



DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Board of Directors

Joint Meeting of the
DC Retail Water and Sewer Rates and
Finance and Budget Committees

Tuesday, February 23, 2021
10:15 a.m.

Microsoft Teams

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

[+1 202-753-6714,584112313#](tel:+12027536714584112313)

Phone Conference ID: 584 112 313#

AGENDA

- I. Call to Order.....Anthony Giancola, Finance & Budget, Chairperson
Rachna Bhatt, DC Retail Water & Sewer Rates Committee, Chairperson
- II. Roll Call..... Linda Manley, Board Secretary
- III. [Proposed FY 2022 Budget \(Attachment 1\)](#)..... Matthew T. Brown
- IV. Executive Session*
- V. Adjournment

* 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)(1); legal, confidential or privileged matters under D.C. Official Code § 2-575(b)(4); 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); 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.



Overview of Proposed FY 2022 Budget

Presentation to the Joint Meeting of the DC Retail Water & Sewer Rates and Finance & Budget Committees on February 23, 2021

District of Columbia Water and Sewer Authority

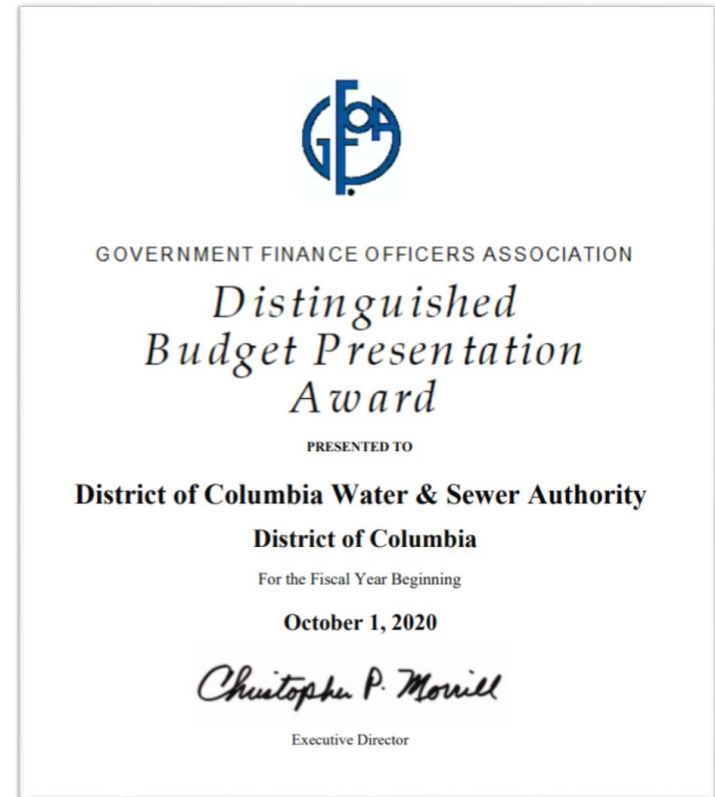


DC Water Headquarters from the Anacostia River



Agenda

- Provide overview of the budget calendar, milestones and deliverables
- Review management's Proposed Fiscal Year 2022 (FY 2022) Budgets including major drivers and underlying assumptions for
 - Operating Expenditures
 - Ten-Year Capital Improvement Program
 - Revenues, Rates and Fees
 - Ten-Year Financial Plan





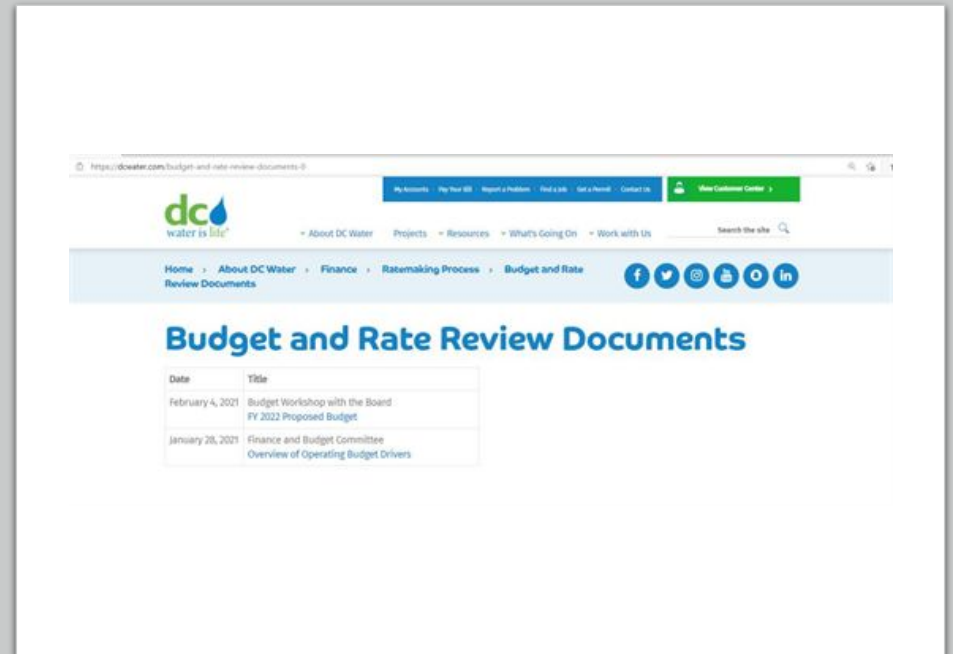
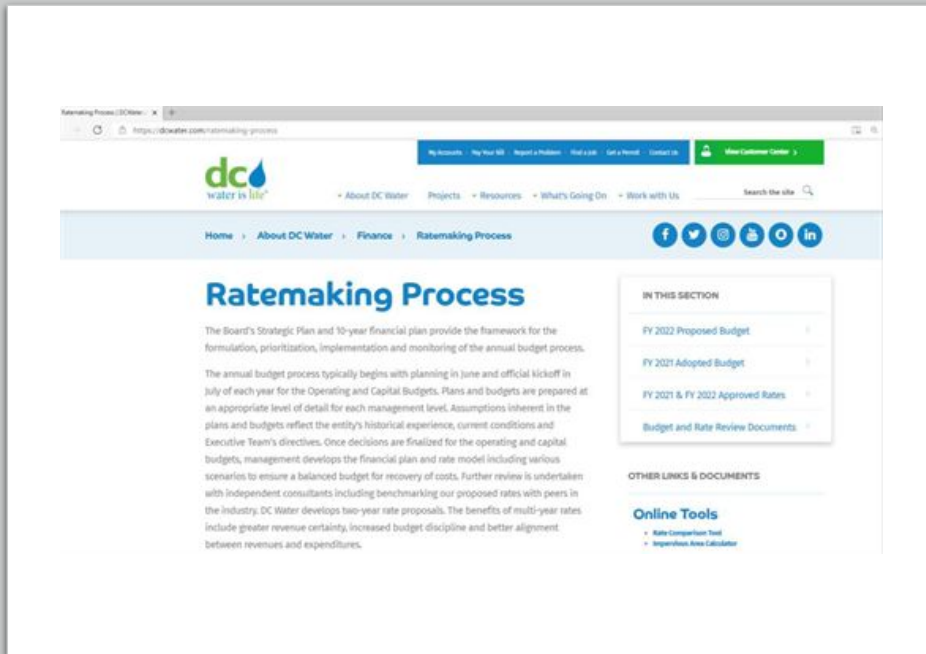
Budget Adoption Calendar

Timeline (2021)	Activity	Status
February 4	Budget Workshop with Board of Directors	✓
February 12	Wholesale Customer Briefing	✓
Committee Discussions & Reviews		
February 18	Environmental Quality & Operations	✓
February 23	Joint DC Retail Water & Sewer Rates and Finance & Budget Committee	
March 4	Board Meeting (No Board Action Required)	
Committee Reviews, Recommendations & Actions		
March 18	Environmental Quality & Operations	
March 23	DC Retail Water & Sewer Rates	
March 25	Finance & Budget	
April 1	Board Adoption	
April	Submit budget via the District to U.S. Congress	



Public Communication

Complete Budget Briefing available online at <https://www.dewater.com/budget-review-materials-library>



Budget and Rate Review Documents

Date	Title
February 4, 2021	Budget Workshop with the Board FY 2022 Proposed Budget
January 28, 2021	Finance and Budget Committee Overview of Operating Budget Drivers



Proposed FY 2022 Budget

Proposed Operating Budget of \$658.4 million

- Operations and Maintenance (O&M) budget of \$366.7 million for personnel and non personnel
- Debt Service budget of \$231.2 million and Cash Financed Capital Improvements budget of \$37.8 million
- PILOT & ROW payments to the District of \$22.7 million or an increase of \$0.3 million

Proposed 10-year Capital Budget of \$5.4 billion

- Capital Projects – \$4.92 billion for mandated projects, equipment upgrades and rehabilitation at Blue Plains, and continues investments in the aging water and sewer infrastructure
- Capital Equipment – \$336.0 million for equipment including pumps, motors, meters, backhoes, jet-vacs, catch basin trucks and other aged vehicles to meet operational needs and completion of the ERP Project in FY 2022
- Washington Aqueduct (WAD) –\$180.1 million for DC Water’s share of WAD’s capital program

Includes Previously Approved FY2022 Rates

- Applies \$10.5 million from the Rate Stabilization Fund
- Completes “shift” of 37% of Clean Rivers costs from the Clean Rivers Impervious Area Charge to the sewer volumetric rate



DC Water Delivers



New customer program to repair property side leaks that impact water bills



Saved \$80+ million on hauling and energy costs with the CHP facility



\$376.4 million of active DBE construction awards in FY 2020



Implemented Phases 1 and 2 of the ERP system on time and under budget



Implementing two new customer programs for those impacted by COVID



Clean Rivers 98% reduction in CSO volume to the Anacostia River



14 apprentices learning skills and preparing for jobs



Building a culture of performance and accountability



Reduced biosolids hauling, marketing and administrative costs from \$48 a ton to \$23 a ton



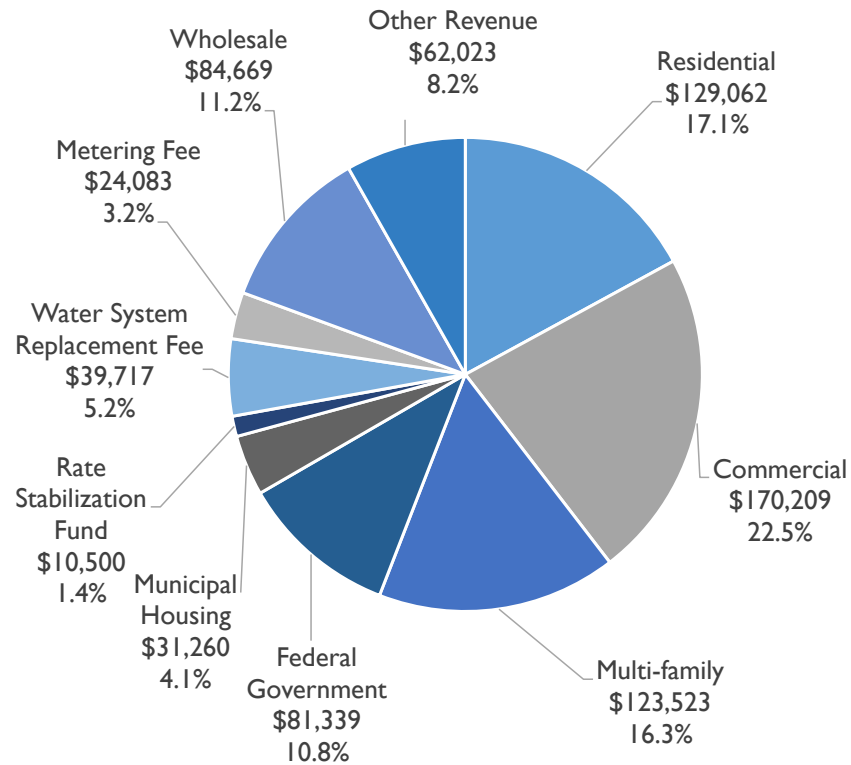
\$1.5 million committed to customers impacted by flooding events



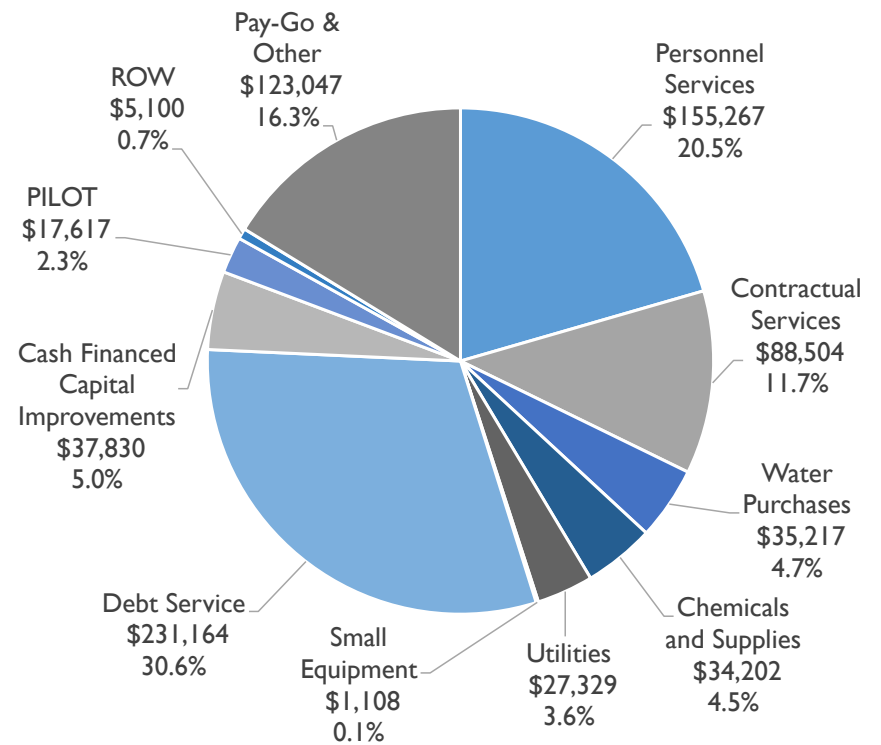
FY 2022 Operating: Sources and Uses of Funds

