DISTRICT OF COLUMBIA WATER AND SEWER AUTHORITY

Board of Directors

Joint Meeting of the Environmental Quality and Sewerage Services and Water Quality and Water Services Committee

> 5000 Overlook Avenue, SW, Room 407 Thursday, November 19, 2015 10:00 a.m.

I. Call to Order

Racha Butani, Chairperson James Patteson, Chairperson

10:00 a.m. II. FY 2016 – FY 2025 Capital Improvement Program (CIP) Len Benson

10:30 a.m. III. Asset Management Program Update

Liliana Maldonado Craig Fricke

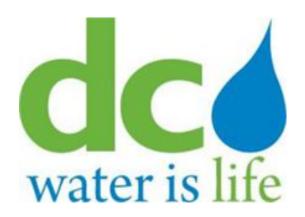
10:55 a.m. IV. Action Items

- 1. Recommendation for Board Action Project Lifetime Budget
- 2. Recommendation for Board Action Disbursements

V. *Executive Session

11:00 a.m. VI. Adjournment

Racha Butani, Chairperson James Patteson, Chairperson



* 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.

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Follow-up Items from Prior Meetings:

- 1. Develop progress updates to the committee for the DC ART Supporting Documents. (JC June 2015) {to be addressed at an Executive Session of the Joint Committee Meeting planned for December 2015}
- 2. Provide clarification on evaluation of the merits and benefits of a non-compete provision pertaining to the DC Water ART pilot.(JC June 2015) {to be addressed at an Executive Session of the Joint Committee Meeting planned for December 2015}
- 3. Provide periodic reporting on the in-house transition status of the Asset Management Program (AMP). (JC June 2015) {agenda item for this meeting}
- 4. Determine what, if any, additional assets (e.g. IT) might be appropriate for consideration as part of the efforts of the AMP. (JC June 2015) {agenda item for this meeting}
- 5. Provide metrics for the AM program (JC May 2015) {agenda item for this meeting}

Page 2 of 2



JOINT MEETING OF THE **ENVIRONMENTAL QUALITY AND SEWERAGE SERVICES COMMITTEE** COMMITTEE CHAIR – JAMES PATTESON WATER QUALITY AND WATER SERVICES COMMITTEE COMMITTEE CHAIR – RACHNA BUTANI

CAPITAL IMPROVEMENT PROGRAM ACTION ITEM : FY 2016 – FY 2025 Capital Improvement Program (Lifetime & Cash Disbursements Basis)

District of Columbia Water and Sewer Authority



November 19, 2015

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Provide a Summary of:

- I. Lifetime Budgets
- II. Disbursements Budget
- III. Unfunded Projects
- IV. CIP Issues/Sensitivities
- V. Committee Action Recommendation
 - a) 10-Year Disbursement Plan
 - b) Lifetime Budget





Lifetime Budget – Capital Projects

- Project Lifetime Budget is the full budgeted amount for projects which are active within the ten-year budget period
- Lifetime budgets include amounts already expended and amounts anticipated to be expended to complete the project and project contingencies

	Capital Projects*
Approved Lifetime Budget (FY 2015-FY 2024)	\$9.226B
Proposed Lifetime Budget (FY 2016-FY 2025)	\$9.743B
Lifetime Budget Increase	\$517M

Increase of \$517M driven by

- **Dropped Projects** (\$148.9M)
- FY15 Deferred Projects (\$237.2M)
- New Projects Added \$270.8M
- **Project Changes** \$632.3M
- \$157M in FY 2015 closed projects will be dropped from next year's FY 2017 - FY 2026 CIP

*Excludes lifetime budgets for Automated Meter Reading, Washington Aqueduct, and Capital Equipment





Significant Variances > \$10M and projects of note

Wastewater Treatment:	<u>Budget</u>	<u>Start Yea</u>
OM – Plantwide Hot Water System/Loop Rehab	\$ 25.8M	2016
B9 – Large Motor Starting Migration	\$ 8.0M	2017
Sewer System (Sanitary, Storm, CSO)		
PJ – Re-activation of Anacostia Force Main	\$ 20.0M	2016
IQ – Slash Run Sewer Rehab.	\$ 10.0M	2021
IR – Anacostia Main Interceptor Rehab.	\$ 15.0M	2022
PV – Broad Branch Trunk Sewer	\$ 13.0M	2024
Continuation of sewer system projects, FY25	\$ 34.8M	2025
<u>Water System</u>		
HI – Bryant Street Pump Station Phase III	\$ 5.9M	2020
OR – Fort Reno Pump Station Improvements Phase II	\$ 6.4M	2021
Continuation of water system projects, FY24	\$ 62.9M	2024

