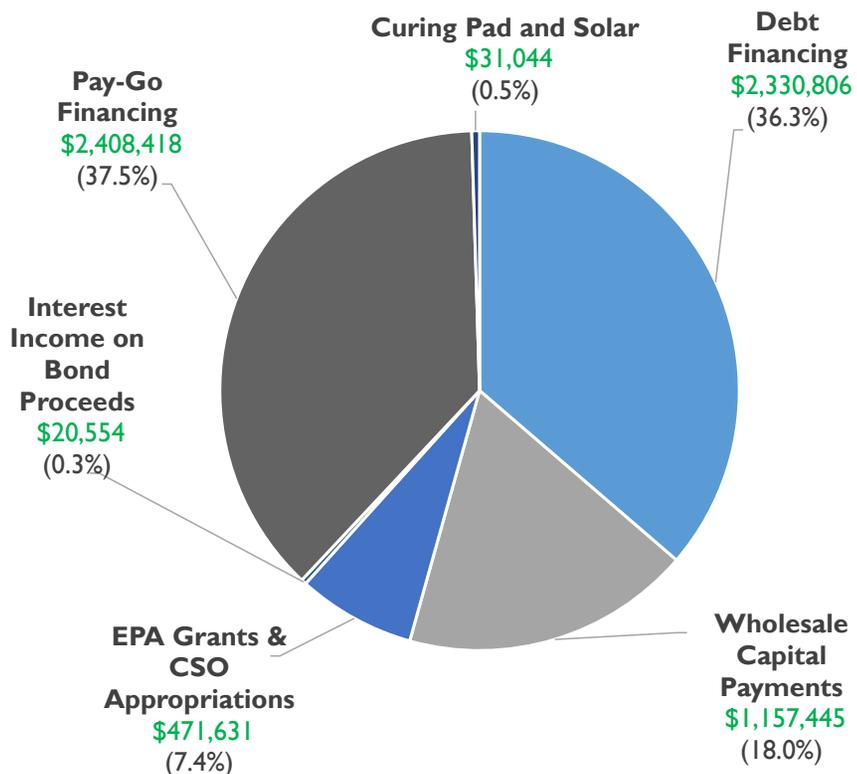
* Personnel Services excludes capital labor charges



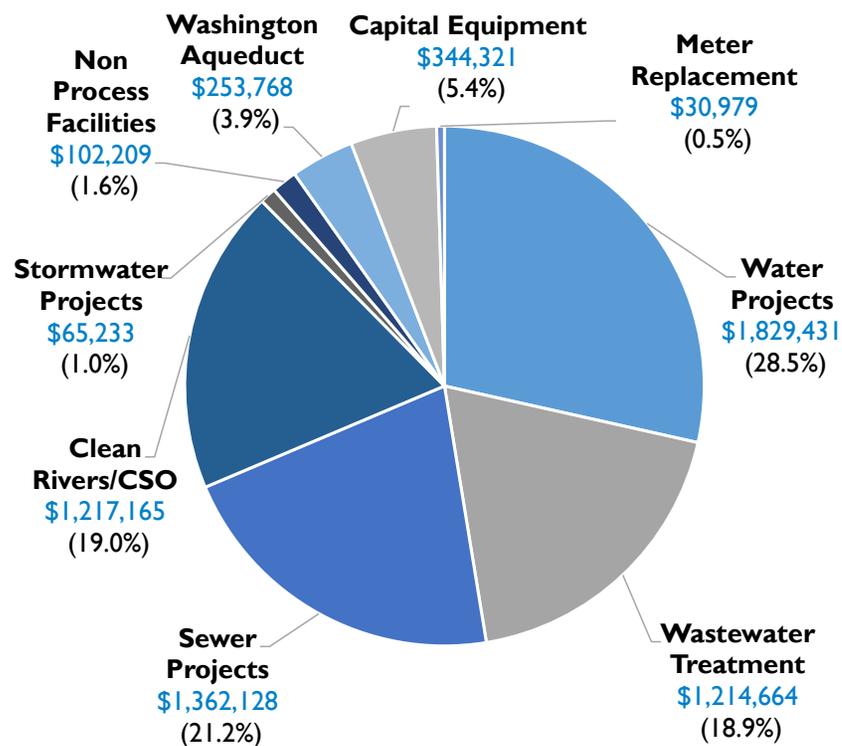
Ten Year CIP: Sources and Uses of Funds

\$ in thousands

Sources - \$6.42 Billion



Uses - \$6.42 Billion





Budget & Rates Adoption Calendar

Timeline (2022)	Activity	Status
January 6	Budget Workshop with Board of Directors	✓
January 7	Wholesale Customer Briefing	✓
Committee Discussions & Reviews		
January 20	Environmental Quality & Operations	✓
January 25	Joint DC Retail Water & Sewer Rates and Finance & Budget Committee	✓
February 3	Board Meeting (No Board Action Required)	
Committee Reviews, Recommendations & Actions		
February 17	Environmental Quality & Operations	✓
February 22	DC Retail Water & Sewer Rates	✓
February 24	Finance & Budget	
March 3	Board Adoption	
April	Submit Budget via the District to U.S. Congress	
March – May	Public Outreach and Public Hearing	
July 7	Board Adoption of Two-year Rate Proposal	
October 1	Fiscal Year 2023 Begins	



Capital Program and Operating Expenditure



Operating Budget

- 💧 Total Operations & Maintenance expenditure is projected to increase by \$15.3 million or 4%
- 💧 Overall Operating Expenditure is projected to increase by \$28 million or 4%

(\$000's)	FY 2019			FY 2020			FY 2021			FY 2022		FY 2023		(Increase)/ Decrease	
		Actual		Actual		Actual	Approved		Proposed	\$		%			
Regular Pay	\$	115,735	\$	116,494	\$	120,589	\$	132,173	\$	137,044	\$	(4,872)	-4%		
Benefits		34,073		35,930		36,838		40,038		40,960		(923)	-2%		
Overtime		8,171		6,820		7,606		8,143		8,218		(75)	-1%		
Total Personnel Services		157,979		159,244		165,032		180,353		186,223		(5,869)	-3%		
Chemical and Supplies		34,979		28,659		34,244		34,201		36,994		(2,793)	-8%		
Utilities		25,778		24,705		27,329		27,328		28,799		(1,470)	-5%		
Contractual Services		76,206		74,503		73,576		88,504		88,504		(0)	0%		
Water Purchases		32,430		31,696		33,135		35,217		40,334		(5,117)	-15%		
Small Equipment		731		806		617		1,108		1,108		(0)	0%		
Total Non-Personnel Services		170,124		160,369		168,901		186,359		195,739		(9,381)	-5%		
Total Operations & Maintenance		328,103		319,613		333,933		366,711		381,962		(15,251)	-4%		
Debt Service		193,035		199,056		204,878		231,164		234,679		(3,515)	-2%		
PILOT & ROW		21,702		22,034		22,372		22,718		23,070		(352)	-2%		
Cash Financed Capital Improvements		26,999		28,556		30,355		37,830		46,692		(8,862)	-23%		
Total Non-O&M		241,736		249,646		257,606		291,712		304,441		(12,729)	-4%		
Total Operating Expenditure		569,839		569,259		591,539		658,423		686,403		(27,980)	-4%		
Capital Labor Charges		(17,588)		(24,906)		(23,395)		(25,086)		(30,435)		5,349	-21%		
Net Operating Expenditure	\$	552,251	\$	544,353	\$	568,144	\$	633,337	\$	655,968	\$	(22,631)	-4%		



Proposed FY 2023 Additional Positions

Below are the additional FTEs proposed in the FY 2023 budget. These have been partially funded at \$5.5 million to account for transition of work in-house and projected recruitment timeline and activities. The annualized costs will be included in future personnel budget.

Cluster	New FTE(s)	FY2023 Funding	Program
Information Technology	6	\$900K	• Reduce reliance on consultants for various professional services (Helpdesk, Quality Assurance, BI & Integrations, Project Management Office)
Shared Services	3	\$228K	• Oversee safety compliance and training programs and PM for various capital projects
Blue Plains	4	\$304K	• Support Bloom production (equipment operators) • Process and system data analysis • Support in-house program management functions
Pumping Services	2	\$140K	• SCADA support and Potomac Interceptor coordination
Water Services	13	\$627K	• Expand the fire flow testing and valve preventative maintenance programs
Watershed Management	2	\$172K	• Oversee Green Infrastructure program and manage the construction activities for the tunnels
Engineering	39	\$2.5M	• Asset Management, SDWM, and Large Diameter Linear Assets programs • Reduce reliance on consultants for routine program management & construction services • Establish an in-house cost estimating team and support P6 tool
Strategy & Performance	1	\$159K	• Support the newly established Enterprise Risk Management function
People & Talent	2	\$316K	• HR Systems Support & Recruiting
Finance & Procurement	1	\$162K	• Reduce reliance on consultants for day-to-day budget activities
Total	73	\$5.5M	



FY 2023 vs. FY 2022 Operating Budget Variances

- 💧 **Personnel Services** – \$5.9 million increase mainly for salaries and employee health benefits costs for 1315 FTEs. Includes partial funding for 73 new positions (to drive efficiency, expand programs and achieve savings) and provides funding for the career workforce advancement program for existing employees, apprenticeship program and Summer Internship Program. Overtime costs are relatively flat compared to the FY 2022 approved level
- 💧 **Chemicals & Supplies** – \$2.8 million increase in fixed costs for major chemicals (methanol, sodium bisulfite and ferric chloride) used in the wastewater treatment process and parts and supplies needed for the maintenance of equipment and various facilities
- 💧 **Utilities** – \$1.5 million increase mainly in electricity (and includes onsite electric generation of 6.5MW from the CHP) based on prevailing and projected market prices and increased water usage on the Plant
- 💧 **Water Purchase** – \$5.1 million increase reflects approximately 75% of the Aqueduct’s projected operating costs, including DC Water’s share of the McMillan Sewer backwash (\$3.3 million) with offsetting revenue opportunity
- 💧 **Contracts** – Relatively flat. DC Water continues to hold the line on its overall contractual services budget at \$88.5 million for the third consecutive year since the FY 2021 Board-approved levels
- 💧 **Small Equipment** – Budget is flat and is mainly for the purchase of small items such as office equipment, cameras, appliances and tools and rental of postage machines
- 💧 **Non O&M** - \$8.9 million increase in debt service costs, \$7.5 million increase in Cash Financed Capital Improvements (CFCI) for PAYGO and \$0.3 million for PILOT consistent with the MOU with the District