\$ in thousands

Sources - \$756.4 Million



Uses - \$756.4 Million

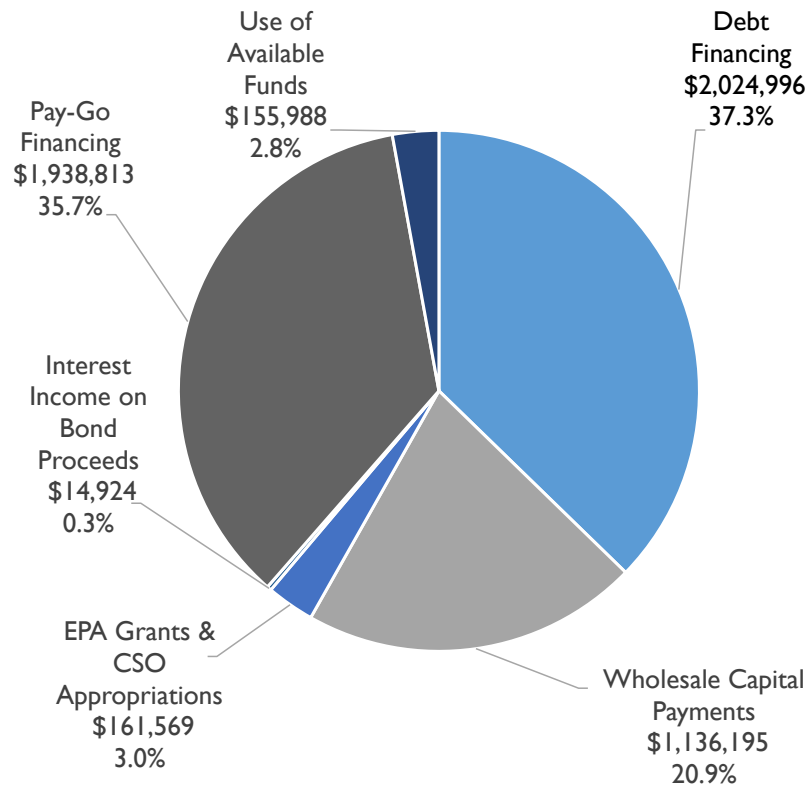




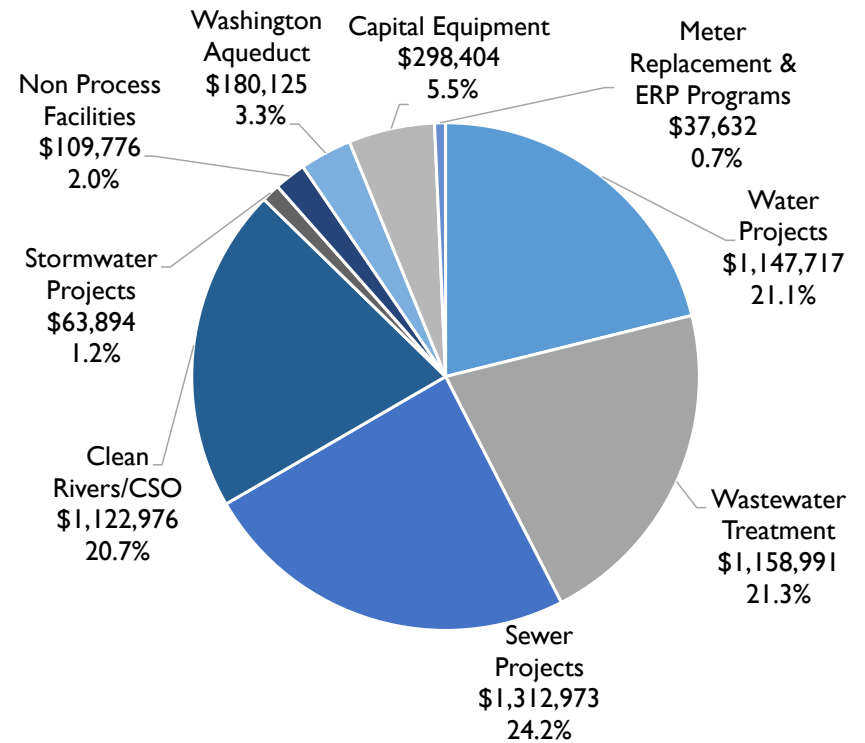
Ten Year CIP: Sources and Uses of Funds

\$ in thousands

Sources - \$5.43 Billion



Uses - \$5.43 Billion





Capital Improvement Program



Capital Budget Highlights

- Funds \$476 million in FY 2022 and \$5.4 billion over the ten-year period for infrastructure improvements
- Prioritizes projects currently under construction, including the Clean Rivers program, and those that leverage outside funds
- Funds replacement of 1.0% small diameter water mains and ramps up to 1.5% replacement per year for small diameter lines in FY 2028 and beyond
- Ramps up to 1.0% rehabilitation per year for small sewer lines in FY 2024 and beyond, and 1.5% rehabilitation in FY 2031 and beyond
- Includes \$63.9 million in FY 2022 and \$1.16 billion over the ten-year period for projects at Blue Plains including \$50.9 million for Enhanced Nitrogen Removal Facilities and \$643.4 million for Liquid Processing
- Continues construction of new Fleet and Sewer Facilities
- Advances funding for innovation program initiatives to continue to improve operational efficiencies and/or generate new revenues
- Funds \$336 million for planned equipment to meet purchases/replacement of mechanical equipment, operational facilities, vehicle equipment, office renovations, and IT software/hardware
- Funds projects for Washington Aqueduct delayed from prior year due to COVID-19 impact





The Capital Improvement Program

- Total spending remains at \$5.4 billion in the ten-year plan, a decrease of \$17.5 million from previous CIP
- Proposed spending reductions of \$171 million deferred from FY 2021/2022 to FY 2023 and beyond
- The proposed lifetime budget is \$12.13 billion and covers total commitments, including labor, for active projects prior to, during, and beyond the ten-year window

\$ in 000's

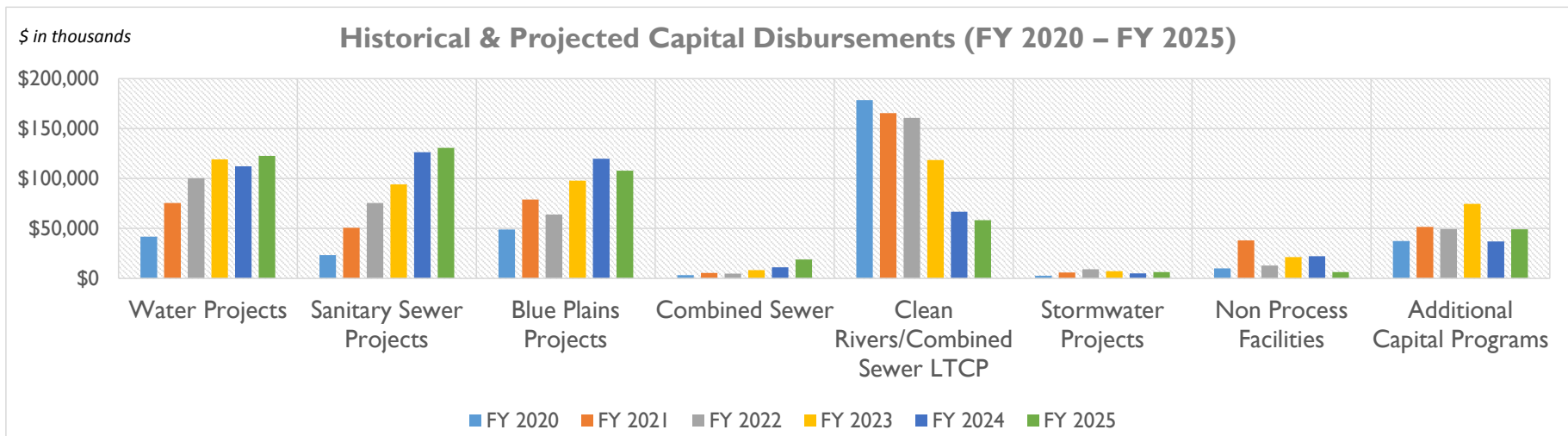
	FY 2021 - FY 2030 Proposed Disbursement Plan											Last Year's CIP	(Increase)/Decrease	Lifetime Budget
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	10-yr Total			
NON PROCESS FACILITIES	\$38,004	\$12,725	\$21,321	\$22,204	\$6,350	\$5,262	\$3,066	\$844	\$0	\$0	\$109,776	\$137,479	\$27,703	\$210,031
WASTEWATER TREATMENT	78,992	63,922	97,737	119,659	107,822	139,953	133,832	127,553	133,746	155,775	1,158,991	1,049,252	(109,739)	3,475,135
COMBINED SEWER OVERFLOW	170,842	165,276	126,598	77,962	77,216	157,621	104,808	91,414	124,593	26,645	1,122,976	1,311,366	188,390	2,979,072
STORMWATER	5,931	9,228	7,209	5,109	6,328	5,297	5,089	7,718	5,057	6,928	63,894	58,690	(5,204)	121,310
SANITARY SEWER	50,547	75,437	94,116	126,383	130,552	182,891	214,243	166,734	138,047	134,024	1,312,973	1,228,922	(84,052)	2,095,695
WATER	75,362	100,209	119,090	112,118	122,534	122,944	126,693	129,781	118,831	120,155	1,147,717	1,136,112	(11,605)	2,346,963
CAPITAL PROJECTS	419,678	426,797	466,072	463,435	450,803	613,968	587,731	524,044	520,274	443,526	4,916,327	4,921,821	5,493	11,228,206
CAPITAL EQUIPMENT	36,207	36,019	36,611	28,578	33,103	33,103	33,103	33,103	33,103	33,103	336,036	333,015	(3,021)	336,036
WASHINGTON AQUEDUCT	15,382	13,324	37,903	8,414	16,012	34,208	11,240	10,919	18,885	13,838	180,125	195,178	15,053	180,125
ADDITIONAL CAPITAL PROGRAMS	51,589	49,343	74,513	36,992	49,115	67,312	44,344	44,023	51,988	46,942	516,161	528,193	12,032	516,161
LABOR													-	388,747
TOTAL CAPITAL BUDGETS	471,267	476,140	540,585	500,427	499,918	681,280	632,075	568,067	572,262	490,468	5,432,489	5,450,013	17,524	12,133,115
Last Years CIP	507,590	611,008	531,323	438,195	461,193	580,092	589,978	628,404	650,006	-	5,450,013	5,450,013	17,524	12,390,598
(Increase)/Decrease	\$36,323	\$134,868	(\$9,262)	(\$62,232)	(\$38,725)	(\$101,188)	(\$42,096)	\$60,338	\$77,744	(\$490,468)	\$17,524	-	-	\$257,483



Near Term of the 10-Year CIP

DC Water is proceeding with the increased investment in water and sewer projects over the next five years as we approach the completion of the Clean Rivers tunneling program, though due to the pandemic the ramp up will be slower than previously planned

- Spending on water projects will double from \$42 million in FY 2020 to \$100 million in FY 2022
- Significant growth in sewer projects from \$23 million in FY 2020 to \$75 million by FY 2022
- Clean Rivers program is anticipated at 52 percent of the overall CIP in FY 2020, but only 12 percent by FY 2025





CIP Process Improvements

- Best practice implementation with Enterprise Resource Planning (ERP) enhances capital budget administration
 - Previously only lifetime budget checks, which could allow spending higher than was assumed in rates
 - Now annual spending limits help ensure alignment with the financial plan and adopted and forecasted rates
 - Internal procedures revised to provide flexibility to manage annual capital budget, with threshold of five percent of the planned disbursements budget adopted by the Board for each respective fiscal year
- Establishment of a contingency provides needed flexibility for the large capital program
 - To ensure consistency with financial plan, engineering aimed for a target of 15 percent below the annual budget
 - In FY 2020, 76 percent of the annual capital budget was spent (some COVID related)
 - As part of proposed financial plan, a contingency of five percent is established in FY 2021 and ten percent in FY 2022
 - Contingency will help ensure that spending is closer to the annual budget and ensure consistency with the financial plan





Operating Expenditures



FY 2022 Budget Highlights

- FY 2022 Proposed Operating Budget of \$658.4 million
- Advances LeadFree DC with the support of two new positions responsible for inspections
- Expands assistance through a new \$1 million program to repair property side leaks impacting water bills
- Implements a new comprehensive inspection and maintenance program for small local sewers in FY 2022 for \$0.5 million, with future ramp-up estimated at \$0.9 million
- Funds eight new positions to reduce continued reliance on consultants for support of Helpdesk, Cyber Security, Automatic Meter Reader Administration, schedulers for capital project planning, hazard mitigation grants, budgeting, and payroll functions
- Continues to invest in the local community by providing 14 jobs through the Apprentice program
- Funds \$1.3 million for the maintenance of the Green Infrastructure (GI) facilities to manage stormwater and \$0.7 million for additional security guards needed at the new locations for the Fleet Service and Sewer Service facilities
- Provides \$720,000 for the Backwater Valve Program through FY 2023 for the installation of backwater valves on private properties in response to the September 10, 2020 storm event
- Includes \$231.2 million for debt service costs

