

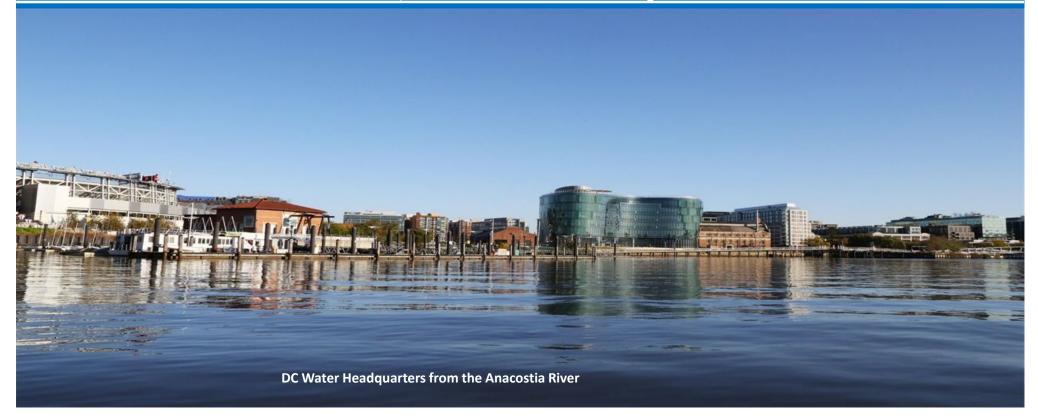
FY20-29 Proposed CIP Budget

Presentation to the Environmental Quality and Operations Committee January 16, 2020

Adam Ortiz, Chair

District of Columbia Water and Sewer Authority

Leonard R. Benson, Senior Vice President and Chief Engineer





Proposed Capital Improvement Program Leonard Benson



Agenda

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10-Year Engineering CIP Options Compared

Service Area	Approved Baseline \$4.4B (FY19-28)	Proposed Baseline \$4.9B (FY20-29)	Asset Management \$5.4B (FY19-28)	Fully Funded \$5.8B (FY20-29)
Clean Rivers	Fully funded to meet Consent Decree	Fully funded to meet Consent Decree	Fully funded 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	Fully funded to meet NPDES Permit and established levels of service
Stormwater	Fully funded	Fully funded	Fully funded	Fully funded
Water				
Pump Stations & Storage Facilities	Generally funded	Generally funded	Fully Funded	Fully Funded
Small Diameter Water Mains	Underfunded; (Funded to meet 1% per year replacement level - [11 mi/year])	per year replacement level - [11		Fully funded to ramp up to 2% replacement level [22 mi/year]
Large Diameter Water Mains	Generally funded	Generally funded	Generally funded	Fully Funded
Sewer				
Pump Stations	Fully funded	Fully funded	Fully funded	Fully funded
Sewer Lines < 60" diameter	Underfunded (Funded to ramp up to 1.0% per year rehabilitation level [17.5 mi/year] by FY 2023	Increased funding to ramp up to I.5% per year replacement level from FY 2027 onwards. [26 mi/year]	Fully funded to ramp up to 2.3% rehabilitation level [40 mi/year]	Fully funded to ramp up to 2.3% rehabilitation level [40 mi/year]
Sewer Lines ≥ 60"	Generally Funded	Generally Funded	Generally Funded	Fully funded
Non Process	Fully funded	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



Proposed FY 20-29 CIP Budget

The I 0-year capital program Engineering Projects:

- Begins the implementation of the "Modified Baseline" approved last year, and adds additional funds to reach 1.5% replacement plans for water and sewer infrastructure within the ten-year plan, balancing infrastructure renewal and affordability
- Fully funds the **Clean Rivers** program to meet all consent decree deadlines
- Funds **non-process facilities** including the new Fleet and Sewer Facilities, renovations to the Historic Main Pump Station, and restoration of the Main & O campus seawall
- At Blue Plains funds upgrades to Screens, Grit and Primary Facilities, and Process Control Computer System, Efficiency Improvements, and Long-term Concrete Rehabilitation projects
- Advances major rehabilitation of sanitary collection sewers, upgrades to sewer pump stations, rehabilitation of the Potomac Interceptor and increased funding to ramp up to 1.5% replacements per year starting FY 2027 and onwards for the small diameter water mains and small sewer lines
- Includes carryover from prior year to complete the Enterprise Resource Planning (ERP) and Advanced Meter Infrastructure (AMI) projects, and increased funding for Fleet, pumps and other equipment