Budget Risks

- 💧 **COVID-19 Impacts**
- 💧 **Personnel** - Overtime during emergencies, increased healthcare cost, lower than anticipated vacancy rate, and other leave adjustments typically funded by vacancies
- 💧 **Chemicals** - Market volatilities, unit prices, rain events, process optimization
- 💧 **Utilities** - Market volatilities, onsite energy optimization, solar project output & timeline
- 💧 **New Facilities** - Parts, equipment, and maintenance requirement for tunnels and new facilities for Fleet Services and Sewer Services
- 💧 **Biosolids/BLOOM** - Hauling/marketing of 60,000 tons
- 💧 **Litigation & Insurance** - Impacts of unanticipated legal cases and insurance policy requirements





Operating Revenues



Multi-Year Rate Plan Considerations

- 💧 DC Water recovers only the funds necessary to fund the Operating and Capital Budgets through rates
- 💧 One of the fastest growing expenditure category is debt service for the capital program, which has grown an average of 6.5% a year since 2016
- 💧 As part of the budget, DC Water presents the rates required to support the CIP and forecasted operating expenditures
 - Rates are reviewed and approved by the DC Water Board every two years
 - The financial plan, including the forecast of rates, is proposed to the Board for consideration
- 💧 Customer Assistance Programs provide discounts for residential customers
 - Income requirements for those programs every year
 - In FY 2021 the discount was increased for customers in the CAP program to ensure that rates comprised a lower portion of household income





Proposed Revenues, Rates and Fees

Proposed Operating Revenues, Rates and Fees

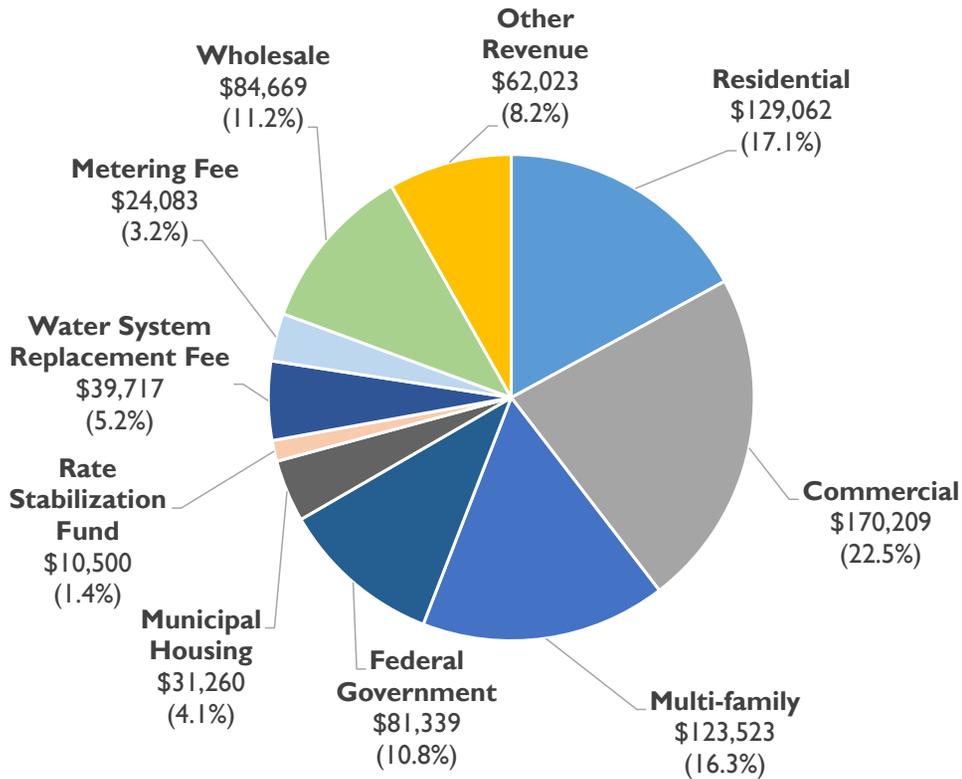
- Combined rate increases are lower than forecasted from last year - decrease from 6.7% to 6.0% for FY 2023 and 8.8% to 5.4% for FY 2024
 - *Holding the line on operating costs and achieving debt service costs means we can ask less from our customers*
- Customer Assistance Programs budget enhanced by \$0.5 million to support increased program participation
- DC Water Cares (MAP and RAP) extended into FY 2022
- Customer Metering Fee and Water System Replacement Fee (WSRF) remains the same
- Proposed CRIAC of \$18.14 per ERU in FY 2023 and \$21.86 per ERU in FY 2024
 - Continues the CRIAC “shift” - 37% of Clean Rivers costs are allocated to the sewer volumetric date
- Water and sewer rates increase of 9.50% for FY 2023 and 3.25% for FY 2024



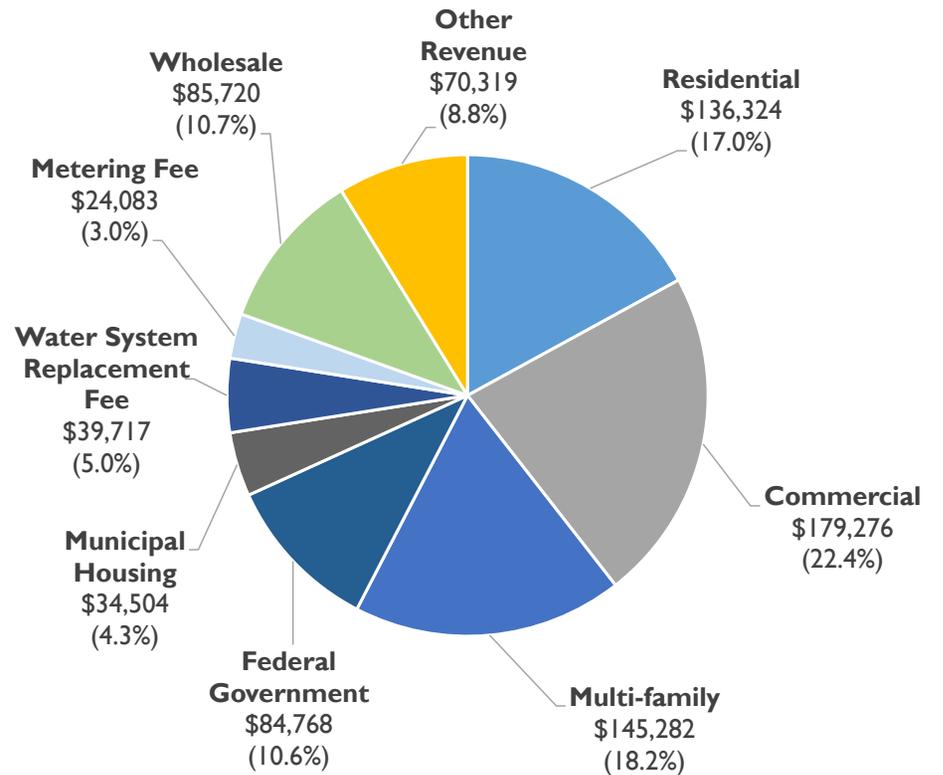
FY 2022 vs. FY 2023 Operating Revenues

\$ in thousands

Adopted FY 2022
\$756.4 million



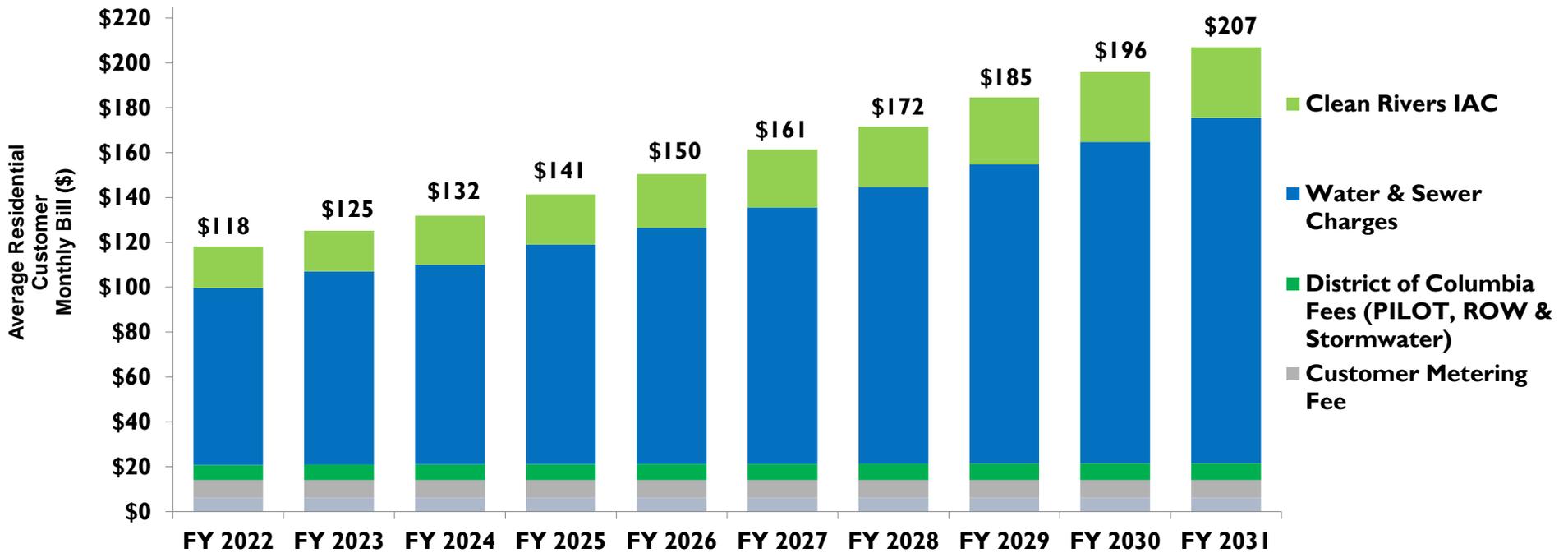
Proposed FY 2023
\$800.0 million





Projected Average Residential Customer Bill

Projected average monthly residential customer bill ranges from \$118 in FY 2022 to \$207 in FY 2031



* Assumes average residential consumption of 5.42 Ccf, or 4,054 gallons, per month. Ccf = hundred cubic feet, or 748 gallons



Revenue Comparison by Customer Class

- 💧 Total revenue is projected to increase by \$43.6 million or 5.8% for FY 2023 and \$27.7 million or 3.5% for FY 2024 mainly due to rate increases
 - *Retail Revenue* – Increase by \$44.8 million or 7.5% in FY 2023 and \$22.0 million or 3.4% in FY 2024
 - *Wholesale Revenue* – Increase by \$1.1 million or 1.2% in FY 2023 and increase by \$3.4 million or 4.0% for FY 2024 mainly due to 3.0 percent escalation. Revenue estimates are based on most recent flow data