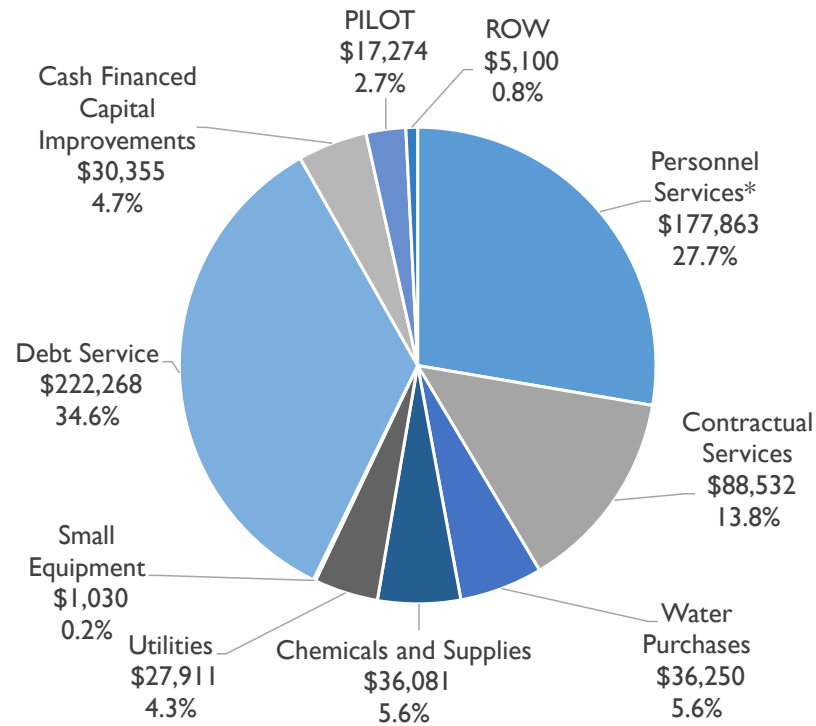




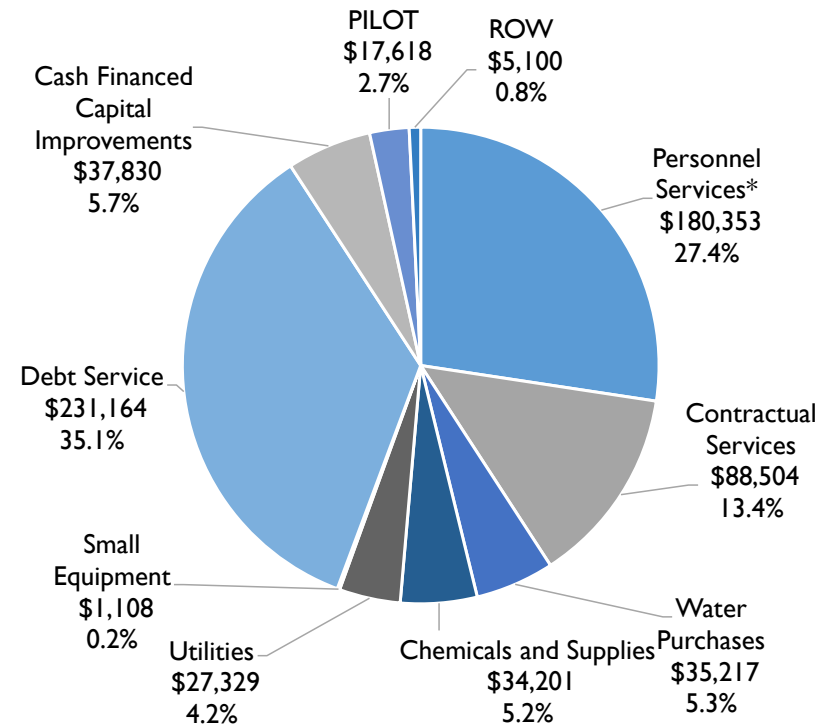
FY 2021 vs. FY 2022 Expenditure Budgets

\$ in thousands

Approved FY 2021
\$642,663



Proposed FY 2022
\$658,423



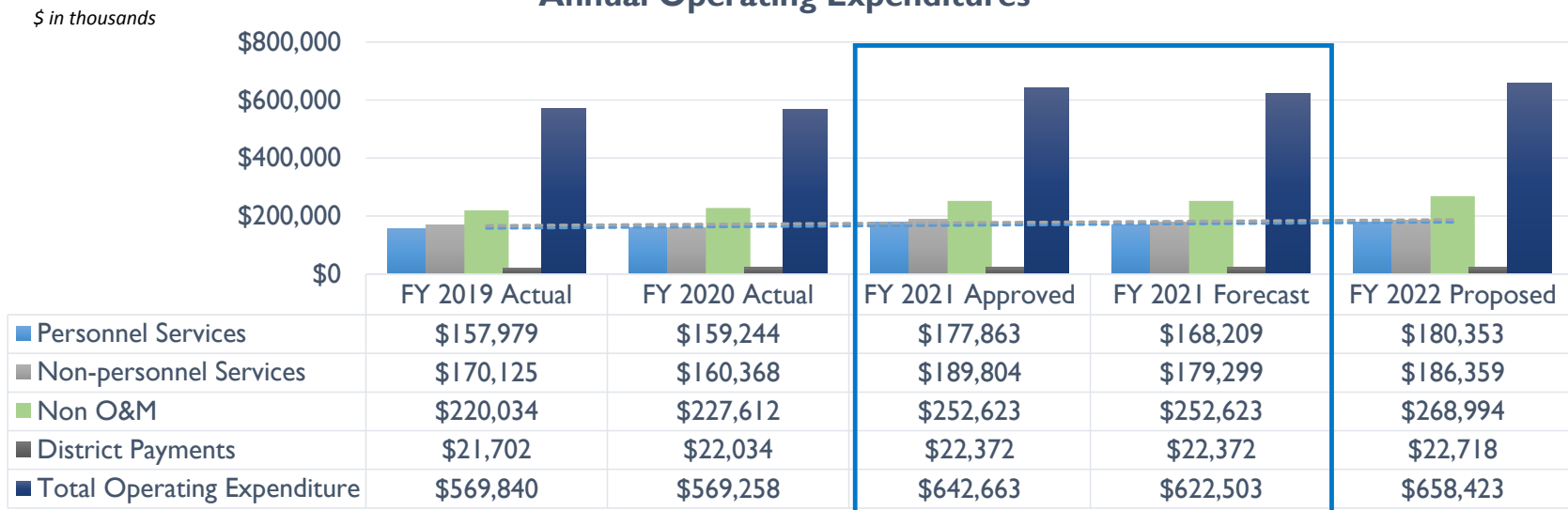
* Personnel Services includes capital labor charges



Operating Budget Trends

- 💧 Core operations & maintenance (O&M) costs have been consistently stable with average growth of 3% - 4% per year
 - Approximately 73% of core O&M costs are fixed and non-discretionary in nature
- 💧 Debt service is one of the fastest growing components of the overall budget
 - Represents 35% of the total operating budget in FY 2022
- 💧 Overall budget is \$22.6 million below previous financial plan forecast for FY 2021

Annual Operating Expenditures





Overview of FY 2021 Forecast

• FY 2021 operating budget spending forecast is \$20 million below the approved level. Departmental spending plans were developed to prioritize critical expenditures and achieve reductions:

- Right-sized funding of vacant positions and continue prioritizing critical positions (\$9.7 million)
- Reduced chemical costs (\$2 million)
- Budgets for lower purchase cost of drinking water based on decline in consumption (\$2.5 million)
- Reduces costs like temporary services and staff augmentation, automotive maintenance, insourcing wet well cleaning activities (\$3.1 million)

- Across the board cost review (litigation, claims, strategic initiatives and software maintenance (\$2.0 million)
- Reduced purchase of custodial parts, office supplies, promotional items and specialized equipment (\$0.3 million)
- Leveraging technology & virtual platforms for events, travels, training, and conferences (\$0.4 million)
- Centralized contingencies





Comparison by Cost Category

- 💧 Total Operations & Maintenance expenditure is projected to decrease by \$0.95 million or 0.3%
- 💧 Overall Operating Expenditure is projected to increase by \$15.8 million or 2.4%

(\$000's)	FY 2020 Revised	FY 2020 Actual	FY 2020 Variance	FY 2021 Approved	FY 2021 Forecast	(Increase)/ Decrease		FY 2022 Proposed	(Increase)/ Decrease	
Regular Pay	\$ 123,293	\$ 116,480	\$ 6,813	\$ 127,675	\$ 121,994	\$5,681	4.7%	\$ 132,146	\$(4,471)	-3.4%
Benefits	39,303	35,930	3,373	42,034	39,153	2,881	7.4%	40,064	1,970	4.9%
Overtime	8,084	6,835	1,249	8,154	7,062	1,092	15.5%	8,143	11	0.1%
Total Personnel Services	170,680	159,245	11,435	177,863	168,209	9,654	5.7%	180,353	(2,490)	-1.4%
Chemical & Supplies	33,157	28,659	4,498	36,081	33,763	2,318	6.9%	34,201	1,880	5.5%
Utilities	26,953	24,705	2,248	27,911	27,771	140	0.5%	27,329	582	2.1%
Contractual Services	81,886	74,503	7,383	88,532	82,987	5,545	6.7%	88,504	28	0.0%
Water Purchases	34,929	31,696	3,233	36,250	33,750	2,500	7.4%	35,217	1,033	2.9%
Small Equipment	989	806	183	1,030	1,028	2	0.2%	1,108	(78)	-7.0%
Total Non-Personnel Services	177,914	160,369	17,545	189,804	179,299	10,505	5.9%	186,359	3,445	1.8%
Total Operations & Maintenance	348,594	319,614	28,980	367,667	347,508	20,159	5.8%	366,711	956	0.3%
Debt Service	207,340	199,056	8,284	222,268	222,268	-	0.0%	231,164	(8,896)	-3.8%
PILOT & ROW	22,034	22,034	-	22,372	22,372	-	0.0%	22,718	(346)	-1.5%
Cash Financed Capital Improvement	28,556	28,556	-	30,355	30,355	-	0.0%	37,830	(7,475)	-19.8%
Total Non-O&M	257,930	249,646	8,284	274,995	274,995	-	0.0%	291,712	(16,717)	-5.7%
Total Operating Expenditure	606,524	569,260	37,264	642,662	622,503	20,159	3.2%	658,423	(15,761)	-2.4%
Capital Labor Charges	(22,748)	(24,906)	2,158	(24,382)	(24,382)	-	0.0%	(25,086)	704	-2.8%
Net Operating Expenditure	583,776	544,354	39,422	618,280	598,121	20,159	3.4%	633,337	(15,057)	-2.4%



Operations & Maintenance Budget Drivers

💧 **Personnel Services – \$180.4 million or increase of \$2.5 million**

- *Regular Pay* – The increase of \$4.5 million includes funding requirements for the merit increase consistent with the union agreement, Apprenticeship program for 14 apprentices, and ten new positions. Additionally, funding for vacancies were rightsized from estimated vacancy rate of 3% in FY 2021 to 5.4% in FY 2022, thereby reducing the overall personnel costs
- *Benefits* – The decrease of \$2 million compared to FY 2021 is mainly from the reduced vacancy funding and lower employee health benefits
- *Overtime* – Relatively flat at \$8.1 million compared to FY 2021 level and is consistent with historical spending trends required for emergency repairs of our aging infrastructure

💧 **Chemicals & Supplies – \$34.2 million or decrease of \$1.9 million**

- *Chemicals* – \$1.9 million decrease in fixed costs for major chemicals (methanol, sodium bisulfite and ferric chloride) used in the wastewater treatment process
- *Supplies* – Relatively flat compared to FY 2021 level and is consistent with historical trends for purchases of parts, and uniforms and shoes for our working crews as required by the union agreement



Operations & Maintenance Budget Drivers

💧 **Utilities – \$27.3 million or decrease of \$0.6 million**

- *Electricity* – \$0.1 million decrease for energy needed to operate the Plant, Pump Stations and other operational facilities. Onsite electric generation of 6MW from the Combined Heat & Power Facility continues to reduce the growth of energy costs and our reliance on the power grid
- *Water Usage* – Net decrease of \$0.4 million in water usage on the Plant was from changes made in the treatment process and comparatively reduced flow on the Plant
- *Fuel* – \$0.1 million decrease as a result of recent reduction in automotive fuel market prices

💧 **Water Purchase – \$35.2 million or decrease of \$1.0 million**

- DC Water purchases drinking water from the Washington Aqueduct and is responsible for approximately 75% of the Aqueduct's operating costs
- Decrease reflects continued decline in water demand

💧 **Small Equipment – \$1.1 million is relatively flat**

- This is mainly for the purchase of small items such as office equipment, cameras, small appliances and tools, rental of postage machines, etc.