Screens, Grit & Primary Facilities Upgrades



6th St SW



Proposed FY 20-29 CIP Budget

Capital Equipment and Washington Aqueduct:

- Capital Equipment Funded at \$333 million for planned equipment spending including the procurement of backhoes, jet-vacs, catch basin trucks and other aged vehicles to meet operational needs
- Washington Aqueduct (WAD) Total of \$195.2 million, an increase of \$8.1 million for DC Water's share of WAD's capital program







Washington Aqueduct



Proposed FY 20-29 CIP Budget

The CIP balances financial and affordability concerns with additional investment in our assets that begin to address aging water and sewer infrastructure during this 10-year period

- Capital Construction Projects \$4.92 billion, highlights include:
 - \$1.2 billion fully funds the DC Clean Rivers' project to meet Consent Decree requirements
 - \$57 million increase in the Sewer Service area to ramp up to 1.5% small sewer lines replacement from FY 2027 onwards, ten-year total of \$1.2 billion in Sewer
 - \$102 million increase in the Water Service area to ramp up to the 1.5% of small diameter water mains replacement per year from FY 2027 onwards, ten-year total of \$1.1 billion in Water
 - \$55 million for Efficiency Improvement projects FY 2021 and FY 2022
 - \$72 million for New Project—Blue Plains Long Term Concrete Rehabilitation, applied asset management principles to prioritize and re-schedule out-year projects to maintain ten-year total of \$1.0 billion in Wastewater Treatment



10-Year CIP - Service Area Summary

- The proposed FY 2020 disbursement includes the underspending from FY 2019 to remain congruent with previously approved rate increases
- Ramp-up to the Modified Baseline CIP beginning in FY 2021

Service Area (\$000's)	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	10-Yr Total	Last Year's CIP	(Increase) /Decrease
Non-Process Facilities	\$ 42,066	\$ 31,849	\$ 20,665	\$ 6,831	\$ 11,058	\$ 10,396	\$ 3,901	\$ 3,553	\$ 3,560	\$ 3,600	\$ 137,479	\$ 138,067	\$ 588
Wastewater Treatment	77,536	102,976	113,378	107,232	107,312	70,680	97,878	101,839	132,256	138,165	1,049,252	978,738	(70,514)
Clean Rivers	162,197	147,565	179,833	129,272	67,536	59,909	148,771	103,265	88,890	115,049	1,202,288	1,262,589	60,301
Combined Sewer	9,239	9,493	12,816	16,553	16,731	8,568	6,699	7,572	8,972	12,435	109,078	79,178	(29,900)
Stormwater	6,869	9,631	7,535	4,170	5,392	4,660	4,201	4,306	6,869	5,057	58,690	68,608	9,918
Sanitary Sewer	44,933	63,926	115,541	88,110	91,562	138,341	159,814	176,789	175,873	174,032	1,228,922	957,135	(271,787)
Water	62,163	88,677	108,878	109,000	92,905	101,765	116,319	146,791	154,916	154,697	1,136,112	945,015	(191,097)
CAPITAL PROJECTS	405,004	454,118	558,645	461,168	392,496	394,318	537,584	544,115	571,337	603,035	4,921,821	4,429,330	(492,491)
Capital Equipment	31,703	37,207	33,790	32,315	33,000	33,000	33,000	33,000	33,000	33,000	333,015	340,324	7,309
Washington Aqueduct	15,515	16,266	18,572	37,841	12,699	33,875	9,508	12,863	24,068	13,971	195,178	187,127	(8,051)
ADDITIONAL CAPITAL PROGRAMS	47,218	53,473	52,362	70,156	45,698	66,875	42,509	45,863	57,068	46,971	528,193	527,450	(743)
TOTAL CIP	\$ 452,223	\$ 507,590	\$611,008	\$531,322	\$ 438,194	\$461,193	\$ 580,093	\$ 589,978	\$ 628,404	\$650,006	\$5,450,013	\$ 4,956,780	\$ (493,233)
Last Years CIP	420,342	467,016	561,724	530,006	422,607	450,358	585,454	535,666	544,490	439,117	4,956,780		
(Increase)/Decrease	(31,880)	(40,574)	(49,284)	(1,317)	(15,587)	(10,835)	5,361	(54,312)	(83,914)	(210,890)	(493,232)		