\$ in thousands	Approved FY 2022	Proposed FY 2023	Proposed FY 2024	FY 2023 vs FY 2022		FY 2024 vs FY 2023	
				Incr/(Decr)		Incr/(Decr)	
				\$	%	\$	%
Retail Revenue	\$599,193	\$643,954	\$665,949	\$44,761	7.5%	\$21,995	3.4%
Wholesale Revenue							
Potomac Interceptor (PI)	3,547	3,547	3,547	-	0.0%	-	0.0%
Loudoun County Sanitation Authority (LCSA)	6,897	7,409	7,724	512	7.4%	315	4.3%
Washington Suburban Sanitary Commission (WSSC)	59,049	60,599	63,109	1,550	2.6%	2,510	4.1%
Fairfax County*	15,176	14,165	14,762	(1,011)	-6.7%	597	4.2%
Total Wholesale Revenue	\$84,669	\$85,720	\$89,142	\$1,051	1.2%	\$3,422	4.0%
Other Revenue	62,023	70,319	72,614	8,296	13.4%	2,295	3.3%
Rate Stabilization Fund	10,500	-	-	(10,500)	-100.0%	-	0%
Total Revenues	\$756,385	\$799,993	\$827,705	\$43,608	5.8%	\$27,712	3.5%

* The reduced revenues for Fairfax reflects decrease in percentage flow in 2021 (9.16%) as compared to 9.78% that was used in FY22 approved budget last year. Most recent flow that is available at the time of preparing the projections is used to estimate revenue. However, actual costs will be distributed, and revenues recouped using actual flows for FY 2023 and FY 2024.



Financial Plan



Financial Metrics

Metrics	Indenture Requirement	Board Policy	Management Target	Financial Plan
Days of Cash on Hand (excluding RSF)	60 days	250 Days	—	250 - 253 Days
Combined Coverage Ratio	—	1.6X	—	1.85X – 2.04X
Senior Coverage	1.2X	—	—	5.39X – 7.67X
Subordinate Coverage	1.0X	—	—	2.16X – 2.54X
Debt Service as a % of Revenue	—	—	33% of Revenue or Less	29.5% - 33.0%
Rate Stabilization Fund (RSF)	—	—	—	



Ten-Year Financial Plan

\$ in thousands

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
OPERATING										
Retail*	\$ 622,165	\$ 667,024	\$ 689,378	\$ 735,355	\$ 778,670	\$ 830,705	\$ 879,018	\$ 939,516	\$ 991,672	\$ 1,041,654
Wholesale*	84,669	85,720	89,142	91,817	94,571	97,408	100,330	103,340	106,440	109,634
Other	41,153	47,249	49,184	51,608	55,781	60,678	59,678	58,527	58,854	59,895
RSF	52,100	-	-	-	-	-	-	-	-	-
Operating Receipts ⁽¹⁾	\$ 800,087	\$ 799,993	\$ 827,705	\$ 878,779	\$ 929,022	\$ 988,791	\$ 1,039,026	\$ 1,101,383	\$ 1,156,967	\$ 1,211,182
Operating Expenses	(364,345)	(374,597)	(386,094)	(398,023)	(409,935)	(422,213)	(434,869)	(447,914)	(461,361)	(475,221)
Debt Service	(223,513)	(234,679)	(245,482)	(272,262)	(289,036)	(311,322)	(338,312)	(358,587)	(367,280)	(374,011)
Cash Financed Capital Improvement	\$ (37,830)	\$ (46,692)	\$ (48,256)	\$ (58,828)	\$ (70,080)	\$ (74,763)	\$ (79,112)	\$ (84,556)	\$ (89,251)	\$ (93,749)
Net Revenues After Debt Service	\$ 174,400	\$ 144,025	\$ 147,872	\$ 149,666	\$ 159,971	\$ 180,492	\$ 186,733	\$ 210,326	\$ 239,076	\$ 268,202
Operating Reserve-Beg Balance	196,286	235,600	242,600	251,600	261,600	266,600	276,600	284,600	293,600	300,600
Other Misc (Disbursements)/Receipts										
Wholesale/Federal True Up	(8,460)	(9,188)	(4,500)	-	-	-	-	-	-	-
Project Billing Refunds	-	-	-	-	-	-	-	-	-	-
Transfers To RSF	-	-	-	-	-	-	-	-	-	-
Pay-Go Financing	(126,625)	(127,837)	(134,372)	(139,666)	(154,971)	(170,492)	(178,733)	(201,326)	(232,076)	(259,202)
Operating Reserve - Ending Balance	\$ 235,600	\$ 242,600	\$ 251,600	\$ 261,600	\$ 266,600	\$ 276,600	\$ 284,600	\$ 293,600	\$ 300,600	\$ 309,600
Rate Stabilization Fund Balance RSF ⁽²⁾	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)						
Senior Debt Service Coverage	589%	539%	646%	707%	681%	649%	666%	719%	724%	767%
Combined Debt Service Coverage	201%	187%	188%	185%	188%	190%	186%	189%	196%	204%
Actual/Projected Water/Sewer Rate Increases	7.8%	9.5%	3.3%	10.0%	7.5%	8.5%	8.0%	8.0%	7.5%	7.5%
*Operating Receipts \$ Increase/Decrease										
Retail	37,277	44,859	22,354	45,976	43,315	52,036	48,313	60,498	52,156	49,981
Wholesale	1,682	1,051	3,422	2,674	2,754	2,837	2,922	3,010	3,100	3,193
*Operating Receipts % Increase/Decrease										
Retail	6.4%	7.2%	3.4%	6.7%	5.9%	6.7%	5.8%	6.9%	5.6%	5.0%
Wholesale	2.0%	1.2%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

⁽¹⁾ Includes interest earnings on senior lien revenue bonds' debt service reserve fund

⁽²⁾ FY 2023 planned transfer of \$0.0 million to Rate Stabilization Fund and \$0.0 million utilization will keep the total fund balance at \$35.644 million.

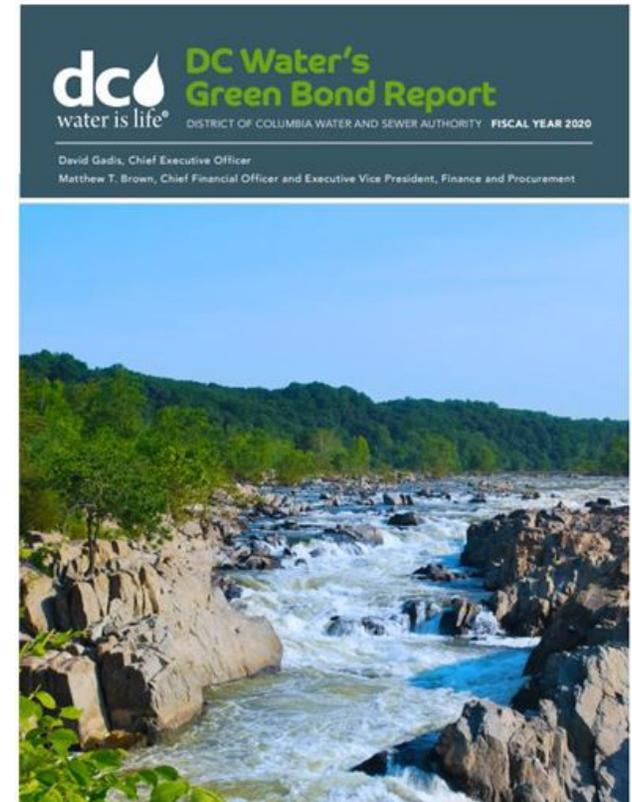


Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing



Intent to Reimburse Capital Expenditures

- Approval to reimburse DC Water for “Costs of the System” as defined in the Master Indenture; allows DC Water to reimburse itself for capital expenditures with debt proceeds
- For FY 2022 and FY 2023 amount requested is \$599 million; DC Water has three years from the time of the last expenditure to make the reimbursement
 - Reductions in capital spending due to COVID-19, delayed DC Water's access to enter the market in 2021
 - Borrowing for FY 2022 and FY 2023 was combined for approximately \$599 million
- As part of the request to issue a specific series of debt in the future, the Board will be asked to adopt a specific resolution that confirms the intent for the actual amount financed with actual reimbursed expenses





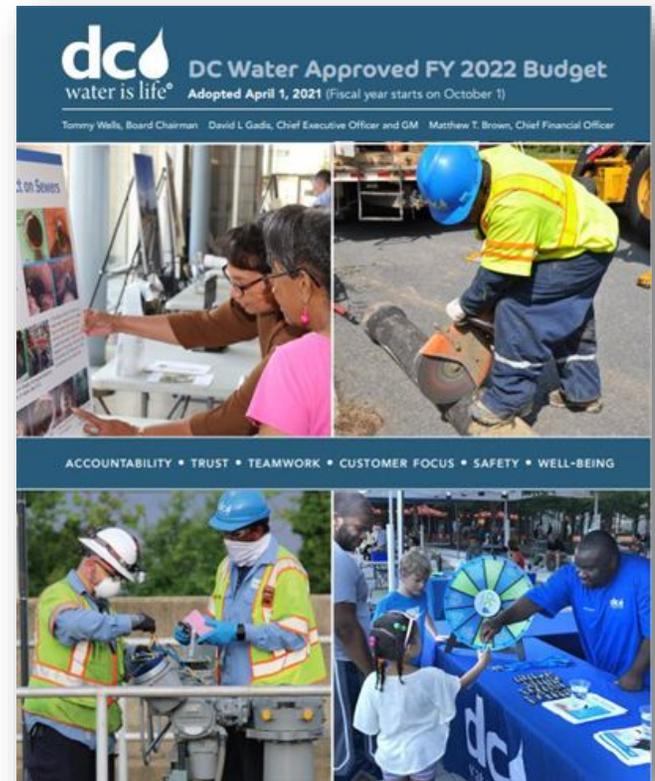
Action Items & Next Steps



Management Recommendation

Management recommends the approval of the following:

- Proposed FY 2023 Operating Expenditure Budget of \$686.4 million
- Proposed Capital Budget
 - FY 2023 Capital Budget of \$647 million
 - FY 2022 – FY 2031 Capital Disbursements of \$6.4 billion
 - Lifetime Project Budget of \$13.38 billion
- Proposed FY 2023 & 2024 Operating Revenues, Rates and Fees
- Proposed FY 2022 – FY 2031 Financial Plan, including the revenue requirements to support the operating and capital budgets
- Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing





Committee Recommendations & Actions

	Environmental Quality & Operations	DC Retail Water & Sewer Rates	Finance & Budget
Committees & Meeting Dates	February 17	February 22	February 24
FY 2022 - FY 2031 Capital Budget <ul style="list-style-type: none"> Proposed FY 2022 Capital Disbursements Ten-Year Disbursements Lifetime Project 	Action Taken		Action Required
Proposed FY 2023 Operating Expenditure Budget			Action Required
Proposed FY 2023 & 2024 Operating Revenues, Rates and Fees		Action Required	
Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing			Action Required
FY 2022 – FY 2031 Financial Plan		Action Required	Action Required





Public Communication

Complete Budget Briefing available online at <https://www.dewater.com/ratemaking-process>

Ratemaking Process

The Board's Strategic Plan and 10-year financial plan provide the framework for the formulation, prioritization, implementation and monitoring of the annual budget process.