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<u>ear</u>





Significant Variances > \$10M listed and variances of note

<u>Wastewater Treatment:</u> IY – Effluent Filter Upgrade J2 – Replace/Upgrade Primary Treatment Mechanis	<u>Budget Change</u> \$ 8.0M sm \$ 8.0M	<u>New Fundi</u> 2019 2019
<u>DC Clean Rivers</u> CZ – Potomac LTCP Projects DZ – Rock Creek CSS LTCP Project	\$203.7M \$162.5M	2016 2015
<u>Sewer System (Sanitary, Storm, CSO)</u> FQ – Main & O St. PS Intermediate Upgrade DN – Sewer Inspection Program G4 – Upper Potomac Interceptor Sewer Rehab. HS – Rehab of Influent Sewers J0 – B Street/New Jersey Ave Trunk Sewer Rehab. J1 – Oxon Run Sewer Rehab. LZ – Potomac Interceptor Projects Phase 2	\$ 11.7M \$ 22.8M \$ 10.0M \$ 60.0M \$ 10.2M \$ 14.6M \$ 69.5M	2017 2016 2024 2024 2020 2021 2017
<u>Water System</u> Small Diameter Water Main Replacements BW – Lead Service Replacement Program	\$ 58.9M \$ 19.6M	2016 2022

- ling Start .9
- .5
- .6

- .7



Disbursements - Capital Projects

Service Area (\$000's)	FY 2016 Revised	FY 2017 Proposed	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total
Non Process Facilities	\$ 9,309	\$ 28,613	\$ 13,048	\$ 6,979	\$ I,588	\$ I,684	\$ 7,002	\$ 2,475	\$ 668	\$ 2	\$ 71,368
Wastewater Treatment	168,637	117,814	112,562	79,528	70,980	62,014	53,700	46,753	35,028	50,142	797,159
Combined Sewer Overflow	223,105	151,125	48, 59	145,945	169,272	146,994	95,429	89,666	84,037	76,648	I,330,380
Stormwater	1,263	I,430	2,902	2,011	745	2,022	6,318	1,256	١,797	I,650	21,396
Sanitary Sewer	34,786	61,144	54,102	53,215	62,566	51,543	42,443	45,439	50,498	52,201	507,937
Water	61,878	62,537	44,909	60,975	56,201	59,170	61,158	68,675	80,703	79,790	635,995
Capital Projects	498,977	422,663	375,682	348,654	361,353	323,426	266,052	254,263	252,731	260,434	3,364,235
Capital Equipment	39,226	38,737	27,127	26,289	10,401	10,035	9,413	9,119	8,896	8,915	188,156
Washington Aqueduct	10,838	10,838	10,838	10,888	11,018	, 99	11,184	11,054	10,816	9,537	108,209
Additional Capital Programs	50,063	49,575	37,964	37,177	21,419	21,234	20,597	20,173	19,712	18,452	296,365
Total CIP	\$ 549,040	\$472,238	\$413,646	\$385,831	\$382,772	\$344,660	\$286,649	\$274,436	\$272,442	\$278,886	\$3,660,600