Prioritization of Spending – Capital Projects

Proposed Baseline CIP

Higher Priority → **Lower Priority**

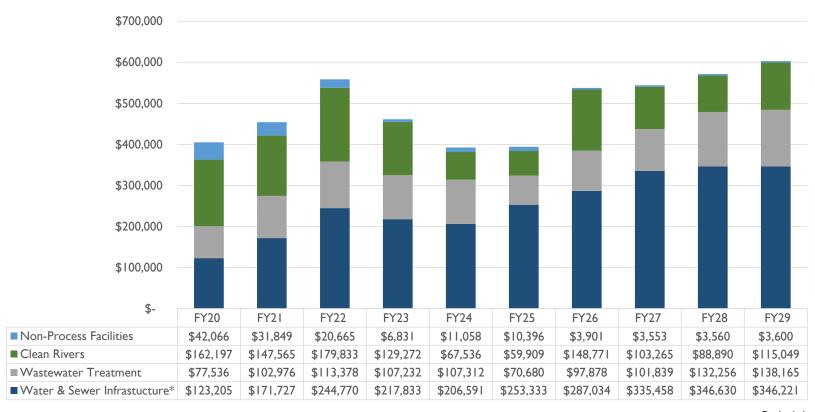
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	1A		2A	2B	2C	2D	3A		3B	
	Mandat	tes	Health & Safety	Board Policy	Potential Failure	High Profile Good Neighbor	Good Engin High Payl		Good Engineering	
	Agreements, F standards, Coo Issues and I requirements, Agreement	urt orders, Permits Stipulated	Required to address Public Safety	Undertaken as a result of the Board's commitment to outside agencies	Related to Facilities in danger of failing, or critical to meeting permit requirements	Address Public concerns	Need to fulfill and upgrade		Need to fulfill Mission and upgrade Facilities (Lower priority Projects)	(\$000's)
FY 2019	174,384	43%	4,332	63,844	30,328	2,280	69,201	17%	60,636	\$405,004
FY 2020	147,209	32%	5,490	72,762	24,593	821	114,837	25%	88,405	\$454,118
FY 2021	179,572	32%	12,019	59,755	36,803	5,403	164,558	29%	100,536	\$558,645
FY 2022	129,073	28%	9,469	53,835	28,274	2,403	130,057	28%	108,055	\$461,168
FY 2023	67,830	17%	18,788	41,514	21,997	190	136,794	35%	105,384	\$392,496
FY 2024	60,177	15%	19,009	46,213	22,496	788	169,952	43%	75,684	\$394,318
FY 2025	148,771	28%	13,180	49,037	23,766	2,837	191,721	36%	108,272	\$537,584
FY 2026	103,265	19%	6,062	83,507	21,349	105	210,855	39%	118,971	\$544,115
FY 2027	88,890	16%	717	99,437	21,629	-	209,161	37%	151,501	\$571,336
FY 2028	115,049	19%	1,516	104,227	18,768	-	207,451	34%	156,024	\$603,035
Total	\$1,214,221		\$90,582	\$674,131	\$250,004	\$14,826	\$1,604,588		\$1,073,468	\$4,921,820
% of Total	24.7%		1.8%	13.7%	5.1%	0.3%	32.6%		21.8%	