The annual budget process typically begins with planning in June and official kickoff in July of each year for the Operating and Capital Budgets. Plans and budgets are prepared at an appropriate level of detail for each management level. Assumptions inherent in the plans and budgets reflect the entity's historical experience, current conditions and Executive Team's directives. Once decisions are finalized for the operating and capital budgets, management develops the financial plan and rate model including various scenarios to ensure a balanced budget for recovery of costs. Further review is undertaken with independent consultants including benchmarking our proposed rates with peers in the industry. DC Water develops two-year rate proposals. The benefits of multi-year rates include greater revenue certainty, increased budget discipline and better alignment between revenues and expenditures.

IN THIS SECTION

- [FY 2023 Proposed Budget](#)
- [FY 2022 Adopted Budget](#)
- [FY 2021 & FY 2022 Approved Rates](#)
- [Budget and Rate Review Documents](#)

OTHER LINKS & DOCUMENTS

Online Tools

- [Rate Comparison Tool](#)
- [Impervious Area Calculator](#)

Budget and Rate Review Documents

Date	Title
January 25, 2022	Joint DC Retail Water & Sewer Rates and Finance & Budget Committees Proposed FY 2023 Budget & Two-Year Rates
January 20, 2022	Environmental Quality and Operations Committee Proposed FY 2022 - FY 2031 Capital Improvement Program
January 6, 2022	Budget Workshop with the Board FY 2023 Proposed Budget
December 14, 2021	Finance and Budget Committee Overview of Operating Budget Drivers & Rate Increases



Public Outreach

- DC Water will hold multiple virtual Town Hall Meetings in early April, in advance of the public hearing, to:
 - Inform customers about the proposed FY 2023 and FY 2024 rates
 - Discuss the Capital Improvement Program, and
 - Promote all of the existing customer assistance programs

- The meetings will be widely publicized through numerous channels, including:
 - Councilmember Offices
 - Advisory Neighborhood Commissions (ANCs)
 - DCWater.com website
 - Twitter, Facebook and Instagram
 - Nextdoor
 - Paid digital and print advertising



LIHWAP

- 💧 Low Income Household Water Assistance Program (LIHWAP) was created through the Consolidated Appropriations Act of 2021 and the American Rescue Plan Act (ARP) of 2021
- 💧 In DC, the new program, that is administered by DOEE, provides one-time residential customer assistance up to \$5,000 per fiscal year to customers with disconnected water service, pending disconnections, and/or seeking help with current water bills
 - Customer will receive assistance for whichever is greater between the current past due balance or 25% of annual bills, or \$250
- 💧 Eligibility - 60% state median income (aligns with CAP income requirements)
- 💧 FY 2022 Funding - \$2.4 million (\$2.0 million for assistance and \$400,000 for admin costs)
- 💧 DC Water received first distribution in January 2022 for accounts retroactive to October 1

Total Customers	FY22 Actual	FY22 Budget	FY22 Remaining Budget
1193	\$655,311	\$2,000,000	\$1,344,689



Teamwork Delivered the Budget & Rate Proposals

Thank you!





Appendix



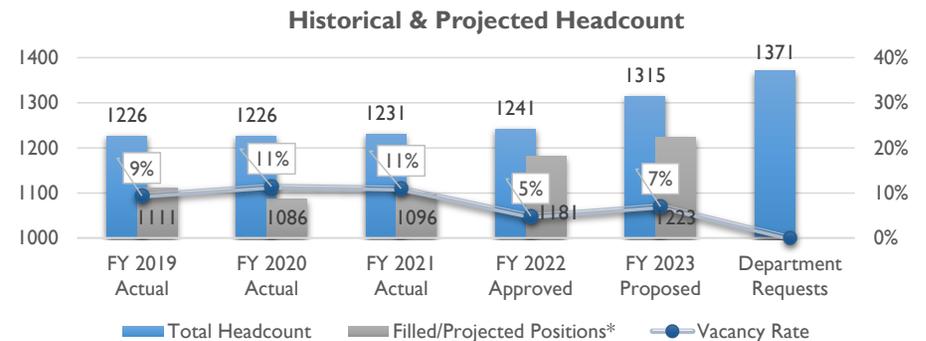
Headcount

73 New Positions for FY 2023

- Drive Efficiency** - 39 new positions to reduce reliance on the use of consultants for various engineering programs with offsetting reductions in capital contracts
- Program Expansion** - 27 new positions for fire flow testing and valve preventative maintenance programs, Green Infrastructure program, manage the construction activities for the tunnels, and support operations, compliance, safety, data analysis, HR systems, recruiting and Enterprise Risk Management activities
- Achieve Savings** - 7 new positions for in-house support of various professional services (Helpdesk, Quality Assurance, Business Intelligence & Integrations, Project Management Office, Budgeting), savings of \$340K annually

Vacancy Rates

- Historical vacancy rate ranges from 9% to 11% per year
 - 63 aged/hard to fill positions were eliminated during the FY 2020 budget cycle
 - Current vacancy rate is 12% as of December 2021 with ongoing efforts to backfill critical positions to reduce the workload on employees
- Overall vacancy rates of 5% and 7% are assumed in FY 2022 and FY 2023 respectively



* Reflects projected vacancy rates assumed in FY 2022 and FY 2023



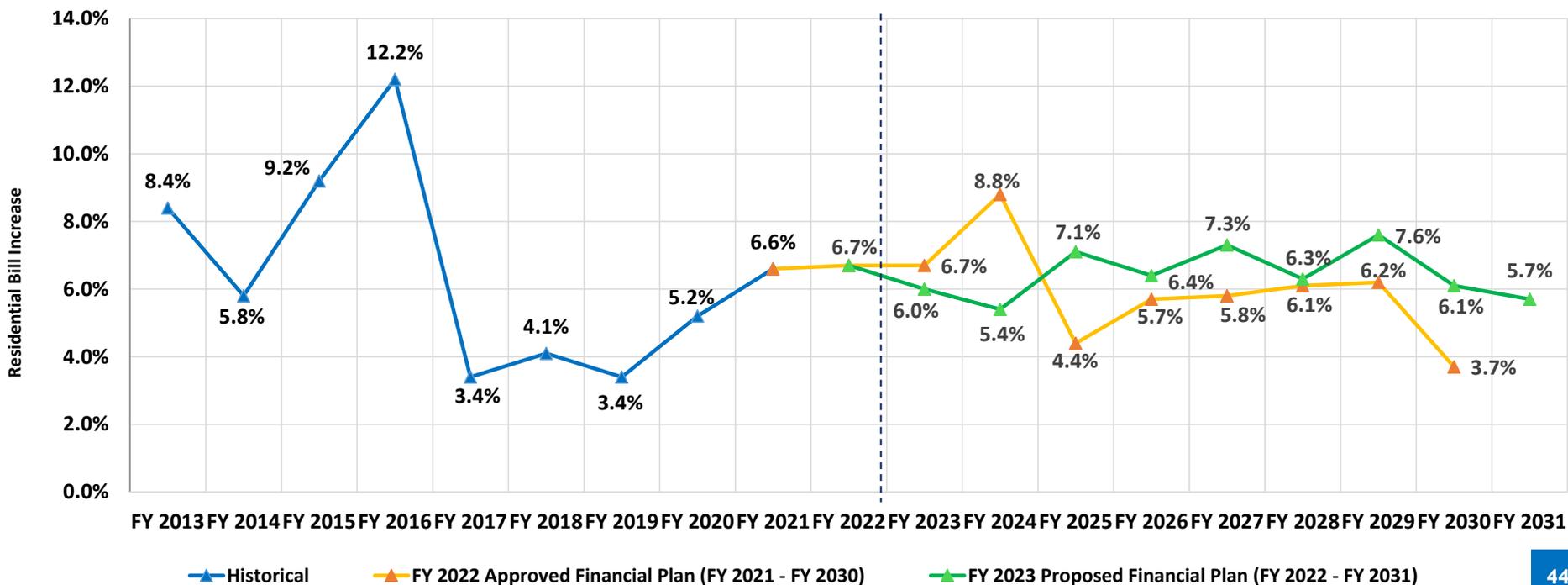
Proposed FY 2023 & FY 2024 Rates, Charges & Fees

	Units	Approved FY 2022	Proposed FY 2023	Proposed FY 2024	Incr. /(Decr.) FY 2023		Incr. /(Decr.) FY 2024		
					\$	%	\$	%	
DC Water Retail Rates – Water:									
Residential – Lifeline (0- 4 Ccf)	Ccf	\$3.63	\$4.28	\$4.38	\$0.65	17.9%	\$0.10	2.3%	
Residential – (> 4 Ccf)	Ccf	4.74	5.58	5.70	0.84	17.7	0.12	2.2	
Multi-family	Ccf	4.15	4.90	5.00	0.75	18.1	0.10	2.0	
Non-Residential	Ccf	4.91	5.78	5.89	0.87	17.7	0.11	1.9	
DC Water Retail Rates – Sewer	Ccf	10.64	11.26	11.70	0.62	5.8	0.44	3.9	
DC Water Clean Rivers IAC	ERU	18.40	18.14	21.86	-0.26	-1.4	3.72	20.5	
DC Water Customer Metering Fee	5/8”	7.75	7.75	7.75	-		-		
DC Water System Replacement Fee	5/8”	6.30	6.30	6.30	-		-		
District of Columbia PILOT Fee	Ccf	0.56	0.59	0.61	0.03	5.4	0.02	3.4	
District of Columbia Right of Way Fee	Ccf	0.19	0.19	0.19	-		-		
District of Columbia Stormwater Fee	ERU	2.67	2.67	2.67	-		-		
Groundwater Fee	Ccf	2.83	3.42	3.50	0.59	20.8	0.08	2.3	
WAD Rate	Ccf	3.03	3.21	3.30	0.18	5.9	0.09	2.8	