Contractual Services

- Overall FY 2022 contractual services budget of \$88.5 million remains relatively flat compared to FY 2021 level
- Approximately 64% of the FY 2022 contractual services budget is for infrastructure maintenance, legal and compliance requirements

\$ in thousands

Category	FY 2021 Approved	FY 2022 Proposed	(Increase)/ Decrease	% of Total FY 2022
Maintenance & Repairs - Wastewater, Water & Sewer Systems	\$ 13,114	\$ 13,227	\$ (112)	15%
Maintenance & Repairs - Automotive	4,210	4,544	(335)	5%
Maintenance & Repairs - Others	1,188	1,048	140	1%
Combined Heat & Power - Operations & Maintenance Cost	4,845	5,034	(189)	6%
Biosolids & BLOOM Related	4,857	4,541	316	5%
Facility & Security Management	8,571	9,946	(1,375)	11%
Legal, Compliance & Strategic	13,310	14,873	(1,563)	17%
Insurance Premiums	3,202	3,558	(356)	4%
Subtotal - Infrastructure Maintenance, Legal and Compliance	53,297	56,771	(3,475)	64%
Technology (Software Maintenance & Professional Services)	13,245	13,304	(60)	15%
Customer Support & Credit Card Fees	3,703	2,815	888	3%
Professional Services	7,137	8,161	(1,023)	9%
Research & Development	1,280	940	340	1%
Environmental Impact Bond (EIB)	3,300	-	3,300	0%
Non-Ratepayer Revenue Fund (NRRF)	500	500	-	1%
Community Outreach Programs	933	959	(26)	1%
Employee Related	3,986	3,779	207	4%
Others (Office Support, Bank Fees, Community Outreach, Employee Related, etc.)	1,151	1,276	(124)	1%
Total	\$ 88,532	\$ 88,504	\$ 28	100%

- Facility & Security Management* - Increases for security guards, janitorial services, fire suppression and detection activities
- Legal, Compliance & Strategic* - Covers litigation contingency, innovation and other strategic programs
- Professional Services* - Includes funding for new programs (leak repairs, Backwater Valve Program, inspection of small local sewers and the maintenance of the Green Infrastructure (GI) facilities), offset by savings from reduced reliance on consultants
- Environmental Impact Bond* - Based on the effectiveness of GI in managing stormwater



Non Operations & Maintenance Budget Drivers

- **Debt Service** – \$231.2 million or increase of \$13.2 million from FY 2021 to FY 2022
 - Planned subordinate debt and FY 2022 Forward Direct Purchase from April 2020
- **PILOT & ROW** – \$22.7 million or increase of \$0.3 million is consistent with MOUs
 - PILOT – Increase of \$0.3 million for payments to the District
 - ROW – Remains at the FY 2021 level for payments to the District
- **Cash Financed Capital Improvements** – \$37.8 million or increase of \$7.4 million
 - PAYGO funding
- **Capital Labor Charges** – \$25.1 million or increase of \$0.7 million
 - Funds personnel costs incurred on capital projects

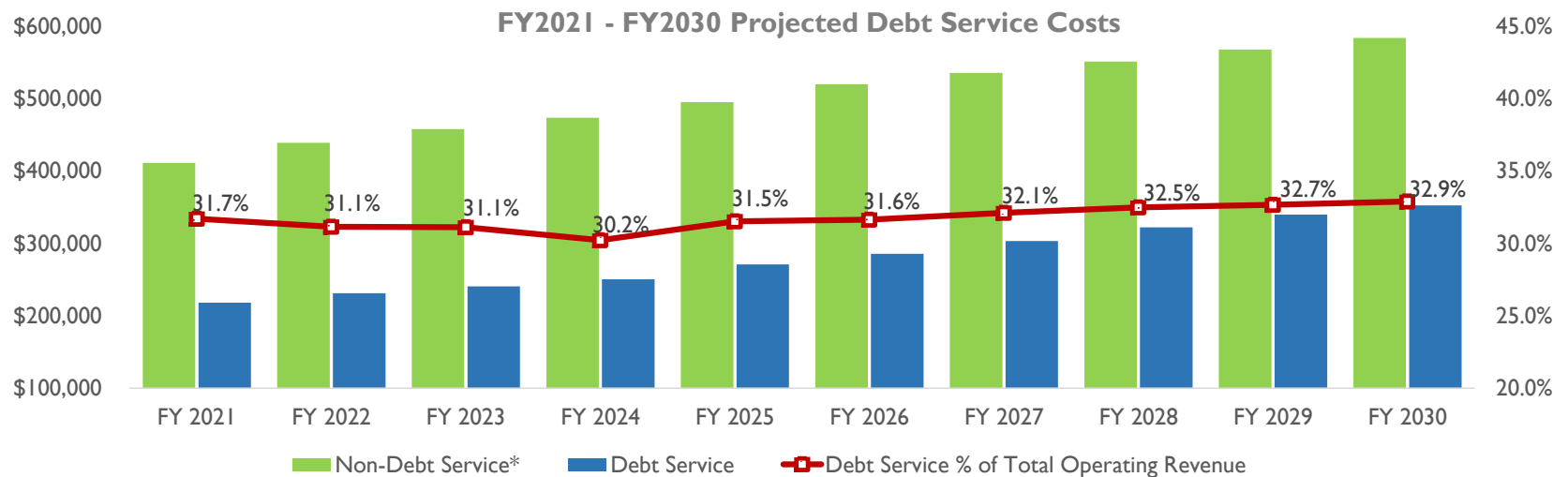


Debt Service Costs

Debt service is the largest driver in the operating budget

- Represents 35.1% of the total operating expenditure budget and 31.1% of operating revenue in FY 2022
- Over the next ten years, about \$2.0 billion is anticipated to be borrowed to fund capital expenditures
- Debt service cost is projected to grow from \$217.9 million in FY 2021 to \$352.4 million by FY 2030 (approx. 62% increase)

\$ in thousands



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



Budget Risks

- 💧 COVID – Revenue impact
- 💧 Personnel - Overtime during emergencies, increased healthcare, staffing and other leave adjustments typically funded from 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 70,000 tons
- 💧 Litigation & Insurance - Impacts of unanticipated legal cases and insurance policy requirements