⁻ Cash disbursements basis



10-Year CIP Disbursement Forecast

\$ in thousands



^{*} Includes the following Service Areas: Water, Sanitary Sewer, Stormwater, and non-Clean Rivers portion of Combined Sewer Overflow

⁻ Cash disbursements basis

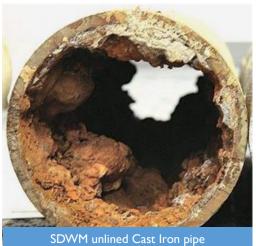


Major Initiatives Funded in Proposed CIP

- DC Clean Rivers (\$1,202 million)
 - Anacostia LTCP Projects (\$471 million)
 - Potomac LTCP Projects (\$510 million)
 - Rock Creek LTCP Projects (\$221 million)
- ♦ Wastewater Blue Plains (\$1,049 million)
 - Enhanced Nitrogen Removal Facilities (\$36 million)
 - Liquid Processing (\$574 million)
 - Solids Processing (\$258 million)
 - Plantwide (\$181 million)
- Water Program (\$1,136 million)
 - Water Distribution System (\$748 million)
 - Water Lead Program (\$55 million)
 - Water Ongoing (\$165 million)
 - Water Pumping Facilities (\$43 million)
 - Water Storage Facilities (\$68 million)
 - Water Program Management (\$55 million)



PSW Pump - Seal Failures



\$'s - Projected FY 2020 - FY 2029 Disbursements



Major Initiatives Funded in Proposed CIP (cont.)

- Sewer Program (\$1,229 million)
 - Sanitary Collection Sewers (\$370 million)
 - Sewer Ongoing (\$141 million)
 - Sanitary Pumping Facilities (\$124 million)
 - Sanitary Interceptor/Trunk/Force Sewers (\$549 million)
 - Sewer Program Management (\$44 million)
- **♦** Combined Sewer Overflow (\$85 million)
 - Pump Station & Facilities (\$63 million)
 - Large Sewers (\$22 million)
- Stormwater (\$59 million)
 - Local storm drainage & program mgt (\$16 million)
 - DSS Stormwater ongoing projects (\$9 million)
 - Pump Stations Rehabilitation (\$34 million)
- Non-Process (\$137 million)
 - New Headquarters Building (\$3 million)
 - Main & O Redevelopment Efforts (\$43 million)
 - Roof and HVAC Replacements (\$26 million)
 - Historic Building Restoration (\$17 million)
 - Main & O Seawall Restoration (\$12 million)