Historical and Projected Combined Rate Increases

- 💧 FY 2023 and FY 2024 recommended rates are less than previously forecasted
- 💧 In FY 2025 and beyond, forecasted rates are higher than previously estimated because of additional projects in the 10-year Capital Improvement Plan (CIP)





Average Residential Customer Monthly Bill

	Current FY 2022	Proposed FY 2023	Proposed FY 2024
DC Water Water and Sewer Retail Rates ⁽¹⁾	\$ 78.92	\$ 86.07	\$ 89.03
DC Water Clean Rivers IAC ⁽²⁾	18.40	18.14	21.86
DC Water Customer Metering Fee	7.75	7.75	7.75
DC Water Water System Replacement Fee ⁽⁴⁾	6.30	6.30	6.30
Subtotal DC Water Rates & Charges	\$ 111.37	\$ 118.26	\$ 124.94
Increase / Decrease	\$ 7.29	\$ 6.89	\$ 6.68
District of Columbia PILOT Fee ⁽¹⁾	\$ 3.04	\$ 3.20	\$ 3.31
District of Columbia Right-of-Way Fee ⁽¹⁾	1.03	1.03	1.03
District of Columbia Stormwater Fee ⁽³⁾	2.67	2.67	2.67
Subtotal District of Columbia Charges	\$ 6.74	\$ 6.90	\$ 7.01
Total Amount Appearing on DC Water Bill	\$ 118.11	\$ 125.16	\$ 131.95
Increase / Decrease Over Prior Year	\$ 7.40	\$ 7.05	\$ 6.79
Percent Increase in Total Bill	6.7%	6.0%	5.4%

(1) Assumes average monthly consumption of 5.42 Ccf, or (4,05

(2) Assumes average 1 Equivalent Residential Unit (ERU)

(3) District Department of the Environment stormwater fee of \$2.67 effective November 1, 2010

(4) DC Water "Water System Replacement Fee" of \$6.30 for 5/8" meter size effective October 1, 2015



Average CAP Customer Monthly Bill

	Units	Current FY 2022	Proposed FY 2023	Proposed FY 2024
DC Water Water and Sewer Retail Rates ⁽¹⁾	Ccf	\$ 78.92	\$ 86.07	\$ 89.03
DC Water Clean Rivers IAC	ERU	18.40	18.14	21.86
DC Water Customer Metering Fee	5/8"	7.75	7.75	7.75
DC Water Water System Replacement Fee	5/8"	6.30	6.30	6.30
Subtotal DC Water Rates & Charges		\$ 111.37	\$ 118.26	\$ 124.94
Increase / Decrease		\$ 7.29	\$ 6.89	\$ 6.68
District of Columbia PILOT Fee ⁽¹⁾	Ccf	\$ 3.04	\$ 3.20	\$ 3.31
District of Columbia Right-of-Way Fee ⁽¹⁾	Ccf	1.03	1.03	1.03
District of Columbia Stormwater Fee ⁽⁴⁾	ERU	2.67	2.67	2.67
Subtotal District of Columbia Charges		\$ 6.74	\$ 6.90	\$ 7.01
Total Amount		\$ 118.11	\$ 125.16	\$ 131.95
Increase / Decrease Over Prior Year		\$ 7.40	\$ 7.05	\$ 6.79
Percent Increase in Total Bill		6.7%	6.0%	5.4%
Less: CAP Discount (4 Ccf per month) ^{(1), (2)}		\$ (60.08)	\$ (65.28)	\$ (67.52)
Water System Replacement Fee (WSRF) ⁽³⁾		(6.30)	(6.30)	(6.30)
Clean Rivers IAC ⁽⁵⁾		(13.80)	(13.61)	(16.40)
Total Amount Appearing on DC Water Bill		\$ 37.93	\$ 39.97	\$ 41.73
Increase / Decrease Over Prior Year		\$ 4.12	\$ 2.04	\$ 1.76
CAP Customer Discount as a Percent of Total Bill		-67.9%	-68.1%	-68.4%

(1) Assumes average monthly consumption of 5.42 Ccf, or (4,054 gallons)

(2) Expansion of CAP program in FY 2009 assumes discount to first 4 Ccf of Water and Sewer and to first 4 Ccf of PILOT and ROW in FY 2011

(3) Assumes 100 percent discount for Water System Replacement Fee (WSRF) to CAP customers effective October 1, 2015

(4) District Department of the Environment stormwater fee of \$2.67 effective November 1, 2010

(5) Assumes 75% discount for the Clean Rivers IAC effective October 1, 2020.



Customer Impacts

- Approved rates for FY 2022 and proposed rates for FY 2023 and FY 2024
- Customer Impacts

Residential Avg. Ccf 5.42, ERU 1	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Water & Sewer Rate (%)	7.8%	9.5%	3.25%	10.0%	7.5%	8.5%	8.0%	8.0%	7.5%	7.5%
CRIAC (\$/ERU)	\$18.40	\$18.14	\$21.86	\$22.27	\$23.92	\$25.83	\$26.88	\$29.86	\$31.15	\$31.43
Avg. Customer Bill (\$)	\$118	\$125	\$132	\$142	\$150	\$161	\$170	\$181	\$188	\$199
Avg. Customer Bill (%)	6.7%	6.0%	5.5%	7.6%	5.7%	6.5%	6.4%	6.6%	3.7%	5.8%
Multi-family Avg. Ccf 86.14, ERU 6.83	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Water & Sewer Rate (%)	7.8%	9.5%	3.25%	10.0%	7.5%	8.5%	8.0%	8.0%	7.5%	7.5%
CRIAC (\$/ERU)	\$18.40	\$18.14	\$21.86	\$22.27	\$23.92	\$25.83	\$26.88	\$29.86	\$31.15	\$31.43
Avg. Customer Bill (\$)	\$1,542	\$1,661	\$1,734	\$1,882	\$2,014	\$2,172	\$2,328	\$2,509	\$2,676	\$2,851
Avg. Customer Bill (%)	6.3%	7.7%	4.4%	8.5%	7.0%	7.9%	7.2%	7.8%	6.6%	6.6%
Commercial Avg. Ccf 115.82, ERU 14.17	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Water & Sewer Rate (%)	7.8%	9.5%	3.25%	10.0%	7.5%	8.5%	8.0%	8.0%	7.5%	7.5%
CRIAC (\$/ERU)	\$18.40	\$18.14	\$21.86	\$22.27	\$23.92	\$25.83	\$26.88	\$29.86	\$31.15	\$31.43
Avg. Customer Bill (\$)	\$2,290	\$2,464	\$2,583	\$2,795	\$2,991	\$3,225	\$3,451	\$3,722	\$3,971	\$4,222
Avg. Customer Bill (%)	5.7%	7.6%	4.9%	8.2%	7.0%	7.8%	7.0%	7.9%	6.7%	6.3%

*Category-wise average consumption is based on FY 2019 average, the last normal year before COVID-19 pandemic.

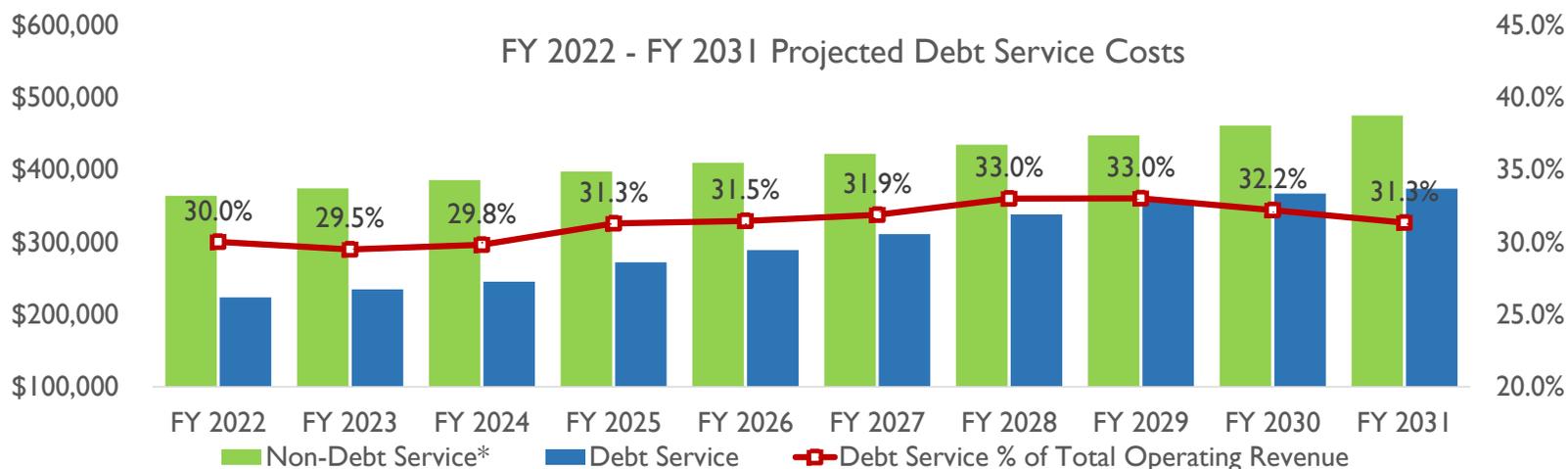


Debt Service Costs

Debt service is the largest driver in the operating budget

- Represents 35.8% of the total operating expenditure budget and 29.5% of operating revenue in FY 2023
- Over the next ten years, about \$2.6 billion is anticipated to be borrowed to fund capital expenditures
- Debt service cost is projected to grow from \$223.5 million in FY 2022 to \$374.0 million by FY 2031 (approx. 67% increase)