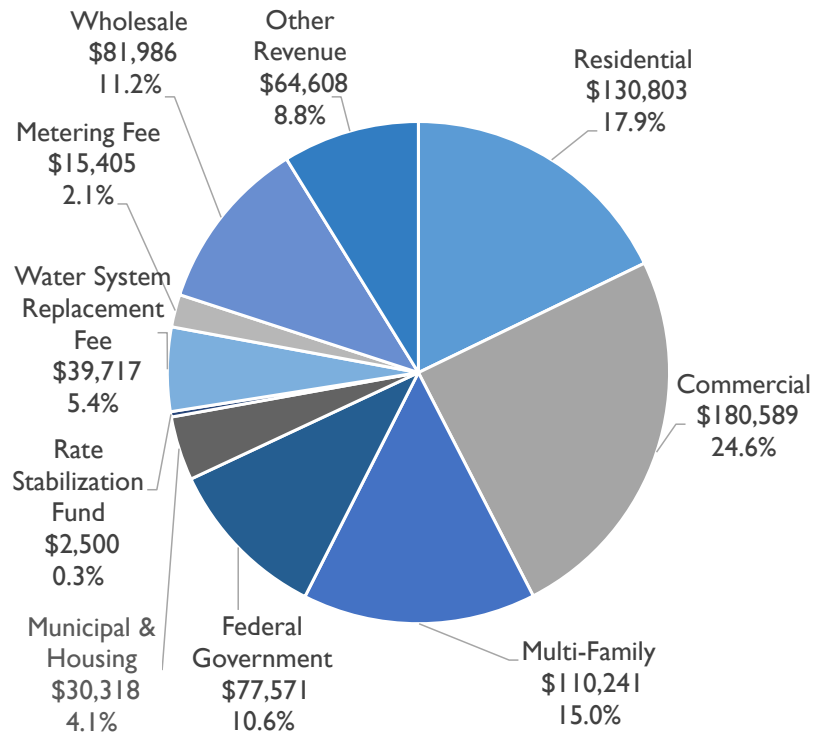
Operating Revenue



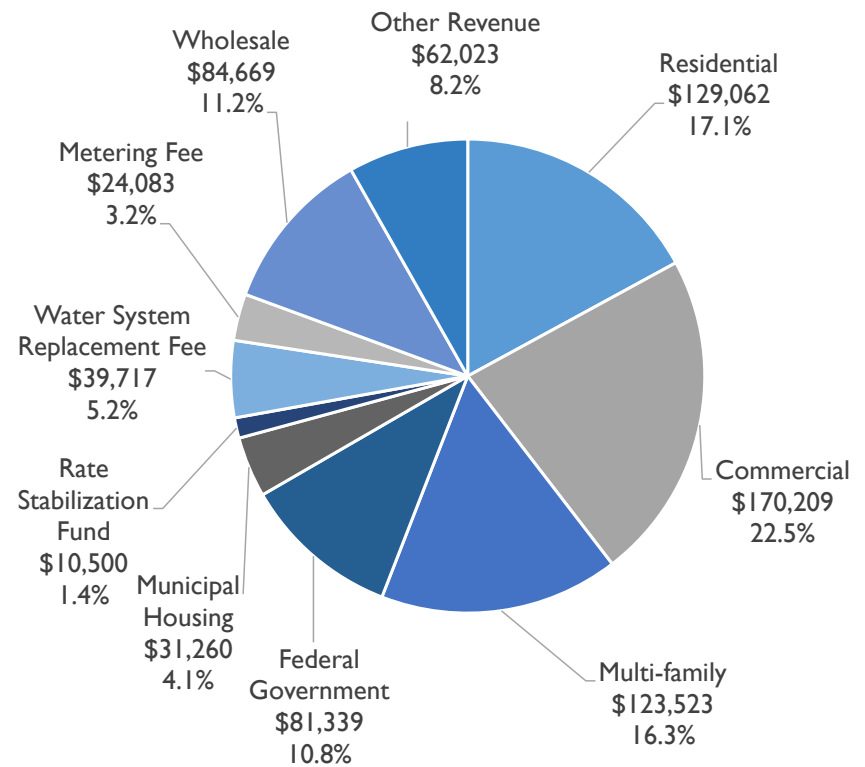
FY 2021 vs. FY 2022 Operating Revenues

\$ in thousands

Approved FY 2021 \$733,738



Proposed FY 2022 \$756,385

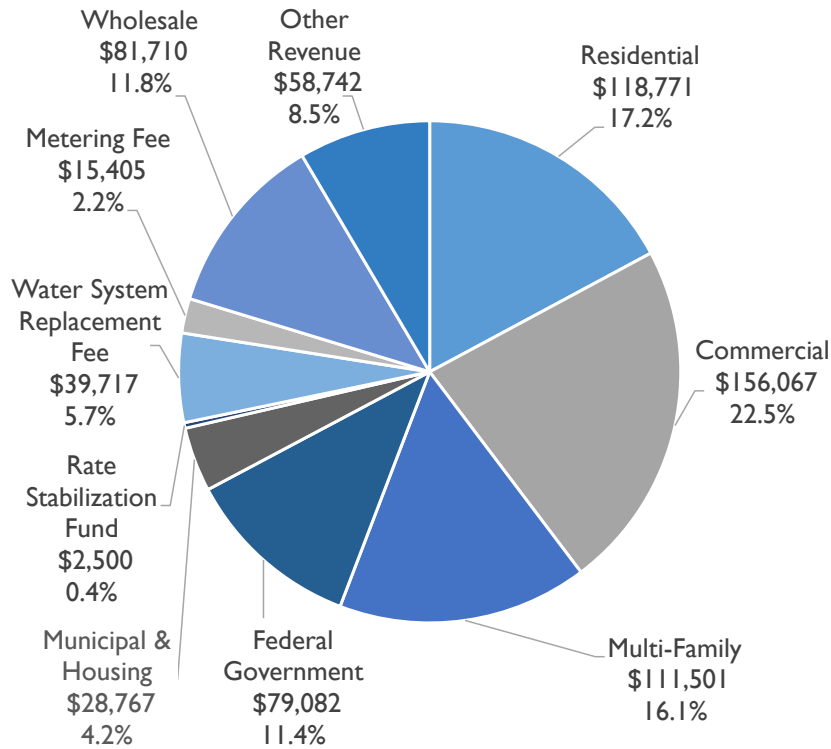




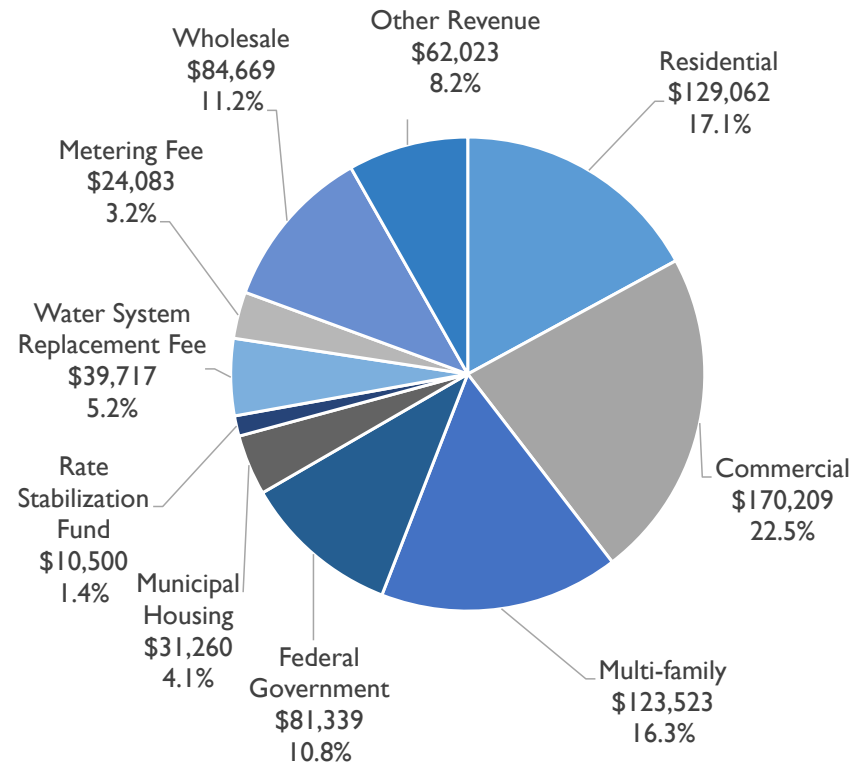
FY 2021 vs. FY 2022 Operating Revenues

\$ in thousands

Revised FY 2021
\$692,262



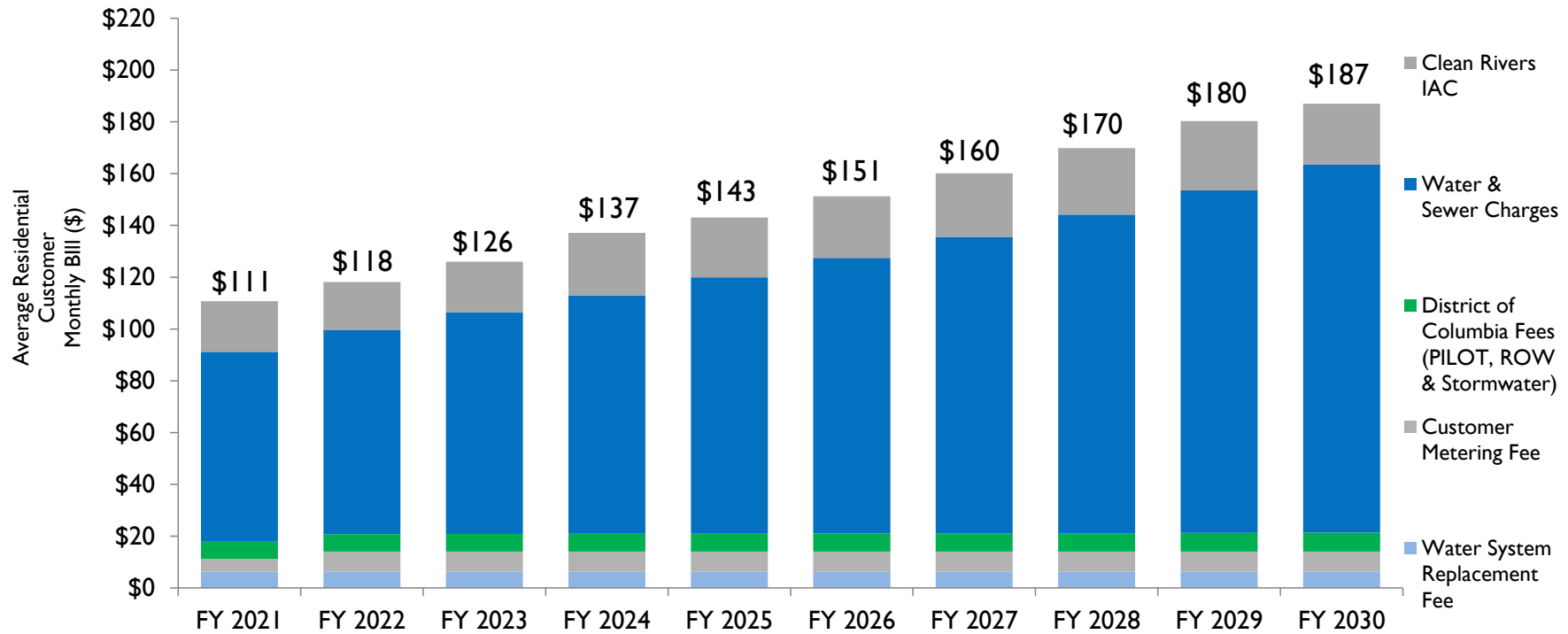
Proposed FY 2022
\$756,385





Projected Average Residential Customer Bill

Projected average monthly residential customer bill ranges from \$111 in FY 2021 to \$187 in FY 2030



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

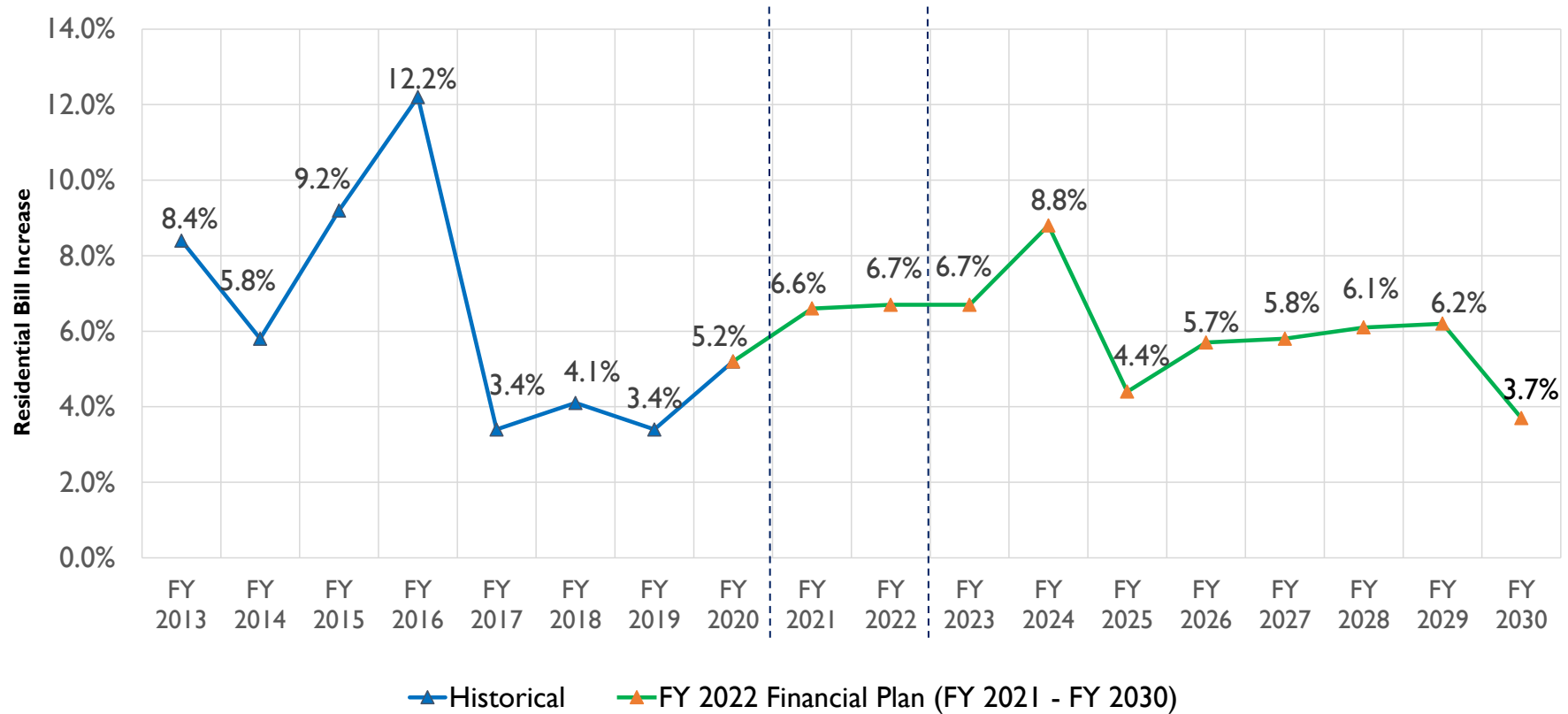


Approved FY 2021 & FY 2022 Rates, Charges & Fees

	Units	FY 2020	Approved FY 2021	Approved FY 2022	Incr. /(Decr.) FY 2021		Incr. /(Decr.) FY 2022	
					\$	%	\$	%
DC Water Retail Rates – Water:								
Residential – Lifeline (0- 4 Ccf)	Ccf	\$3.06	\$3.49	\$3.63	\$0.43	14.1%	\$0.14	4.0%
Residential – (> 4 Ccf)	Ccf	4.10	4.50	4.74	0.40	9.8	0.24	5.3
Multi-family	Ccf	3.54	3.96	4.15	0.42	11.9	0.19	4.8
Non-Residential	Ccf	4.25	4.65	4.91	0.40	9.4	0.26	5.6
DC Water Retail Rates – Sewer	Ccf	8.89	9.77	10.64	0.88	9.9	0.87	8.9
DC Water Clean Rivers IAC	ERU	20.94	19.52	18.40	-1.42	-6.8	-1.12	-5.7
DC Water Customer Metering Fee	5/8”	3.86	4.96	7.75	1.10	28.5	2.79	56.3
DC Water System Replacement Fee	5/8”	6.30	6.30	6.30	-	-	-	-
District of Columbia PILOT Fee	Ccf	0.51	0.54	0.56	0.03	5.9	0.02	3.7
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	-	-	-	-



Historical and Projected Combined Rate Increases





Revenue Comparison by Customer Class

- 💧 Total revenue is projected to decrease by \$17.8 million or -2.5% for FY 2021 due to impact of COVID-19 and increase by \$64.1 million or 9.3% for FY 2022 mainly due to rate increase
- 💧 Retail revenue is projected to decrease by \$1.9 million or -0.3% for FY 2021 and increase by \$49.9 million or 9.1% for FY 2022
- 💧 Wholesale revenue is projected to increase by \$2.6 million or 3.2% for FY 2021 and increase by \$3.0 million or 3.6% for FY 2022 mainly due to 3.0 percent escalation

<i>\$ in thousands</i>	FY 2020	Revised	Proposed	FY 2021 vs		FY 2022 vs	
		FY 2021	FY 2022	FY 2020		FY 2021	
				Incr/(Decr)	Incr/(Decr)		
				\$	%	\$	%
Retail Revenue	\$551,188	\$549,310	\$599,193	-\$1,878	-0.3%	\$49,883	9.1%
Wholesale Revenue							
Potomac Interceptor (PI)	2,648	3,547	3,547	899	34.0%	-	-
Loudoun County Sanitation Authority (LCSA)	7,488	6,620	6,897	-868	-11.6%	277	4.2%
Washington Suburban Sanitary Commission (WSSC)	54,520	56,954	59,049	2,434	4.5%	2,095	3.7%
Fairfax County	14,501	14,589	15,176	88	0.6%	587	4.0%
Total Wholesale Revenue	\$79,157	\$81,710	\$84,669	\$2,553	3.2%	\$2,959	3.6%
Other Revenue	79,752	58,742	62,023	-21,010	-26.3%	3,281	5.6%
Rate Stabilization Fund	-	2,500	10,500	2,500	-	8,000	320.0%
Total Revenues	\$710,097	\$692,262	\$756,385	-\$17,835	-2.5%	\$64,123	9.3%



Average Residential Customer Monthly Bill

	Units	FY 2020	Current FY 2021	Approved FY 2022
DC Water Water and Sewer Retail Rates ⁽¹⁾	Ccf	\$ 66.25	\$ 73.30	\$ 78.92
DC Water Clean Rivers IAC ⁽²⁾	ERU	20.94	19.52	18.40
DC Water Customer Metering Fee	5/8"	3.86	4.96	7.75
DC Water Water System Replacement Fee ⁽⁴⁾	5/8"	6.30	6.30	6.30
Subtotal DC Water Rates & Charges		\$ 97.35	\$ 104.08	\$ 111.37
Increase / Decrease		\$ 5.01	\$ 6.73	\$ 7.29
District of Columbia PILOT Fee ⁽¹⁾	Ccf	\$ 2.76	\$ 2.93	\$ 3.04
District of Columbia Right-of-Way Fee ⁽¹⁾	Ccf	1.03	1.03	1.03
District of Columbia Stormwater Fee ⁽³⁾	ERU	2.67	2.67	2.67
Subtotal District of Columbia Charges		\$ 6.46	\$ 6.63	\$ 6.74
Total Amount Appearing on DC Water Bill		\$ 103.81	\$ 110.71	\$ 118.11
Increase / Decrease Over Prior Year		\$ 5.11	\$ 6.90	\$ 7.40
Percent Increase in Total Bill		5.2%	6.6%	6.7%

(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



Average CAP Customer Monthly Bill

	Units	FY 2020	Current FY 2021	Approved FY 2022
DC Water Water and Sewer Retail Rates ⁽¹⁾	Ccf	\$ 66.25	\$ 73.30	\$ 78.92
DC Water Clean Rivers IAC	ERU	20.94	19.52	18.40
DC Water Customer Metering Fee	5/8"	3.86	4.96	7.75
DC Water Water System Replacement Fee	5/8"	6.30	6.30	6.30
Subtotal DC Water Rates & Charges		\$ 97.35	\$ 104.08	\$ 111.37
Increase / Decrease		\$ 5.01	\$ 6.73	\$ 7.29
District of Columbia PILOT Fee ⁽¹⁾	Ccf	\$ 2.76	\$ 2.93	\$ 3.04
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		\$ 6.46	\$ 6.63	\$ 6.74
Total Amount		\$ 103.81	\$ 110.71	\$ 118.11
Less: CAP Discount (4 Ccf per month) ^{(1), (2)}		(50.60)	(55.96)	(60.08)
Water System Replacement Fee (WSRF) ⁽³⁾		(6.30)	(6.30)	(6.30)
Clean Rivers IAC ⁽⁵⁾		(10.47)	(14.64)	(13.80)
Total Amount Appearing on DC Water Bill		\$ 36.44	\$ 33.81	\$ 37.93
Increase / Decrease Over Prior Year		\$ 0.90	\$ (2.63)	\$ 4.12
CAP Customer Discount as a Percent of Total Bill		-64.9%	-69.5%	-67.9%

(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 50 percent discount for FY2020 and 75% discount for FY2021 and FY2022 for the Clean Rivers IAC



Customer Impacts

💧 Rates for FY 2022 have already been approved by the Board

💧 Customer Impacts

Residential Avg. Ccf 5.42, ERU 1	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Water & Sewer Rate (%)	9.9%	7.8%	8.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
CRIAC (\$/ERU)	\$19.52	\$18.40	\$19.58	\$24.07	\$23.07	\$23.82	\$24.56	\$25.64	\$26.78	\$23.45
Avg. Customer Bill (\$)	\$111	\$118	\$126	\$137	\$143	\$151	\$160	\$170	\$180	\$187
Avg. Customer Bill (%)	6.6%	6.7%	6.7%	8.8%	4.4%	5.7%	5.8%	6.1%	6.2%	3.7%
Multi-family Avg. Ccf 86.14, ERU 6.83	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Water & Sewer Rate (%)	9.9%	7.8%	8.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
CRIAC (\$/ERU)	\$19.52	\$18.40	\$19.58	\$24.07	\$23.07	\$23.82	\$24.56	\$25.64	\$26.78	\$23.45
Avg. Customer Bill (\$)	\$1,447	\$1,538	\$1,654	\$1,791	\$1,896	\$2,022	\$2,157	\$2,304	\$2,461	\$2,600
Avg. Customer Bill (%)	8.0%	6.2%	7.6%	8.3%	5.9%	6.6%	6.7%	6.8%	6.8%	5.6%
Commercial Avg. Ccf 115.82 ERU 14.17	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Water & Sewer Rate (%)	9.9%	7.8%	8.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
CRIAC (\$/ERU)	\$19.52	\$18.40	\$19.58	\$24.07	\$23.07	\$23.82	\$24.56	\$25.64	\$26.78	\$23.45
Avg. Customer Bill (\$)	\$2,163	\$2,285	\$2,456	\$2,669	\$2,814	\$2,994	\$3,189	\$3,401	\$3,629	\$3,809
Avg. Customer Bill (%)	6.6%	5.7%	7.5%	8.7%	5.4%	6.4%	6.5%	6.7%	6.7%	5.0%