10th St at Otis St, NE (10"VCP, deformed, broken



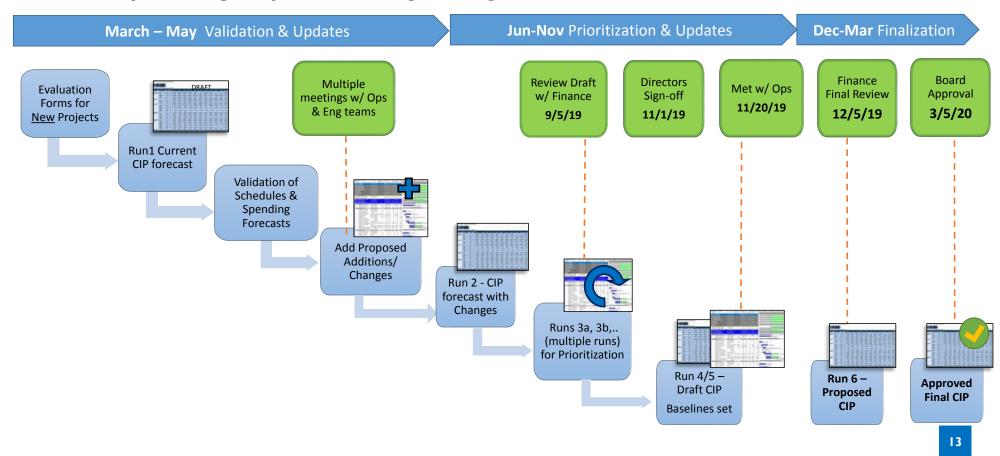
Tumps with leaking scar

\$'s - Projected FY 2020 - FY 2029 Disbursements



CIP Budget Cycle Overview

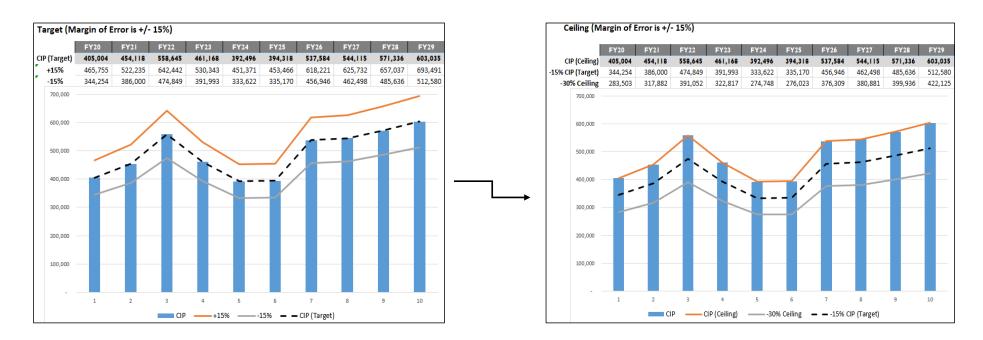
FY20-29 I 0-year Budget Cycle Plan - Engineering





CIP Approach - Target vs Ceiling

- The forecasts for FY19 and FYs onwards are considered not-to-exceed <u>ceilings</u>, rather than targets
- FY19 the Ceiling was \$392M, Actual disbursements were \$367M (within 6% of Ceiling)
- A margin of error of +/-15% is the expectation set for forecasting one year out based on previous experience



Future Performance is measured based on CIP disbursements occurring within this CIP bandwidth



Proposed FY20 - FY29 CIP

- The overall increase to **Capital Projects** compared to the FY19-28 plan is \$493M
- The increase from the 10year window shifting accounts for \$211M of this overall increase, i.e. FY19 (\$391M) vs FY29 (\$603M)
- The remaining increase of \$281M is mainly from the Water (\$98M) & Sewer (\$143M) service areas