\$ in thousands



* Non-Debt Service includes O&M, PILOT, ROW and CFCI estimates



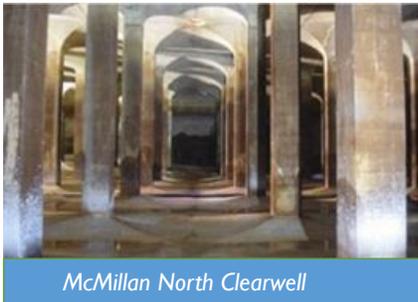
CIP by Program Area

(Cash Disbursements \$ in thousands)	FY 2022 - 2031 CIP Disbursement Plan											Last Years 10-yr	(Increase)/ Decrease	Lifetime
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	10-yr Total			
NON PROCESS FACILITIES														
Facility Land Use	31,439	12,051	28,160	14,422	6,620	3,351	1,778	387	2,000	2,000	102,208	109,776	7,568	215,847
Subtotal	31,439	12,051	28,160	14,422	6,620	3,351	1,778	387	2,000	2,000	102,208	109,776	7,568	215,847
WASTEWATER TREATMENT														
Liquid Processing	38,445	38,619	48,123	55,524	72,091	103,072	93,670	68,370	47,909	91,689	657,512	643,359	(14,153)	1,241,281
Plantwide	16,672	18,017	35,092	39,270	48,087	47,586	18,673	25,240	23,834	10,018	282,489	269,362	(13,127)	502,039
Solids Processing	22,422	19,722	32,546	21,534	12,258	12,445	15,045	16,099	31,675	30,414	214,160	195,344	(18,816)	893,604
Enhanced Nitrogen Removal Facilities	8,438	2,216	1,784	74	-	2,206	1,861	11,664	23,293	8,965	60,502	50,926	(9,576)	808,182
Subtotal	85,978	78,574	117,545	116,402	132,436	165,310	129,249	121,373	126,710	141,086	1,214,664	1,158,991	(55,673)	3,445,105
COMBINED SEWER OVERFLOW														
DC Clean Rivers Program	147,347	106,774	66,064	85,968	147,762	165,363	214,664	143,867	39,054	-	1,116,863	1,027,910	(88,953)	2,992,358
Combined Sewer Overflow Program	4,919	10,929	11,240	19,218	14,179	6,396	5,459	9,306	12,350	6,306	100,303	95,066	(5,237)	223,714
Subtotal	152,267	117,704	77,304	105,185	161,941	171,760	220,123	153,173	51,403	6,306	1,217,166	1,122,976	(94,190)	3,216,072
STORMWATER														
Storm Local Drainage Program	22	197	1,511	2,496	1,072	1,612	1,773	1,357	234	180	10,455	11,427	972	18,025
Storm On-Going Program	1,572	899	866	519	876	842	1,084	1,287	935	900	9,780	9,217	(563)	9,994
Storm Pumping Facilities	5,232	10,296	3,063	2,584	2,741	3,417	1,417	1,579	4,948	7,642	42,918	38,443	(4,475)	64,227
Stormwater Program Management	23	35	35	40	230	286	346	275	212	-	1,483	4,192	2,709	13,178
Stormwater Trunk/Force Sewers	182	99	78	174	67	-	-	-	-	-	600	615	15	15,510
Subtotal	7,031	11,527	5,553	5,813	4,985	6,158	4,620	4,499	6,330	8,722	65,236	63,894	(1,342)	120,933
SANITARY SEWER														
Sanitary Collection System	1,948	8,147	27,697	34,534	46,713	50,712	47,945	46,871	31,138	30,057	325,762	305,405	(20,357)	506,422
Sanitary On-Going Projects	15,617	13,035	14,452	13,200	13,577	13,988	14,395	14,851	15,297	15,289	143,702	138,757	(4,945)	215,932
Sanitary Pumping Facilities	2,496	10,895	13,566	8,153	10,959	12,288	25,186	30,469	35,772	20,565	170,349	145,894	(24,454)	251,957
Sanitary Program Management	8,471	10,316	9,538	7,897	8,880	9,915	8,887	9,034	7,028	3,497	83,462	81,361	(2,102)	191,840
Interceptor/Trunk Force Sewers	39,553	60,990	85,574	67,184	80,271	119,043	87,412	48,030	40,133	10,662	638,851	641,557	2,706	1,000,291
Subtotal	68,084	103,383	150,828	130,967	160,400	205,946	183,824	149,256	129,368	80,069	1,362,125	1,312,973	(49,152)	2,166,442
WATER														
Water Distribution Systems	82,276	102,848	77,198	65,128	89,029	92,136	91,572	100,969	87,062	91,501	879,719	785,895	(93,825)	1,771,888
Lead Free DC Program	56,987	94,377	101,955	100,624	82,147	62,407	62,749	62,550	5,155	-	628,951	57,613	(571,338)	812,516
Water On-Going Projects	14,917	15,454	15,870	15,769	15,390	17,669	18,819	20,500	21,500	20,781	176,668	153,502	(23,166)	231,960
Water Pumping Facilities	3,581	4,765	12,016	5,559	5,484	2,171	3,297	527	3,084	1,229	41,711	42,827	1,116	73,904
DDOT Water Projects	-	-	-	-	-	-	-	-	-	-	-	1,181	1,181	-
Water Storage Facilities	2,645	4,813	8,229	3,651	4,876	9,526	9,147	3,136	3,241	2,211	51,475	54,718	3,242	156,199
Water Service Program Management	4,907	4,859	3,072	3,921	5,120	7,542	7,080	4,641	4,641	5,120	50,904	51,981	1,077	121,424
Subtotal	165,313	227,116	218,339	194,652	202,046	191,451	192,665	192,324	124,683	120,842	1,829,430	1,147,717	(681,713)	3,167,891
CAPITAL PROJECTS	510,112	550,355	597,728	567,442	668,428	743,975	732,259	621,011	440,494	359,025	5,790,828	4,916,327	(874,501)	12,332,290
CAPITAL EQUIPMENT	40,519	37,021	36,156	35,307	39,671	41,813	36,203	36,203	36,203	36,203	375,302	336,036	(39,266)	375,302
WASHINGTON AQUEDUCT	16,875	59,628	34,749	17,164	27,825	37,122	14,723	11,940	19,831	13,911	253,768	180,125	(73,643)	253,768
ADDITIONAL CAPITAL PROJECTS	57,394	96,649	70,905	52,471	67,496	78,935	50,926	48,143	56,034	50,114	629,070	516,161	(112,909)	629,070
LABOR														416,097
TOTAL CAPITAL BUDGETS	567,507	647,004	668,633	619,913	735,924	822,910	783,185	669,154	496,528	409,140	6,419,899	5,432,489	(987,410)	13,377,458
FY 2021	471,267	476,140	540,585	500,427	499,918	681,280	632,075	568,067	572,262	490,468	-	5,432,489	-	12,133,115
Prior Year Board Approved CIP	471,267	476,140	540,585	500,427	499,918	681,280	632,075	568,067	572,262	490,468	-	5,432,489	-	12,133,115
Delta (inc)/dec	471,267	(91,367)	(106,419)	(168,206)	(119,995)	(54,644)	(190,836)	(215,119)	(96,892)	(6,060)	(409,140)	(987,410)	-	(1,244,343)



Washington Aqueduct

- The Aqueduct presented three CIP programs to the Wholesale Customer Board with updated budgets for critical projects to reflect true costs
- The CIP Working Group was established as a task force to review the project details and reach consensus on the path forward for capital investments at the Aqueduct. The final ten-year CIP proposal is for \$348.3 million (DC Water's share ~ \$253.8 million) and includes the following major projects -
 - North Clearwell Replacement (\$56.8 million); Administration Building Employee Relocation (\$21 million)
 - Transmission Main Improvements (\$35.4 million); Basins 3 & 4 Flocculation/Sedimentation Improvements (\$11 million)
 - Old Conduit Rehabilitation (\$7.6 million); Chemical Building HVAC Upgrades and East Filter Building Upgrades (\$25.1 million)
 - Other High Priority Projects
 - Emerging projects (\$63.6 million)
 - Projects starting FY 2024 such as New Conduit Rehabilitation, Dalecarlia Back-up Power Generation etc. (\$74.4 million)
 - Projects for City Tunnel Rehabilitation (\$49.1 million)
 - Projects for building renovations and roof replacements (\$1.9 million)



McMillan North Clearwell



Third High Reservoir

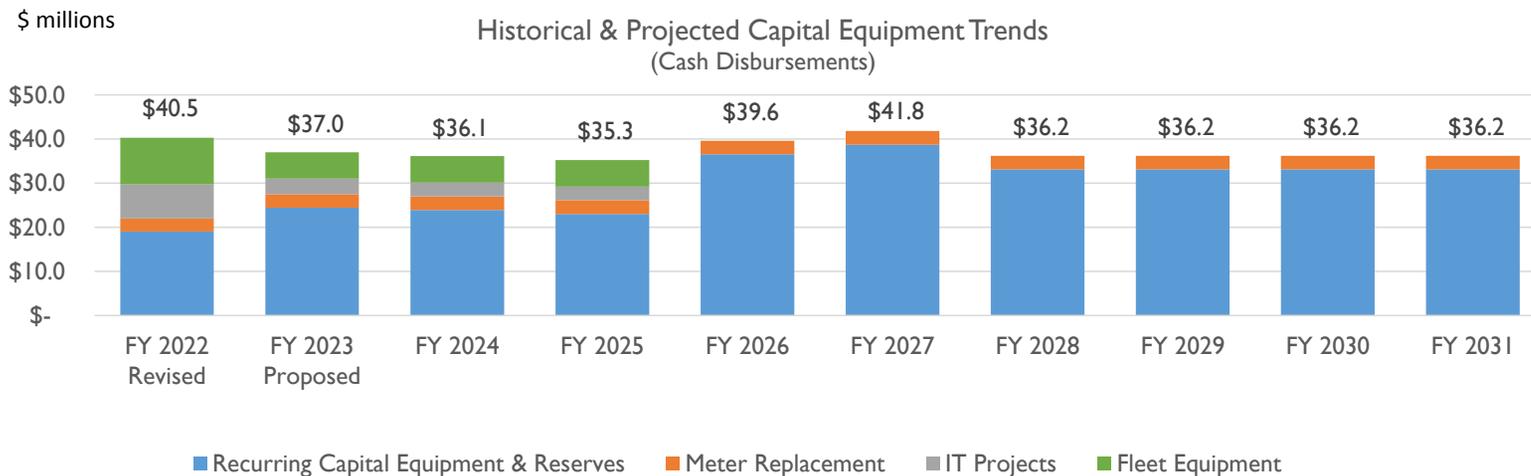


Dalecarlia Basins 3 & 4



Capital Equipment

- The revised FY 2022 budget is \$40.5 million and reflects the Board-approved carry-over of \$4.5 million from FY 2021 for the purchase of vehicles (anticipated for delivery in FY 2022)
- Ten-year disbursements of \$375.3 million for capital equipment include:
 - **Recurring Capital Equipment and Reserves** – This covers the purchase/replacement of pumps, motors, HVACs, roof, renovations, laptops, computers, servers, fire hydrants and includes the Authority-wide reserves for new facilities and unplanned equipment needs
 - **Information Technology (IT) Projects** – Funds new projects and upgrades to various Authority-wide technology systems
 - **Fleet Equipment** – Earmarks \$18 million from FY 2023 through FY 2025 to reduce backlog and help ensure that crews have the required equipment such as backhoes, jet-vacs, small and large dump trucks to meet operational needs



ATTACHMENT 4

FINANCE & BUDGET COMMITTEE

ACTION ITEMS

FY 2023 BUDGET

**FINANCE AND BUDGET COMMITTEE
FISCAL YEAR 2023 PROPOSED OPERATING BUDGET ACTION ITEM**

ACTION ITEM 4A: Proposed FY 2023 Operating Budget

The Proposed FY 2023 Operating Budget to be considered by the Board of Directors totals \$686,403,165, including \$15,000 for representation and \$9,000 for official meetings.