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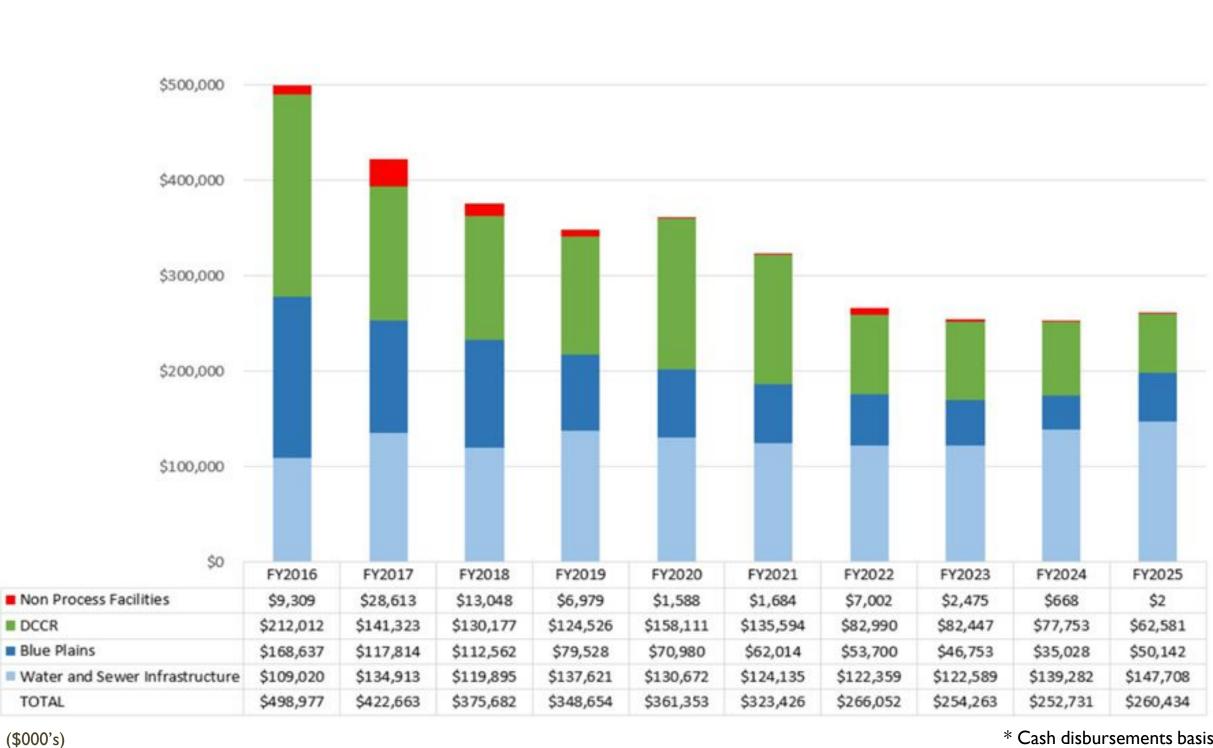
* Cash disbursements basis



DCCR

\$600,000

Disbursements - Capital Projects (cont.)

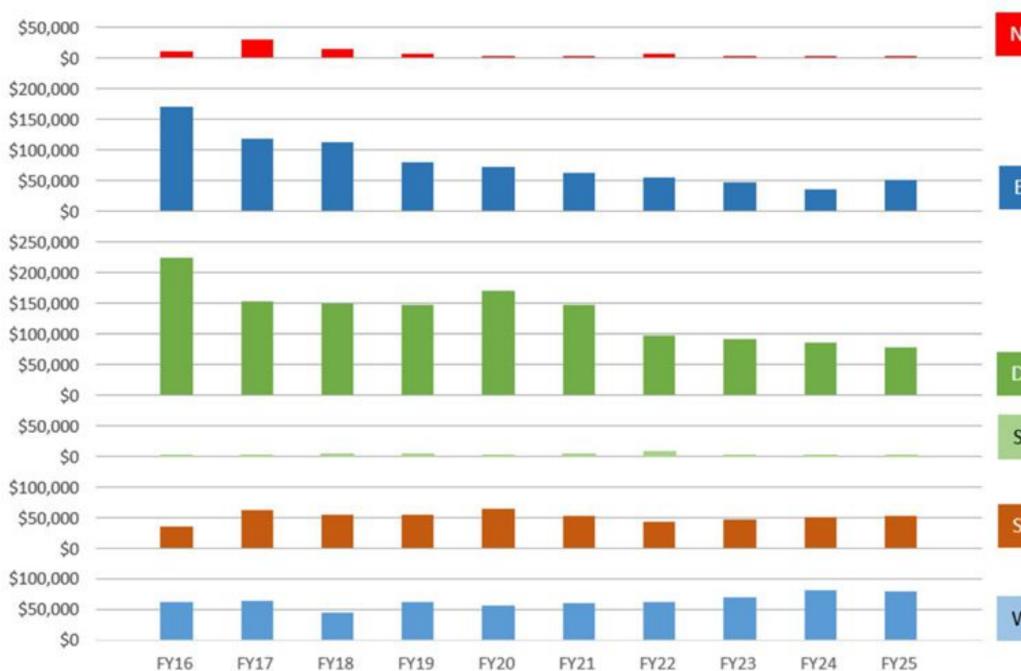


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* Cash disbursements basis

Disbursements - Capital Projects (cont.)