			Run 6 - FY2020-2029 Proposed Disbursement Plan								-	Approved Base (F			
		FY20*	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	10-Yr Total	**Lifetime	^10-Yr Total	Delta
NON PROCESS FACILITIES															
Facility Land Use		42,066	31,849	20,665	6,831	11,058	10,396	3,901	3,553	3,560	3,600	137,479	221,841	126,358	(11,12
	Subtotal	42,066	31,849	20,665	6,831	11,058	10,396	3,901	3,553	3,560	3,600	137,479	221,841	126,358	(11,121
WASTEWATER TREATMENT															
Liquid Processing		24,516	42,496	43,069	48,748	44,909	31,792	66,989	68,544	99,413	103,740	574,216	1,266,857	635,675	61,45
Plantwide		17,387	32,784	42.213	30,735	37,879	23,127	18,231	25,062	20,506	9,902	257,826	525,997	209,807	(48,01
Solids Processing		19,847	27,314	27,424	25,852	22,754	15,761	12,658	6,027	10,476	12,858	180,971	924,507	138,068	(42,90
Enhanced Nitrogen Removal Facilities		15,786	382	672	1,897	1,770			2,206	1,861	11,665	36,239	980,940	63,374	27,13
72-1	Subtotal	77,536	102,976	113,378	107,232	107,312	70,680	97,878	101,839	132,256	138,165	1,049,252	3,698,301	1,046,924	(2,32
COMBINED SEWER OVERFLOW															
DC Clean Rivers Program		162,197	147,565	179,833	129,272	67,536	59,909	148,771	103,265	88,890	115,049	1,202,288	2,764,255	1,189,779	(12,509
Combined Sewer Program Manageme	nt	1,287	1,792	2,237	2,972	3,028	2,050	2,629	2,515	3,125	2,519	24,154	77,756	24,327	17.
Combined Sewer Overflow Program		7,952	7,701	10,579	13,581	13,703	6,518	4,070	5,057	5,847	9,916	84,924	199,729	59,795	(25,129
<u> </u>	Subtotal	171,436	157,058	192,649	145,824	84,267	68,476	155,470	110,837	97,863	127,484	1,311,366	3,041,740	1,273,901	(37,465
STORMWATER															
Storm Local Drainage Program		12	22	688	594	1,267	1,948	1,164	1,792	1,970	1,709	11,166	18,025	9,749	(1,41)
Storm On-Going Program		1,011	631	1,109	837	866	526	875	843	1,084	1,287	9,069	11,540	7,591	(1,47)
Storm Pumping Facilities		5,310	8,392	4,923	2.259	2,854	1,865	1,698	1,353	3,430	1,755	33,839	61,204	49,311	15,47
Storm DDOT Projects													3,237		
Stormwater Program Managemet		410	445	582	367	405	321	464	318	385	306	4,003	12,889	2,538	(1,465
Stormwater Trunk/Force Sewers		126	141	233	113		-			-		613	15,510	255	(358
VIV. T. T. S.	Subtotal	6,869	9,631	7,535	4,170	5,392	4,660	4,201	4,306	6,869	5,057	58,690	122,404	69,444	10,754
SANITARY SEWER															
Sanitary Collection System		4,613	8,134	33,564	18,009	24,312	33,040	52,923	68,745	65,771	61,043	370,154	569,040	297,321	(72,83
Sanitary On-Going Projectss		12,099	12,327	13,711	13,667	14,185	15,019	15,253	15,111	15,312	14,842	141,529	217,969	143,428	1,89
Sanitary Pumping Facilities		2,570	5,995	6,924	8,240	5,068	10,468	11,639	11,933	27,732	33,628	124,196	270,778	121,119	(3,07)
Sanitary Program Management		4,150	5,464	7,014	5,132	3,913	3,103	3,174	3,900	4,064	4,335	44,250	119,050	42,933	(1,317
Interceptor/Trunk Force Sewers		21,501	32,006	54,327	43,062	44,084	76,710	76,826	77,100	62,993	60,184	548,794	918,096	481,440	(67,354
	Subtotal	44,933	63,926	115,541	88,110	91,562	138,341	159,814	176,789	175,873	174,032	1,228,922	2,094,934	1,086,241	(142,681
WATER		1000		***********										0.5400	
Water Distribution Systems		33,872	60,464	62,606	65,093	58,654	64,372	65,350	99,075	117,595	121,131	748,211	1,446,953	669,041	(79,170
Water Lead Program		4,711	5,408	5,387	5,456	5,627	5,719	5,496	5,744	5.877	5,692	55,117	243,504	64,536	9,419
Water On-Going Projects		10,532	11,075	12,297	13,351	15,199	16,789	18,583	20,447	22,981	23,506	164,761	217,972	163,517	(1,24)
Water Pumping Facilities		1.525	2,650	12,169	6,284	2,567	4,218	7,446	4,163	2,328	1.0	43,350	85,344	35,794	(7,556
DDOT Water Projects		1,721	10	8							- 50	1,739	33,933	84	(1,65
Water Storage Facilities		6,216	4,318	10,399	13,963	5,610	4,783	11,334	8,985	694	1,360	67,662	155,164	49,158	(18,50-
Water Service Program Management		3,587	4,752	6,012	4,854	5,248	5,884	8,110	8,376	5,441	3,008	55,272	90,944	55,698	426
	Subtotal	62,163	88,677	108,878	109,000	92,905	101,765	116,319	146,791	154,916	154,697	1,136,112	2,273,813	1,037,828	(98,284
CAPITAL P	ROIECTS	405,004	454,118	558,645	461,168	392,496	394,318	537,584	544,115	571,336	603,035	4,921,820	11,453,033	4,640,696	(281,124