Operations & Maintenance Expenditures	\$381,961,932
Debt Service	234,679,319
Cash Financed Capital Improvements (CFCI)	46,691,694
Payment In Lieu of Taxes (PILOT)	17,970,220
Right of Way Fee (ROW)	5,100,000
	<hr/>
	\$304,441,233
Subtotal (Debt Service/CFCI/PILOT/ROW)	
Proposed FY 2023 Operating Budget	<u><u>\$686,403,165</u></u>

**FINANCE AND BUDGET COMMITTEE
FISCAL YEAR 2022 – FY 2031
PROPOSED CAPITAL IMPROVEMENT PROGRAM
ACTION ITEM**

ACTION ITEM 4B: FY 2022 – FY 2031 Proposed Capital Improvement Program (Ten-Year Disbursement Plan and Lifetime Budget)

DC Water presents its capital improvement program on two different bases:

- a. **Ten-Year Disbursement Plan** – The cash disbursement-based capital plan is utilized to forecast the timing and amount of capital financing, which is the primary basis for projected retail rate increases.
- b. **Lifetime Budget** – The project lifetime budget reflects the total costs of each project active during the ten-year planning period. These costs include historical and projected spending, project contingencies, and labor (listed as separate line item).

As shown in Attachment A-1, the Board of Directors will be asked to approve the following:

- a. **FY 2022 – FY 2031 Disbursement Plan** – \$6.42 billion
- b. **Lifetime Budget** – \$13.38 billion

Capital Improvement Program

(\$ in thousands)	FY 2022 - 2031 CIP Disbursement Plan											Lifetime Budget	
	Revised Budget										10-yr Total		
	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031			
NON PROCESS FACILITIES													
Facility Land Use	31,439	12,051	28,160	14,422	6,620	3,351	1,778	387	2,000	2,000	102,208	215,847	
Subtotal	31,439	12,051	28,160	14,422	6,620	3,351	1,778	387	2,000	2,000	102,208	215,847	
WASTEWATER TREATMENT													
Liquid Processing	38,445	38,619	48,123	55,524	72,091	103,072	93,670	68,370	47,909	91,689	657,512	1,241,281	
Plantwide	16,672	18,017	35,092	39,270	48,087	47,586	18,673	25,240	23,834	10,018	282,489	502,039	
Solids Processing	22,422	19,722	32,546	21,534	12,258	12,445	15,045	16,099	31,675	30,414	214,160	893,604	
Enhanced Nitrogen Removal Facilities	8,438	2,216	1,784	74	-	2,206	1,861	11,664	23,293	8,965	60,502	808,182	
Subtotal	85,978	78,574	117,545	116,402	132,436	165,310	129,249	121,373	126,710	141,086	1,214,664	3,445,105	
COMBINED SEWER OVERFLOW													
DC Clean Rivers Program	147,347	106,774	66,064	85,968	147,762	165,363	214,664	143,867	39,054	-	1,116,863	2,992,358	
Combined Sewer Overflow Program	4,919	10,929	11,240	19,218	14,179	6,396	5,459	9,306	12,350	6,306	100,303	223,714	
Subtotal	152,267	117,704	77,304	105,185	161,941	171,760	220,123	153,173	51,403	6,306	1,217,166	3,216,072	
STORMWATER													
Storm Local Drainage Program	22	197	1,511	2,496	1,072	1,612	1,773	1,357	234	180	10,455	18,025	
Storm On-Going Program	1,572	899	866	519	876	842	1,084	1,287	935	900	9,780	9,994	
Storm Pumping Facilities	5,232	10,296	3,063	2,584	2,741	3,417	1,417	1,579	4,948	7,642	42,918	64,227	
Stormwater Program Management	23	35	35	40	230	286	346	275	212	-	1,483	13,178	
Stormwater Trunk/Force Sewers	182	99	78	174	67	-	-	-	-	-	600	15,510	
Subtotal	7,031	11,527	5,553	5,813	4,985	6,158	4,620	4,499	6,330	8,722	65,236	120,933	
SANITARY SEWER													
Sanitary Collection System	1,948	8,147	27,697	34,534	46,713	50,712	47,945	46,871	31,138	30,057	325,762	506,422	
Sanitary On-Going Projects	15,617	13,035	14,452	13,200	13,577	13,988	14,395	14,851	15,297	15,289	143,702	215,932	
Sanitary Pumping Facilities	2,496	10,895	13,566	8,153	10,959	12,288	25,186	30,469	35,772	20,565	170,349	251,957	
Sanitary Program Management	8,471	10,316	9,538	7,897	8,880	9,915	8,887	9,034	7,028	3,497	83,462	191,840	
Interceptor/Trunk Force Sewers	39,553	60,990	85,574	67,184	80,271	119,043	87,412	48,030	40,133	10,662	638,851	1,000,291	
Subtotal	68,084	103,383	150,828	130,967	160,400	205,946	183,824	149,256	129,368	80,069	1,362,125	2,166,442	
WATER													
Water Distribution Systems	82,276	102,848	77,198	65,128	89,029	92,136	91,572	100,969	87,062	91,501	879,719	1,771,888	
Lead Free DC Program	56,987	94,377	101,955	100,624	82,147	62,407	62,749	62,550	5,155	-	628,951	812,516	
Water On-Going Projects	14,917	15,454	15,870	15,769	15,390	17,669	18,819	20,500	21,500	20,781	176,668	231,960	
Water Pumping Facilities	3,581	4,765	12,016	5,559	5,484	2,171	3,297	527	3,084	1,229	41,711	73,904	
DDOT Water Projects	-	-	-	-	-	-	-	-	-	-	-	-	
Water Storage Facilities	2,645	4,813	8,229	3,651	4,876	9,526	9,147	3,136	3,241	2,211	51,475	156,199	
Water Service Program Management	4,907	4,859	3,072	3,921	5,120	7,542	7,080	4,641	4,641	5,120	50,904	121,424	
Subtotal	165,313	227,116	218,339	194,652	202,046	191,451	192,665	192,324	124,683	120,842	1,829,430	3,167,891	
CAPITAL PROJECTS	510,112	550,355	597,728	567,442	668,428	743,975	732,259	621,011	440,494	359,025	5,790,828	12,332,290	
CAPITAL EQUIPMENT	40,519	37,021	36,156	35,307	39,671	41,813	36,203	36,203	36,203	36,203	375,302	375,302	
WASHINGTON AQUEDUCT	16,875	59,628	34,749	17,164	27,825	37,122	14,723	11,940	19,831	13,911	253,768	253,768	
ADDITIONAL CAPITAL PROJECTS	57,394	96,649	70,905	52,471	67,496	78,935	50,926	48,143	56,034	50,114	629,070	629,070	
LABOR												416,097	
TOTAL CAPITAL BUDGETS	567,507	647,004	668,633	619,913	735,924	822,910	783,185	669,154	496,528	409,140	6,419,899	13,377,458	

**FINANCE AND BUDGET COMMITTEE
PROPOSED TEN YEAR FINANCIAL PLAN FY 2022 – FY 2031**

ACTION ITEM 4C: Proposed Ten Year Financial Plan FY 2022 – FY 2031

1. Attached is a summary of the 10-year Financial Plan, which is based on the following key assumptions for FY 2023 and FY 2024:

FY 2023

- Operating receipts totaling \$799.99 million, an increase of \$41.51 million over FY 2022 funded through;
 - Retail Revenue – increase of \$43.38 million
 - Wholesale Revenue – increase of \$1.05 million
 - Other Revenue – decrease of \$2.92 million
- Operating disbursements of \$655.97 million in FY 2023; and
- A ten-year capital improvement plan (FY 2022 – FY 2031) of \$6.42 billion on a cash disbursement basis.

FY 2024

- Operating receipts totaling \$827.70 million, an increase of \$27.71 million over FY 2023 funded through;
 - Retail Revenue – increase of \$21.99 million
 - Wholesale Revenue – increase of \$3.42 million
 - Other Revenue – increase of \$2.30 million
- Operating disbursements of \$679.83 million in FY 2024; and
- A ten-year capital improvement plan (FY 2022 – FY 2031) of \$6.42 billion on a cash disbursement basis.

The FY 2022 – FY 2031 Financial Plan is projected to meet the Board’s policy requirement of combined debt service coverage of 160 percent and an operating reserve of 250 days of budgeted operations and maintenance costs.

District of Columbia Water & Sewer Authority
FY 2022 – FY 2031 Financial Plan
(In 000's)