Customer Assistance Programs



Customer Assistance

💧 Five most common water and wastewater programs (US Environmental Protection Agency)

https://www.epa.gov/sites/production/files/2016-04/documents/dw_ww_utilities_cap_combined_508-front2.pdf

- ✓ **Bill Discount** – CAP, CAP2, CAP3, CRIAC Non-Profit Relief
- ✓ **Flexible Terms** – Customer Service provides to our customers
- ✓ **Lifeline Rate** – For the first four Ccf of water
- ✓ **Temporary Assistance** – SPLASH, DC Water cares, Multi-family assistance
- ✓ **Water Efficiency** – Proposed new program

For more information on customer assistance programs, see: <https://www.dewater.com/customer-assistance>



Customer Assistance

💧 CAP

- Discount on the first 3,000 gallons of water, sewer, PILOT and ROW services each month. 75 percent reduction in CRIAC and Water Service Replacement Fee waiver; monthly discount is approximately \$77

💧 CAP 2

- Discount on the first 2,250 gallons of water and sewer services used each month (with the exception of PILOT and ROW fees) and a 50 percent reduction in CRIAC fee; monthly discount is approximately \$50

💧 CAP 3

- Provides a discount of 75 percent off of the CRIAC; monthly discount is approximately \$15

💧 Emergency Residential Relief Program

- Eligible households may receive bill assistance up to \$2,000 as a one-time emergency benefit

💧 Nonprofit Relief Program

- Assists eligible organizations with Clean Rivers Impervious Area Charge (CRIAC). Participants can receive credits of up to 90 percent of the CRIAC portion of their water bill



Let us help with your water bill



Customer Assistance, Cont'd

💧 **DC Water Cares Emergency Residential Relief Program for Low-Income Customers**

- Eligible households may receive bill assistance up to \$2,000 as a one-time emergency benefit

💧 **DC Water Multi-family Emergency Assistance Program**

- Eligible Multi-family Customers may receive bill assistance up to \$2,000 as a one-time emergency benefit





Customer Assistance

Customer Assistance Programs (FY 2017 to FY 2020)

<i>Fiscal Year</i>	<i>Total</i>			<i>Total</i>				<i>Grand Total</i>
	<i>CAP</i>	<i>CAP2</i>	<i>CAP & CAP2</i>	<i>CAP3</i>	<i>Non-Profit</i>	<i>CRIAC-ERRP</i>	<i>CAP3, Non Profit and CRIAC-ERRP</i>	
FY 2017	\$ 1,135,297.25	\$ -	\$ 1,135,297.25	\$ -	\$ -	\$ -	\$ -	\$ 1,135,297.25
FY 2018	\$ 1,188,574.48	\$ -	\$ 1,188,574.48	\$ -	\$ -	\$ -	\$ -	\$ 1,188,574.48
FY 2019	\$ 1,290,797.25	\$ 47,490.48	\$ 1,338,287.73	\$ 9,435.75	\$ 1,360,561.41	\$ -	\$ 1,369,997.16	\$ 2,708,284.89
FY 2020	\$ 1,584,808.37	\$ 173,836.70	\$ 1,758,645.07	\$ 25,862.96	\$ 1,028,752.63	\$ 884,388.18	\$ 1,939,003.77	\$ 3,697,648.84

Number of Accounts (FY 2017 to FY 2020)

<i>Fiscal Year</i>	<i>Number of Accounts - Processed</i>					<i>Number of Accounts - Enrolled</i>				
	<i>CAP</i>	<i>CAP2</i>	<i>CAP3</i>	<i>Non-Profit</i>	<i>CRIAC-ERRP</i>	<i>CAP</i>	<i>CAP2</i>	<i>CAP3</i>	<i>Non-Profit</i>	<i>CRIAC-ERRP</i>
FY 2017	4,244	0	0	0	0	3,136	0	0	0	0
FY 2018	4,324	0	0	0	0	3,519	0	0	0	0
FY 2019	4,436	191	48	175	0	3,249	260	48	175	0
FY 2020	4,818	681	133	189	2,098	3,818	624	133	189	2,098



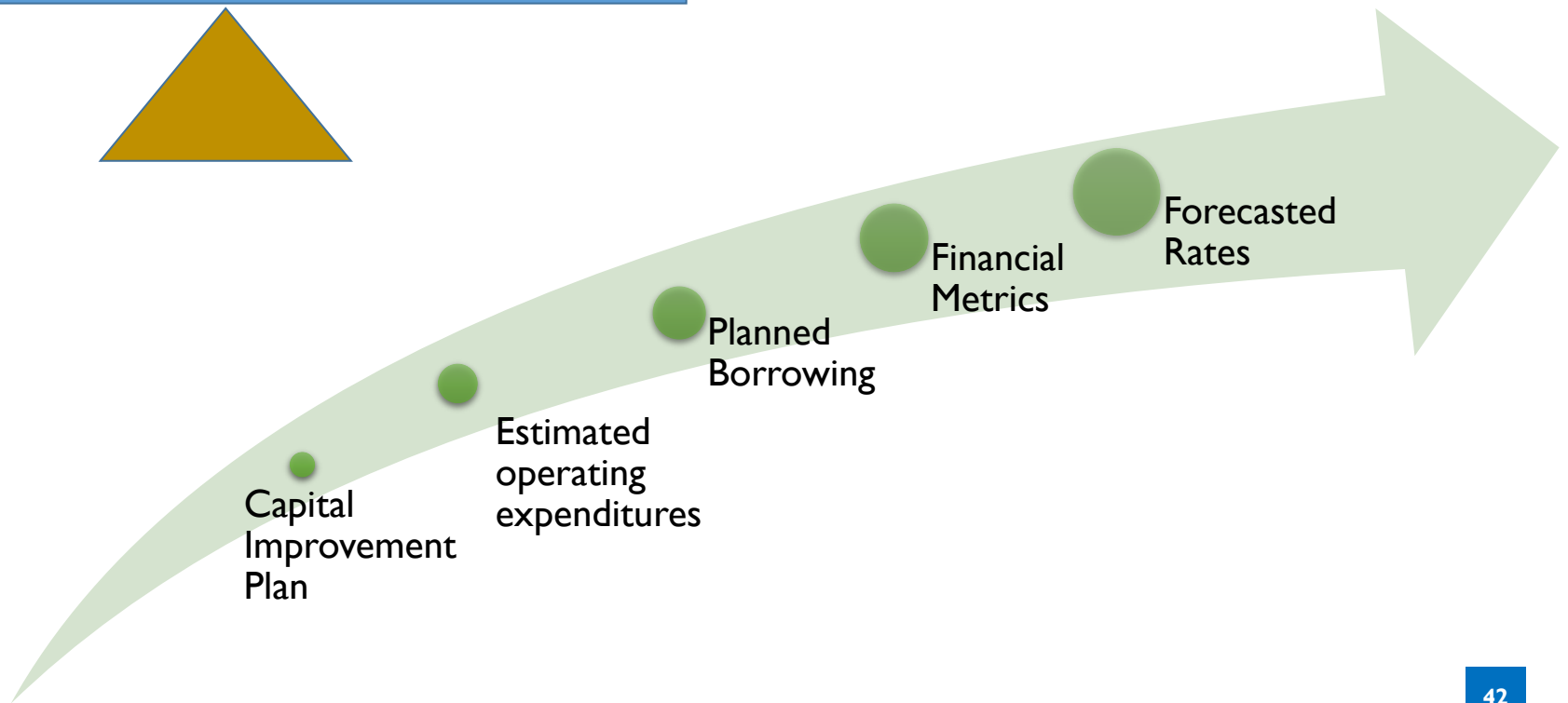
Financial Plan



Financial Plan

Infrastructure
Investment

Rates and
Affordability





Financial Metrics

Metrics	Indenture Requirement	Board Policy	Management Target	Financial Plan
Days of Cash on Hand	60 days	\$125.5 million or 120 Days	250 Days	276 - 306 Days
Combined Coverage Ratio	—	—	1.6X	1.68X – 1.88
Senior Coverage	1.2X	1.4X	—	4.77X – 6.42X
Subordinate Coverage	1.0X	1.0X	—	2.05X – 2.26X
Debt Service as a % of Revenue	—	—	33% of Revenue or Less	28.2% - 32.9%
Rate Stabilization Fund	—	—	10% of Revenue	



Proposed Financial Plan vs. Previously Board Approved Financial Plan

	Financial Plan Change
Residential, Commercial and Multi-Family Revenue	For FY 2022, a \$20.3 million decrease due to continued 15% decline in commercial consumption
Total Financial Plan Revenue	\$244.9 million decrease in total revenue for FY 2021 – FY 2029 in Proposed Financial Plan vs. Previously Board Approved Financial Plan
Delinquencies	\$1 million per month will continue through FY 2021
Late Fees	Waived through FY 2021
Operating Expense	Decreased by \$12 million as a result of budget process
Capital Budget	\$135 million reduction to reduce planned borrowing
Total CIP	Remains unchanged at \$5.4 billion (\$5.45 billion previous, \$5.43 billion current)



Ten-Year Financial Plan

\$ in thousands

OPERATING	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
Retail*	\$ 570,055	\$ 620,781	\$ 648,304	\$ 700,728	\$ 727,823	\$ 766,019	\$ 805,865	\$ 850,203	\$ 896,819	\$ 924,823
Wholesale*	81,709	84,669	87,209	89,825	92,520	95,295	98,154	101,099	104,132	107,256
Other	37,997	40,435	41,136	44,580	47,256	52,054	54,209	56,710	58,977	59,700
RSF	2,500	10,500	-	-	-	-	-	-	-	-
Operating Receipts ⁽¹⁾	\$ 692,262	\$ 756,385	\$ 776,649	\$ 835,133	\$ 867,599	\$ 913,369	\$ 958,228	\$ 1,008,012	\$ 1,059,928	\$ 1,091,778
Operating Expenses	(345,498)	(364,345)	(375,219)	(386,427)	(397,980)	(409,886)	(422,159)	(434,809)	(447,847)	(461,287)
Debt Service	(217,944)	(231,164)	(240,459)	(250,382)	(270,935)	(285,552)	(303,384)	(322,075)	(339,858)	(352,409)
Cash Financed Capital Improvement	\$ (30,355)	\$ (37,830)	\$ (45,381)	\$ (49,051)	\$ (58,226)	\$ (68,942)	\$ (72,528)	\$ (76,518)	\$ (80,714)	\$ (83,234)
Net Revenues After Debt Service	\$ 98,464	\$ 123,046	\$ 115,589	\$ 149,273	\$ 140,458	\$ 148,988	\$ 160,158	\$ 174,610	\$ 191,509	\$ 194,848
Operating Reserve-Beg Balance	186,827	185,000	194,000	201,000	205,000	215,000	220,000	230,000	240,000	250,000
Other Misc (Disbursements)/Receipts										
Wholesale/Federal True Up	918	(2,854)	(3,761)	(6,742)	-	-	-	-	-	-
Project Billing Refunds	(4,000)	-	-	-	-	-	-	-	-	-
Transfers To RSF	-	-	-	-	-	-	-	-	-	-
Pay-Go Financing	(97,209)	(111,192)	(104,828)	(138,532)	(130,458)	(143,988)	(150,158)	(164,610)	(181,509)	(189,848)
Operating Reserve - Ending Balance	\$ 185,000	\$ 194,000	\$ 201,000	\$ 205,000	\$ 215,000	\$ 220,000	\$ 230,000	\$ 240,000	\$ 250,000	\$ 255,000
Rate Stabilization Fund Balance RSF ⁽²⁾	\$ (87,744)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)	\$ (77,244)
Senior Debt Service Coverage	477%	532%	489%	587%	620%	594%	572%	589%	642%	641%
Combined Debt Service Coverage	168%	178%	175%	186%	182%	185%	185%	186%	188%	186%
Actual/Projected Water/Sewer Rate Increases	9.9%	7.8%	8.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
*Operating Receipts \$ Increase/Decrease										
Retail	(2,680)	50,727	27,523	52,425	27,094	38,196	39,846	44,337	46,617	28,004
Wholesale	2,553	2,959	2,540	2,616	2,695	2,776	2,859	2,945	3,033	3,124
*Operating Receipts % Increase/Decrease										
Retail	-0.5%	8.9%	4.4%	8.1%	3.9%	5.2%	5.2%	5.5%	5.5%	3.1%
Wholesale	3.2%	3.6%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