^{**} Lifetime budget is the total budget, including available budget and the actual spent to date

[^] The 10-yr total comparison is calculated for the same period FY20-29, i.e. last years Approved (Run5c) years FY20-28 plus this year's new FY29, compared to this proposed Run 6 FY20-29



CIP Risks/Sensitivities

Regulatory/Consent Decree/Permitting

- E. Coli Total Maximum Daily Load (TMDL) lawsuit by environmental groups seeking more restrictive TMDL
- EPA developing new Anacostia River trash TMDL
- MS4 permit rehabilitation of Stormwater Outfalls, total scope and cost unknown (currently \$5 million approved)
- National Parks Service permitting requirements for sewer projects
- Anacostia River Sediment Clean-up
- Chesapeake Bay TMDL Phase 3 Watershed Implementation Plans being prepared, possible TMDL reassessment in the future
- Potential regulation requirements for contaminants (e.g. Polychlorinated Biphenyls (PCBs)
- Green Infrastructure (GI) Practicability Assessment Clean Rivers practicability assessment of GI to be performed in 2020. Currently, construction of GI in the District is more expensive than originally estimated
- Sanitary Sewer Overflows (SSO) Risk of SSO Consent Decree
- Odor control for secondary treatment at Blue Plains



CIP Risks/Sensitivities (cont.)

- Blue Plains Process Optimization & Revenue Opportunities
 - Full Plant Deammonification (>\$60 million)
 - Additional capacity for Digesters, Thermal Hydrolysis and Combined Heat and Power
 - Resource Recovery (Hot Water Heating Loop; Sludge Drying)

Other:

- Lead Service Replacement Program
- DDOT and Pepco DC Power Line Undergrounding (DC PLUG) (\$57 million, DC Water Share is 50% = \$28 million)
- Condition assessment of large sewers could lead to additional CIP needs
- Washington Aqueduct
 - Federally Owned Water Main Repairs (\$86 million, all DC Water)
 - Travilah Quarry Acquisition & Outfitting (Current discussion in range of \$750 million to \$1 Billion, cost sharing unknown)
 - Advanced Treatment Facilities (\$375 million, DC Water share = \$280 million)
 - Transmission and Storage upgrades (\$300 million, DC Water Share = \$225 million)



10-Year CIP

 The proposed ten-year CIP comprises of the capital projects and additional capital programs

Service Area (\$000's)	FY20	FY2I	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	10-Yr Total	Last Year's CIP	(Increase) /Decrease
Non-Process Facilities	\$ 42,066	\$ 31,849	\$ 20,665	\$ 6,831	\$ 11,058	\$ 10,396	\$ 3,901	\$ 3,553	\$ 3,560	\$ 3,600	\$ 137,479	\$ 138,067	\$ 588
Wastewater Treatment	77,536	102,976	113,378	107,232	107,312	70,680	97,878	101,839	132,256	138,165	1,049,252	978,738	(70,514)
Clean Rivers	162,197	147,565	179,833	129,272	67,536	59,909	148,771	103,265	88,890	115,049	1,202,288	1,262,589	60,301
Combined Sewer	9,239	9,493	12,816	16,553	16,731	8,568	6,699	7,572	8,972	12,435	109,078	79,178	(29,900)
Stormwater	6,869	9,631	7,535	4,170	5,392	4,660	4,201	4,306	6,869	5,057	58,690	68,608	9,918
Sanitary Sewer	44,933	63,926	115,541	88,110	91,562	138,341	159,814	176,789	175,873	174,032	1,228,922	957,135	(271,787)
Water	62,163	88,677	108,878	109,000	92,905	101,765	116,319	146,791	154,916	154,697	1,136,112	945,015	(191,097)
CAPITAL PROJECTS	405,004	454,118	558,645	461,168	392,496	394,318	537,584	544,115	571,337	603,035	4,921,821	4,429,330	(492,491)
Capital Equipment	31,703	37,207	33,790	32,315	33,000	33,000	33,000	33,000	33,000	33,000	333,015	340,324	7,309
Washington Aqueduct	15,515	16,266	18,572	37,841	12,699	33,875	9,508	12,863	24,068	13,971	195,178	187,127	(8,051)
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(Increase)/Decrease	(31,880)	(40,574)	(49,284)	(1,317)	(15,587)	(10,835)	5,361	(54,312)	(83,914)	(210,890)	(493,232)		