OPERATING	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
Retail*	\$ 622,165	\$ 667,024	\$ 689,378	\$ 735,355	\$ 778,670	\$ 830,705	\$ 879,018	\$ 939,516	\$ 991,672	\$ 1,041,654
Wholesale*	84,669	85,720	89,142	91,817	94,571	97,408	100,330	103,340	106,440	109,634
Other	41,153	47,249	49,184	51,608	55,781	60,678	59,678	58,527	58,854	59,895
RSF	52,100	-	-	-	-	-	-	-	-	-
Operating Receipts ⁽¹⁾	\$ 800,087	\$ 799,993	\$ 827,705	\$ 878,779	\$ 929,022	\$ 988,791	\$ 1,039,026	\$ 1,101,383	\$ 1,156,967	\$ 1,211,182
Operating Expenses	(364,345)	(374,597)	(386,094)	(398,023)	(409,935)	(422,213)	(434,869)	(447,914)	(461,361)	(475,221)
Debt Service	(223,513)	(234,679)	(245,482)	(272,262)	(289,036)	(311,322)	(338,312)	(358,587)	(367,280)	(374,011)
Cash Financed Capital Improvement	\$ (37,830)	\$ (46,692)	\$ (48,256)	\$ (58,828)	\$ (70,080)	\$ (74,763)	\$ (79,112)	\$ (84,556)	\$ (89,251)	\$ (93,749)
Net Revenues After Debt Service	\$ 174,400	\$ 144,025	\$ 147,872	\$ 149,666	\$ 159,971	\$ 180,492	\$ 186,733	\$ 210,326	\$ 239,076	\$ 268,202
Operating Reserve-Beg Balance	196,286	235,600	242,600	251,600	261,600	266,600	276,600	284,600	293,600	300,600
Other Misc (Disbursements)/Receipts										
Wholesale/Federal True Up	(8,460)	(9,188)	(4,500)	-	-	-	-	-	-	-
Project Billing Refunds	-	-	-	-	-	-	-	-	-	-
Transfers To RSF	-	-	-	-	-	-	-	-	-	-
Pay-Go Financing	(126,625)	(127,837)	(134,372)	(139,666)	(154,971)	(170,492)	(178,733)	(201,326)	(232,076)	(259,202)
Operating Reserve - Ending Balance	\$ 235,600	\$ 242,600	\$ 251,600	\$ 261,600	\$ 266,600	\$ 276,600	\$ 284,600	\$ 293,600	\$ 300,600	\$ 309,600
Rate Stabilization Fund Balance RSF ⁽²⁾	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)	\$ (35,644)
Senior Debt Service Coverage	589%	539%	646%	707%	681%	649%	666%	719%	724%	767%
Combined Debt Service Coverage	201%	187%	188%	185%	188%	190%	186%	189%	196%	204%
Actual/Projected Water/Sewer Rate Increases	7.8%	9.5%	3.3%	10.0%	7.5%	8.5%	8.0%	8.0%	7.5%	7.5%
*Operating Receipts \$ Increase/Decrease										
Retail	37,277	44,859	22,354	45,976	43,315	52,036	48,313	60,498	52,156	49,981
Wholesale	1,682	1,051	3,422	2,674	2,754	2,837	2,922	3,010	3,100	3,193
*Operating Receipts % Increase/Decrease										
Retail	6.4%	7.2%	3.4%	6.7%	5.9%	6.7%	5.8%	6.9%	5.6%	5.0%
Wholesale	2.0%	1.2%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

⁽¹⁾ Includes interest earnings on senior lien revenue bonds' debt service reserve fund

⁽²⁾ FY 2023 planned transfer of \$0.0 million to Rate Stabilization Fund and \$0.0 million utilization will keep the total fund balance at \$35.644 million.

**District of Columbia Water & Sewer Authority
Average Residential Customer Monthly Bill
FY 2022 - FY 2031**

	Units	FY 2021	Current FY 2022	Proposed FY 2023	Proposed FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031
DC Water Water and Sewer Retail Rates ⁽¹⁾	Ccf	\$ 73.30	\$ 78.92	\$ 86.07	\$ 89.03	\$ 97.94	\$ 105.30	\$ 114.27	\$ 123.40	\$ 133.30	\$ 143.27	\$ 154.01
DC Water Clean Rivers IAC ⁽²⁾	ERU	19.52	18.40	18.14	21.86	22.27	23.92	25.83	26.88	29.86	31.15	31.43
DC Water Customer Metering Fee	5/8"	4.96	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75
DC Water Water System Replacement Fee ⁽⁴⁾	5/8"	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30
Subtotal DC Water Rates & Charges		\$ 104.08	\$ 111.37	\$ 118.26	\$ 124.94	\$ 134.26	\$ 143.27	\$ 154.15	\$ 164.33	\$ 177.21	\$ 188.47	\$ 199.49
Increase / Decrease		\$ 6.73	\$ 7.29	\$ 6.89	\$ 6.68	\$ 9.32	\$ 9.01	\$ 10.88	\$ 10.18	\$ 12.88	\$ 11.26	\$ 11.02
District of Columbia PILOT Fee ⁽¹⁾	Ccf	\$ 2.93	\$ 3.04	\$ 3.20	\$ 3.31	\$ 3.36	\$ 3.41	\$ 3.47	\$ 3.52	\$ 3.58	\$ 3.63	\$ 3.69
District of Columbia Right-of-Way Fee ⁽¹⁾	Ccf	1.03	1.03	1.03	1.03	1.03	1.08	1.08	1.08	1.14	1.14	1.14
District of Columbia Stormwater Fee ⁽³⁾	ERU	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67	2.67
Subtotal District of Columbia Charges		\$ 6.63	\$ 6.74	\$ 6.90	\$ 7.01	\$ 7.06	\$ 7.16	\$ 7.22	\$ 7.27	\$ 7.39	\$ 7.44	\$ 7.50
Total Amount Appearing on DC Water Bill		\$ 110.71	\$ 118.11	\$ 125.16	\$ 131.95	\$ 141.32	\$ 150.43	\$ 161.37	\$ 171.60	\$ 184.60	\$ 195.91	\$ 206.99
Increase / Decrease Over Prior Year		\$ 6.90	\$ 7.40	\$ 7.05	\$ 6.79	\$ 9.37	\$ 9.11	\$ 10.94	\$ 10.23	\$ 13.00	\$ 11.31	\$ 11.08
Percent Increase in Total Bill		6.6%	6.7%	6.0%	5.4%	7.1%	6.4%	7.3%	6.3%	7.6%	6.1%	5.7%

(1) Assumes average monthly consumption of 5.42 Ccf, or (4,054 gallons)

(2) Assumes average 1 Equivalent Residential Unit (ERU)

(3) District Department of the Environment stormwater fee of \$2.67 effective November 1, 2010

(4) DC Water "Water System Replacement Fee" of \$6.30 for 5/8" meter size effective October 1, 2015

**District of Columbia Water & Sewer Authority
Retail Rates, Charges and Fees
FY 2022 - FY 2024**

	Units	Current FY 2022	Proposed FY 2023	Proposed FY 2024
DC Water Retail Rates Water (Residential Lifeline 0 - 4 Ccf)	Ccf	\$3.63	\$4.28	\$4.38
DC Water Retail Rates Water (Residential > 4 Ccf)	Ccf	\$4.74	\$5.58	\$5.70
DC Water Retail Rates Water (Multi-Family)	Ccf	\$4.15	\$4.90	\$5.00
DC Water Retail Rates Water (Non-Residential)	Ccf	\$4.91	\$5.78	\$5.89
DC Water Retail Rates Sewer	Ccf	\$10.64	\$11.26	\$11.70
DC Water Clean Rivers IAC	ERU	\$18.40	\$18.14	\$21.86
DC Water Customer Metering Fee	5/8"	\$7.75	\$7.75	\$7.75
DC Water Water System Replacement Fee	5/8"	\$6.30	\$6.30	\$6.30
District of Columbia PILOT Fee	Ccf	\$0.56	\$0.59	\$0.61
District of Columbia Right-of-Way Fee	Ccf	\$0.19	\$0.19	\$0.19
District of Columbia Stormwater Fee	ERU	\$2.67	\$2.67	\$2.67

FINANCE AND BUDGET COMMITTEE

**INTENT TO REIMBURSE CAPITAL EXPENDITURES WITH PROCEEDS
OF A BORROWING ACTION ITEM**

ACTION ITEM 4D: Capital Projects Reimbursement Resolution

The Board will be asked to approve a reimbursement resolution, which would allow for reimbursement of eligible capital project expenditures from bond proceeds. The action under consideration is to utilize the proceeds of tax-exempt bonds, taxable bonds or notes (the “bonds”) or other debt in an amount not currently expected to exceed \$599,000,000 to pay the costs of capital projects. These costs include amounts heretofore unreimbursed pursuant to Resolution 22-xx of the Board adopted on March 3, 2022, plus amounts projected to be reimbursed during Fiscal Year 2022 and Fiscal Year 2023.

EXHIBIT A – LIST OF PROJECTS

Blue Plains System
Non Process Facilities
Sanitary Sewer System
Combined Sewer System
DC Clean Rivers
Stormwater Sewer System
Water Pumping, Distribution and Storage
Washington Aqueduct

**DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS CONTRACTOR FACT SHEET**

ACTION REQUESTED

**GOODS AND SERVICES CONTRACT OPTION YEAR THREE
MERCHANT CREDIT/DEBIT CARD PROCESSING SERVICES ADDITIONAL FUNDING
(Non-Joint Use – Indirect Cost)**

Approve additional funding for Option Year 3 for Merchant Credit/Debit Card Processing Services in the amount \$1,600,000.00.

CONTRACTOR/SUB/VENDOR INFORMATION

PRIME: First Data Merchant Services, LLC 101 Hudson Street Jersey City, NJ 07302	SUBS: N/A	PARTICIPATION: N/A
--	---------------------	------------------------------

DESCRIPTION AND PURPOSE

Original Contract Value:	\$720,000.00
Original Contract Dates:	01-01-2019—12-31-2019
No. of Option Years in Contract:	2
Contract Modification No. 1 Value:	\$755,000.00
Contract Modification No. 1 Dates:	08-01-2019—12-31-2019
Option Year 1 Value:	\$1,567,500.00
Option Year 1 Dates:	01-01-2020—12-31-2020
Contract Modification No. 2 Value:	\$257,350.00
Contract Modification No. 2 Dates:	10-01-2020—12-31-2020
Option Year 2 Value:	\$2,567,520.00
Option Year 2 Dates:	01-01-2021—12-31-2021
Option Year 2 Extension Value:	\$0.00
Option Year 2 Extension Dates:	01-01-2022—03-31-2022
Option Year 3 Value:	\$1,600,000.00
Option Year 3 Dates:	04-01-2022 —12-31-2022

Purpose of the Contract:

Contract to provide merchant credit/debit card processing services.

Contract Scope:

This contract includes electronic authorization, data capture and settlement services for all VISA, MasterCard and Discover credit and/or debit transactions generated by DC Water for processing of monthly residential and commercial water bills, sewer bills and permit bills.

Contract Additional Funding:

Approve additional funding in the amount of \$1,600,000.00. This amount covers on-going processing fees in addition to on-going increases in interchange fees, the use of corporate and reward cards by commercial customers and payment aggregators.

Spending Previous Year:

Cumulative Contract Value:	01-01-2019 - 12-31-2021: \$5,867,370.00
Cumulative Contract Spending:	01-01-2019 - 12-31-2021: \$5,150,495.53



**D.C. WATER AND SEWER AUTHORITY
BOARD OF DIRECTORS
FINANCE & BUDGET
MARCH COMMITTEE MEETING**

**Thursday, March 24, 2022; 9:30 a.m.
DC Water Headquarters
1385 Canal Street, SE, DC
AGENDA**

Call to Order	Chairperson
February 2022 Financial Report	Chief Financial Officer
Agenda for April Committee Meeting	Chairperson
Adjournment	Chairperson

*Detailed agenda can be found on DC Water’s website at www.dewater.com/about/board_agendas.cfm