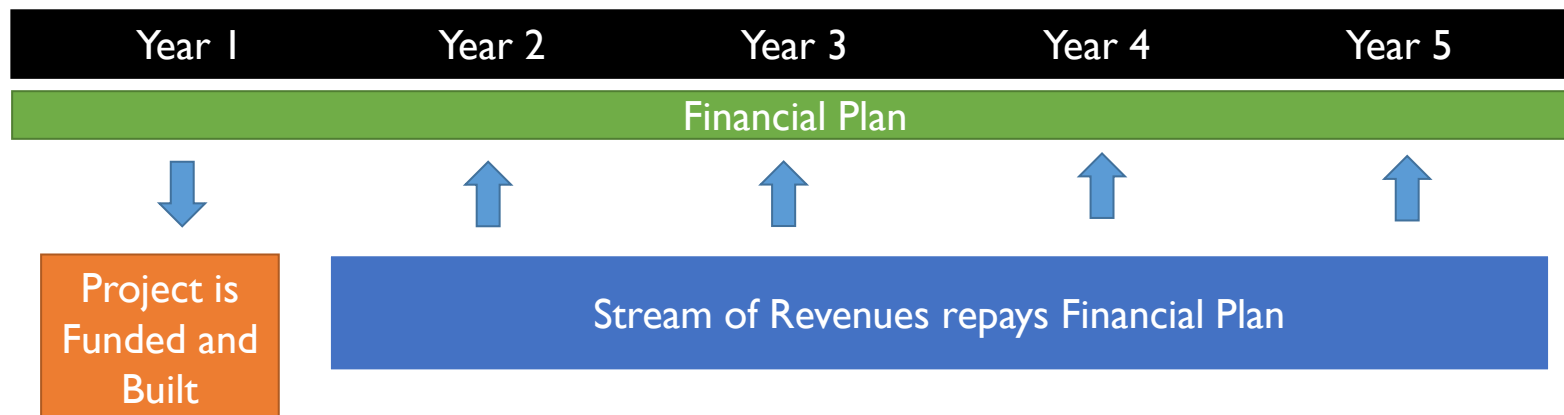
⁽¹⁾ Includes interest earnings on senior lien revenue bonds' debt service reserve fund

⁽²⁾ FY 2022 planned transfers of \$0.0 million to Rate Stabilization Fund and \$10.5 million utilization will bring the total fund balance to \$77.2 million



Framework for Innovation

- DC Water is working to balance the impact of rates and affordability with infrastructure investment and the cost of delivering water and sewer services
 - In the capital program infrastructure improvements typically score higher than non-discretionary projects that reduce costs or generate revenue
- To fund those projects that generate revenue or achieve quantifiable budget savings, \$12.9 million has been included in the financial plan
 - Because the funds will be repaid, there is no net impact on the financial plan or on rates
- Business cases for proposed projects will be developed through a structured and deliberate process, established with the Innovation Refresh project, specifying both value and effort to determine benefit; project approval is by Senior Executive Team



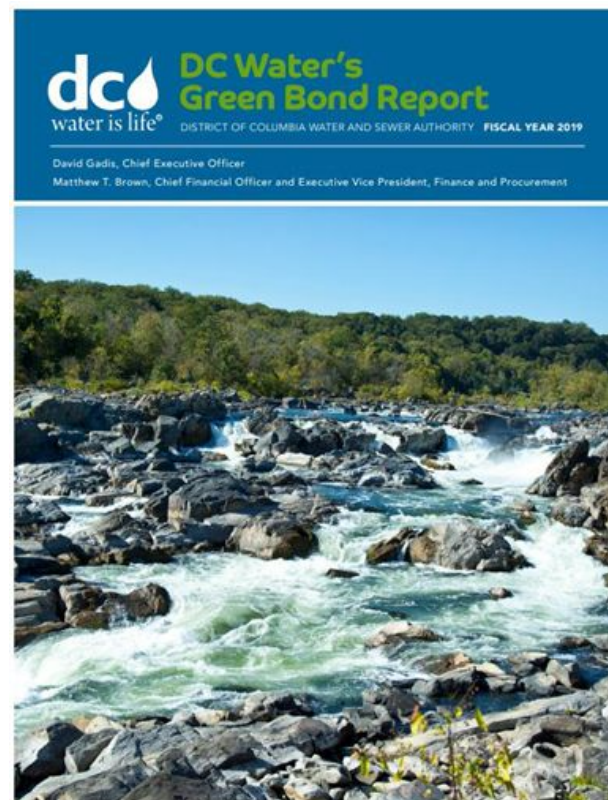


Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing



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 2021 and FY 2022 the amount requested is \$340 million; DC Water has three years from the time of the last expenditure to make the reimbursement
 - Due to reductions in capital spending, DC Water may delay entering the market until Fall 2021 or Winter 2022
 - May combine the borrowing for FY 2021 and FY 2022 for approximately \$340 to \$400 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





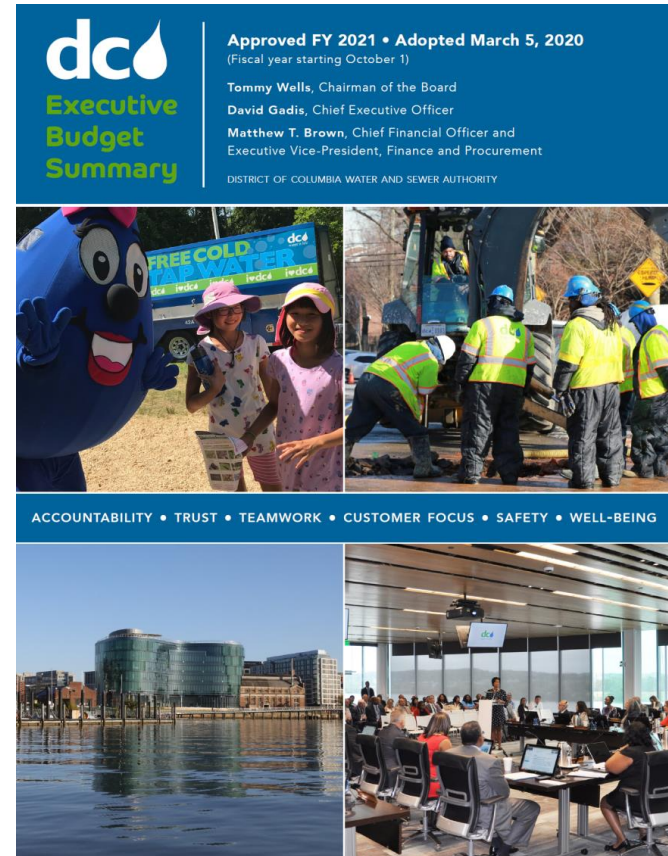
Next Steps



Management Recommendation

In March, management will present the following recommendations to the respective Committees for appropriate actions to the full Board for approval:

- Proposed FY 2022 Operating Expenditure Budget of \$658.4 million
- Proposed revised FY 2021 CIP budget of \$471.3 million
- Proposed FY 2021 – FY 2030 Capital Disbursements of \$5.43 billion and Lifetime Project Budget of \$12.13 billion
- Proposed FY 2021 – FY 2030 Financial Plan, including the revenue requirements to support the operating and capital budgets
- Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing





Next Steps

- ▶ **Board Member Questions & Follow Up**
 - Submit budget-related questions to Board Secretary
 - Board Secretary will distribute questions to appropriate staff
- ▶ **Committee Reviews, Recommendations & Actions – **March****



	Environmental Quality & Operations	DC Retail Water & Sewer Rates	Finance & Budget
FY 2021 - FY 2030 Capital Budget (Disbursements & Lifetime)	Action Required		Action Required
Revise FY 2022 Capital Disbursements	Action Required		Action Required
FY 2022 Operating Budget			Action Required
Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing			Action Required
FY 2021 – FY 2030 Financial Plan		Action Required	Action Required
FY 2022 Rates, Charges & Fees		Action Required	

- ▶ **Board Adoption – **April I****

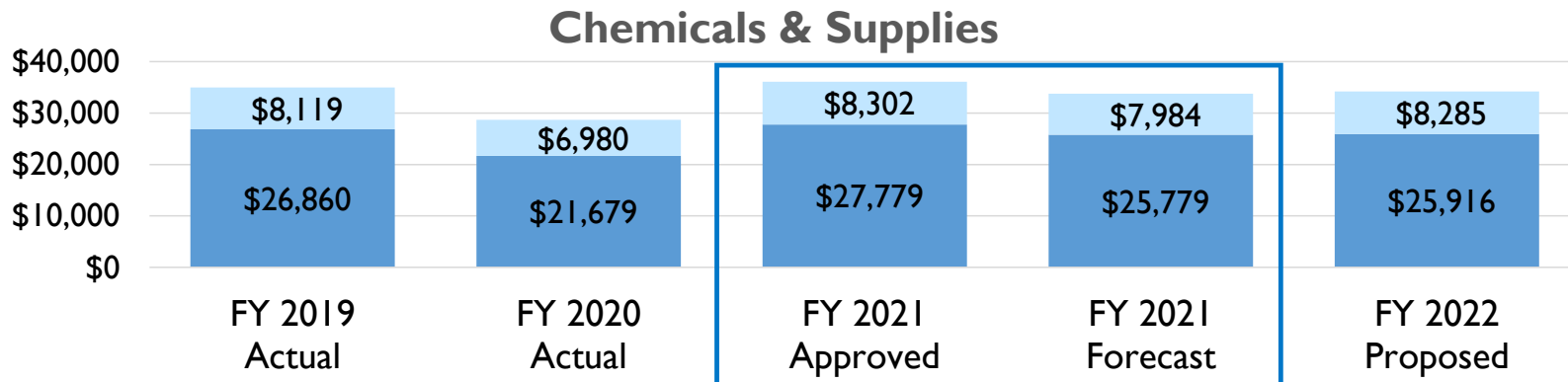
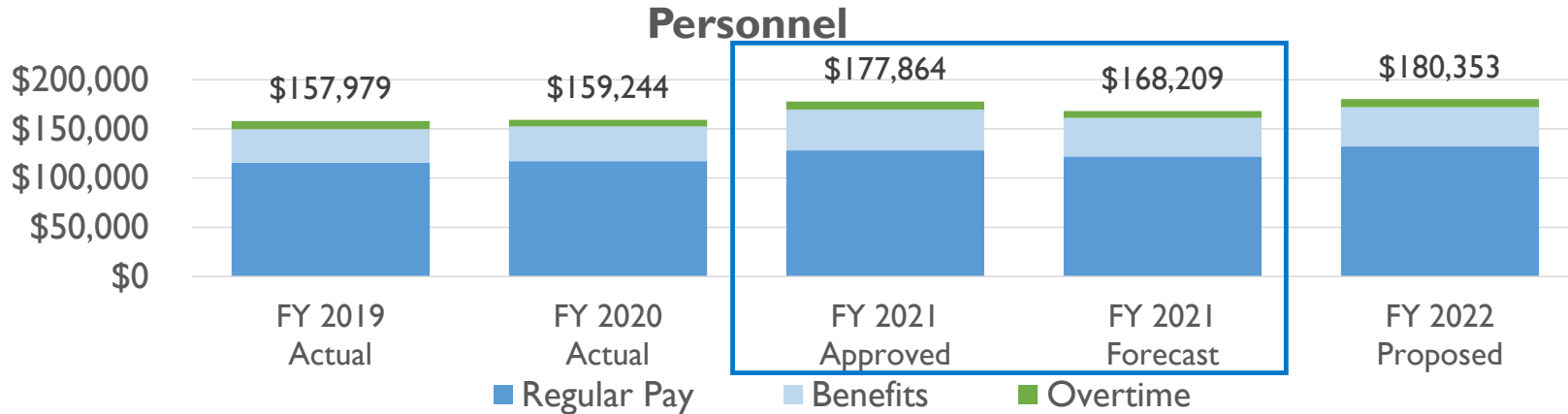


Appendix



Historical & Projected O&M Trends

\$ in thousands

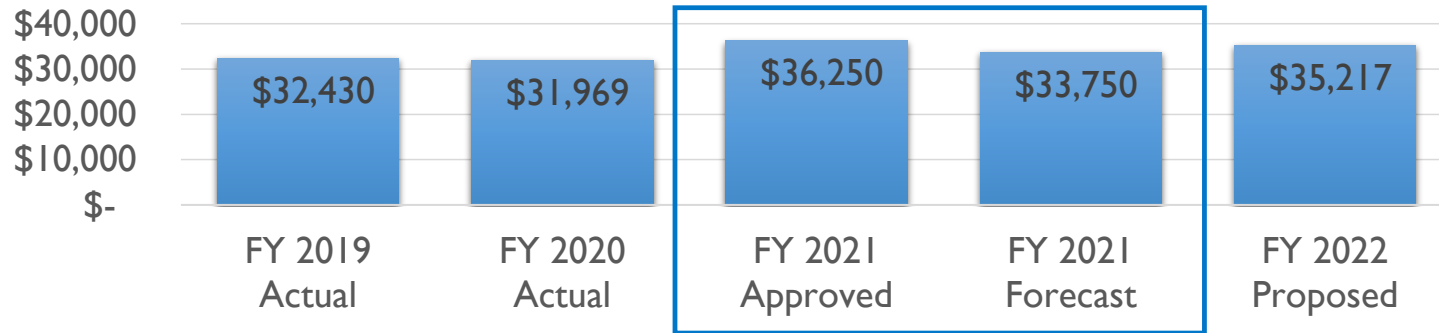




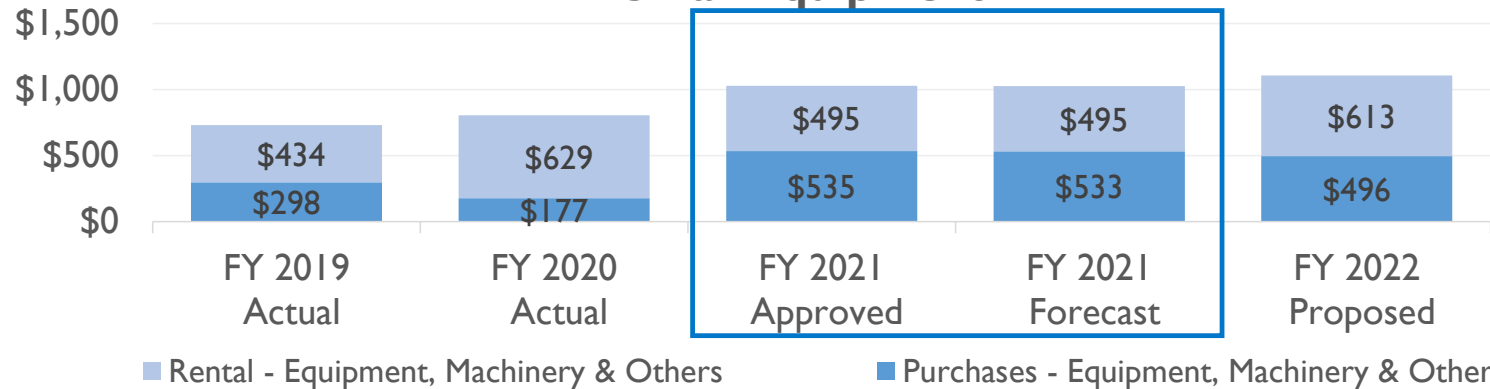
Historical & Projected O&M Trends, cont.