Washington Aqueduct Capital Projects

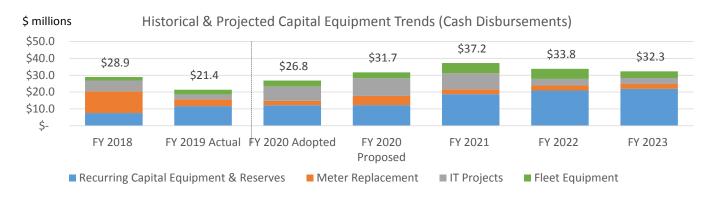
\$000's	Washington Aqueduct	DC Water's Share
FY 2020	\$21,095	\$15,515
FY 2021	\$22,115	\$16,266
FY 2022	\$25,251	\$18,572
FY 2023	\$51,449	\$37,841
FY 2024	\$17,266	\$12,699
FY 2025	\$46,057	\$33,875
FY 2026	\$12,927	\$9,508
FY 2027	\$17,489	\$12,863
FY 2028	\$32,723	\$24,068
FY 2029	\$18,995	\$13,971
Total	\$265,368	\$195,178

- Washington Aqueduct (WAD) Total tenyear budget of \$265.4 million
 - Presented a risk-based asset management CIP using decision-making tools to prioritize and grade projects to achieve established service levels
 - Major projects include the Old Conduit Rehabilitation, North Clearwell Replacement, and Dalecarlia Back-up Power Generation
 - Budget proposal excludes the Federally Owned Water Mains, Travilah Quarry Acquisition & Outfitting and Advanced Treatment Facilities
- DC Water's Share Total of \$195.2 million represents 73.6% of WAD's capital programs



Capital Equipment

- ◆ Ten-year disbursements of \$333 million for capital equipment includes
 - The proposed FY 2020 budget includes the carryover of \$5 million from prior year for the Enterprise Resource Planning (ERP) and Advanced Meter Infrastructure (AMI) projects
 - Recurring Capital Equipment This covers the purchase/replacement of pumps, motors, HVACs, roof, labtops, computers, servers, fire hydrants and includes the Authority-wide reserves for future facilities and other equipment needs
 - Meter Replacement Funding requirement for equipment, labor and installation of small and large meters including completion of the AMI project
 - IT Projects Funds new and upgrades to various Authority-wide technology systems such as the ERP, Maximo, Vertex One, GIS, Facilities Mobility, and Third Party Portal Enhancements
 - Fleet Equipment increases funds for procurement of backhoes, jet-vacs, catch basin trucks and other aged vehicles to meet operational needs





Budget Adoption Calendar

- Board Member Questions & Follow Up
 - Submit budget-related questions to Board Secretary
 - Board Secretary will distribute questions to appropriate staff
- Wholesale Customer Briefing January 10
- Committee Reviews, Recommendations & Actions January & February

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	Environmental Quality & Operations	DC Retail Water & Sewer Rates	Finance & Budget
FY 2020 - FY 2029 Capital Budget (Disbursements & Lifetime)	Action Required		Action Required
FY 2021 Operating Budget			Action Required
Intent to Reimburse Capital Expenditures with Proceeds of a Borrowing			Action Required
FY 2020 – FY 2029 Financial Plan		Action Required	Action Required
FY 2021 & 2022 Rates, Charges & Fees		Action Required	

Board Adoption – March 5