\$ in thousands

Water Purchases



Small Equipment



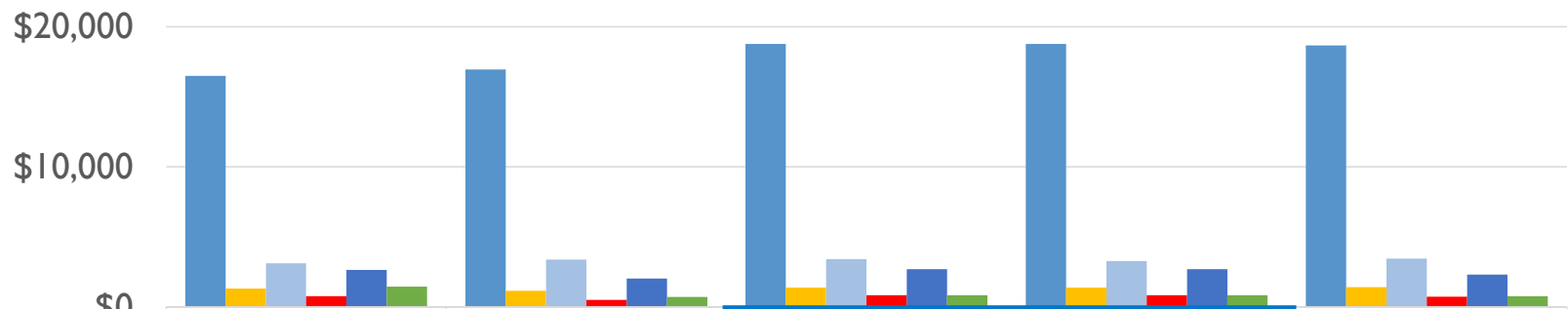
■ Rental - Equipment, Machinery & Others ■ Purchases - Equipment, Machinery & Others



Historical & Projected O&M Trends, cont.

\$ in thousands

Utilities

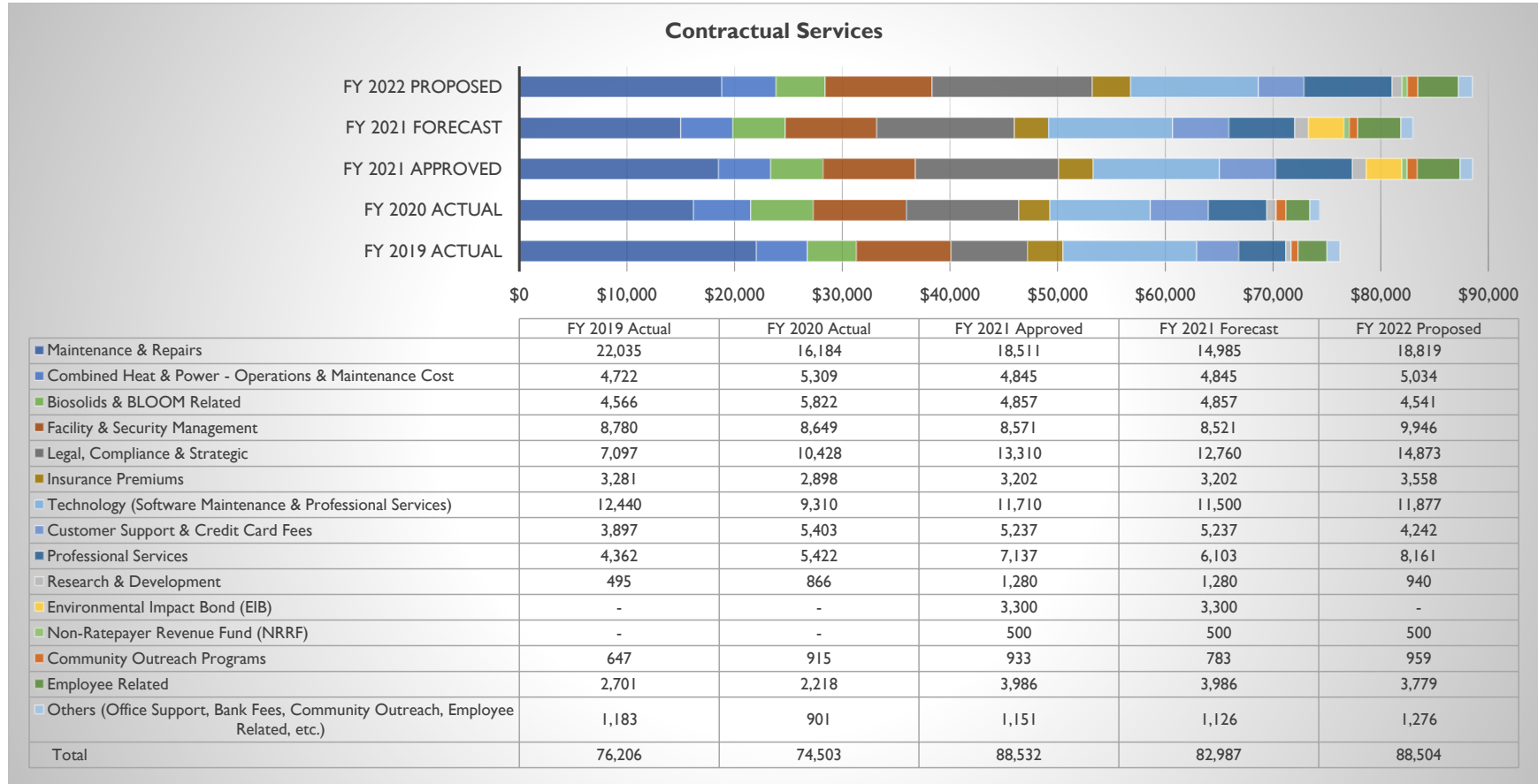


	FY 2019 Actual	FY 2020 Actual	FY 2021 Approved	FY 2021 Forecast	FY 2022 Proposed
Electricity	\$16,489	\$16,944	\$18,764	\$18,764	\$18,664
Natural Gas	1,299	1,148	1,375	1,375	1,420
Telecommunications	3,120	3,371	3,413	3,273	3,452
Fuel Automotive	765	504	830	830	725
Water	2,641	2,030	2,697	2,697	2,313
Rental	1,445	708	832	832	755



Historical & Projected O&M Trends, cont.

\$ in thousands





Breakdown of 10-Year & Lifetime Project CIP

	Proposed Disbursement Plan											10-yr Total	Last Year's CIP	(Increase)/Decrease	Lifetime Budget
	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030					
NON PROCESS FACILITIES	\$38,004	\$12,725	\$21,321	\$22,204	\$6,350	\$5,262	\$3,066	\$844	\$0	\$0	\$109,776	\$137,479	\$27,703	\$210,031	
WASTEWATER TREATMENT															
Liquid Processing	27,817	32,187	43,326	57,315	49,011	72,645	95,707	98,920	84,012	82,419	643,359	574,216	(69,143)	1,250,842	
Plantwide	18,011	13,638	27,701	28,147	38,830	50,636	29,432	16,268	25,231	21,468	269,362	257,826	(11,536)	491,232	
Solids Processing	25,763	17,255	24,181	33,068	19,981	16,672	6,487	10,504	12,838	28,595	195,344	180,971	(14,373)	929,651	
Enhanced Nitrogen Removal Facilities	7,401	842	2,529	1,129	-	-	2,206	1,861	11,665	23,293	50,926	36,239	(14,687)	803,410	
WASTEWATER TREATMENT	78,992	63,922	97,737	119,659	107,822	139,953	133,832	127,553	133,746	155,775	1,158,991	1,049,252	(109,739)	3,475,135	
COMBINED SEWER OVERFLOW															
DC Clean Rivers Program	165,435	160,582	118,360	66,803	58,231	147,834	99,877	86,036	113,315	11,436	1,027,910	1,202,288	174,378	2,760,365	
Combined Sewer Overflow Program	5,407	4,694	8,238	11,158	18,986	9,787	4,931	5,378	11,278	15,209	95,066	109,078	14,012	218,708	
COMBINED SEWER OVERFLOW	170,842	165,276	126,598	77,962	77,216	157,621	104,808	91,414	124,593	26,645	1,122,976	1,311,366	188,390	2,979,072	
STORMWATER															
Storm Local Drainage Program	-	33	188	1,511	2,773	1,191	1,792	1,970	1,709	260	11,427	11,166	(261)	18,025	
Storm On-Going Program	649	1,315	837	866	526	875	843	1,084	1,287	935	9,217	9,069	(148)	10,788	
Storm Pumping Facilities	5,023	7,314	5,535	1,877	2,400	2,627	2,136	4,279	1,755	5,497	38,443	33,839	(4,604)	62,809	
Stormwater Program Management	164	429	591	653	506	604	318	385	306	236	4,192	4,003	(189)	14,179	
Stormwater Trunk/Force Sewers	95	137	58	202	123	-	-	-	-	-	615	613	(2)	15,510	
STORMWATER	5,931	9,228	7,209	5,109	6,328	5,297	5,089	7,718	5,057	6,928	63,894	58,690	(5,204)	121,310	
SANITARY SEWER															
Sanitary Collection System	2,914	694	16,374	29,071	33,030	58,298	64,514	37,628	30,750	32,132	305,405	370,154	64,749	512,171	
Sanitary On-Going Projects	13,267	13,381	12,358	14,453	13,200	13,576	13,988	14,395	14,850	15,289	130,757	141,529	2,772	198,935	
Sanitary Pumping Facilities	2,076	4,358	6,831	10,669	8,852	12,329	13,824	25,188	30,468	31,299	145,894	124,196	(21,699)	251,721	
Sanitary Program Management	7,728	8,099	9,132	8,070	7,451	10,519	9,589	8,680	6,311	5,783	81,361	44,250	(37,111)	196,108	
Interceptor/Trunk Force Sewers	24,562	48,905	49,421	64,121	68,019	88,169	112,328	80,843	55,668	49,521	641,557	548,794	(92,763)	936,759	
SANITARY SEWER	50,547	75,437	94,116	126,383	130,552	182,891	214,243	166,734	138,047	134,024	1,312,973	1,228,922	(84,052)	2,095,695	
WATER															
Water Distribution Systems	46,643	68,528	82,740	71,899	89,272	82,322	85,853	87,095	87,109	84,434	785,895	748,211	(37,683)	1,502,345	
Lead Free DC Program	6,179	6,075	5,908	5,869	5,963	5,396	5,428	5,666	5,739	5,390	57,613	55,117	(2,496)	243,956	
Water On-Going Projects	12,126	12,480	13,457	15,287	14,274	14,390	16,670	17,818	18,000	19,000	153,502	164,761	11,259	212,590	
Water Pumping Facilities	1,328	5,045	10,281	6,736	3,947	5,814	2,395	4,495	215	2,571	42,827	43,350	523	72,646	
DDOT Water Projects	1,016	152	13	-	-	-	-	-	-	-	1,181	1,739	558	33,933	
Water Storage Facilities	4,521	3,056	2,498	9,565	4,724	9,333	7,967	6,841	2,611	3,602	54,718	67,662	12,944	155,760	
Water Service Program Management	3,550	4,873	4,193	2,762	4,354	5,689	8,380	7,866	5,157	5,157	51,981	55,272	3,291	125,733	
WATER	75,362	100,209	119,090	112,118	122,534	122,944	126,693	129,781	118,831	120,155	1,147,717	1,136,112	(11,605)	2,346,963	
CAPITAL PROJECTS	419,678	426,797	466,072	463,435	450,803	613,968	587,731	524,044	520,274	443,526	4,916,327	4,921,821	5,493	11,228,206	
CAPITAL EQUIPMENT	36,207	36,019	36,611	28,578	33,103	33,103	33,103	33,103	33,103	33,103	336,036	333,015	(3,021)	336,036	
WASHINGTON AQUEDUCT	15,382	13,324	37,903	8,414	16,012	34,208	11,240	10,919	18,885	13,838	180,125	195,178	15,053	180,125	
ADDITIONAL CAPITAL PROGRAMS	51,589	49,343	74,513	36,992	49,115	67,312	44,344	44,023	51,988	46,942	516,161	528,193	12,032	516,161	
LABOR														388,747	
TOTAL CAPITAL BUDGETS	471,267	476,140	540,585	500,427	499,918	681,280	632,075	568,067	572,262	490,468	5,432,489	5,450,013	17,524	12,133,115	
Last Years CIP	507,590	611,008	531,323	438,195	461,193	580,092	589,978	628,404	650,006	-	5,450,013	5,450,013	17,524	12,390,598	
(Increase)/Decrease	\$36,323	\$134,868	(\$9,262)	(\$62,232)	(\$38,725)	(\$101,188)	(\$42,096)	\$60,338	\$77,744	(\$490,468)	\$17,524	-	-	\$257,483	