(\$000's)

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Non Process Facilities

Blue Plains

DCCR/CSO

Storm

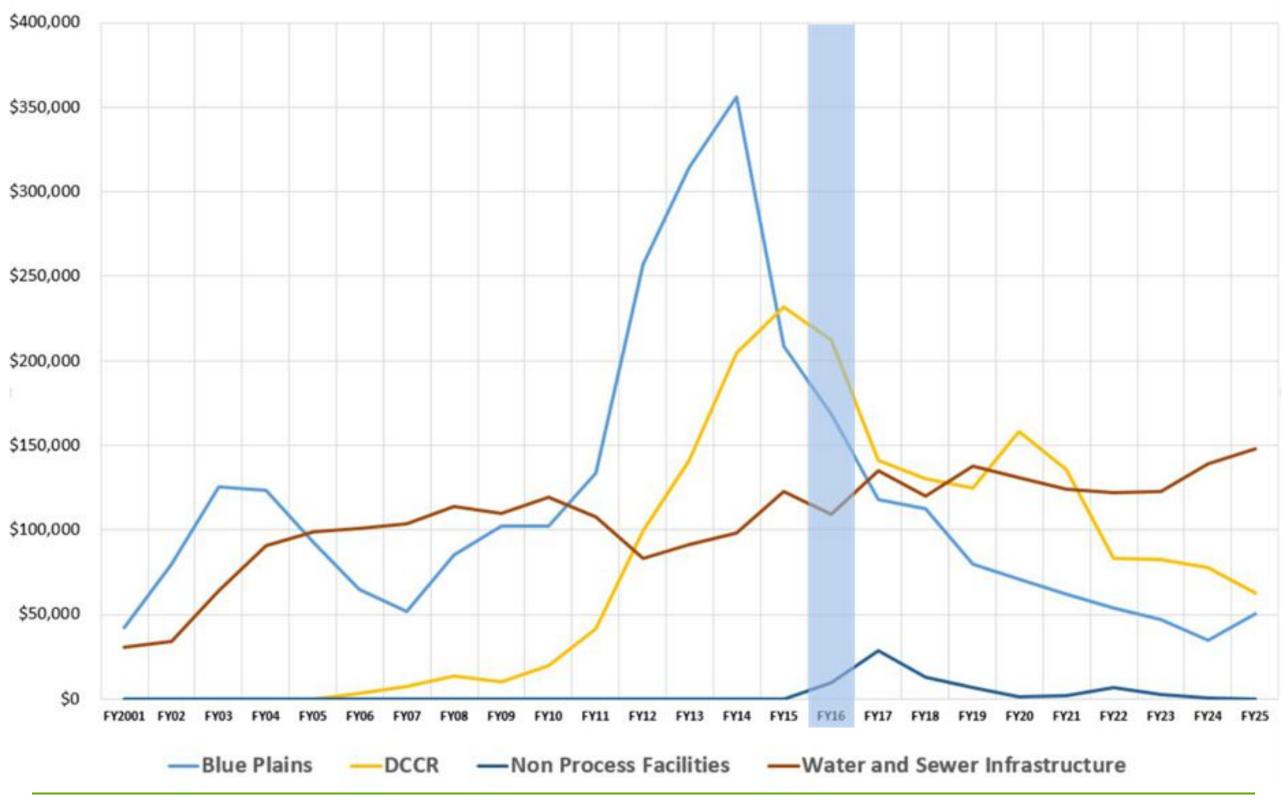
Sewer

Water

* Cash disbursements basis



Disbursements - Capital Projects (cont.)





Prioritization of Spending

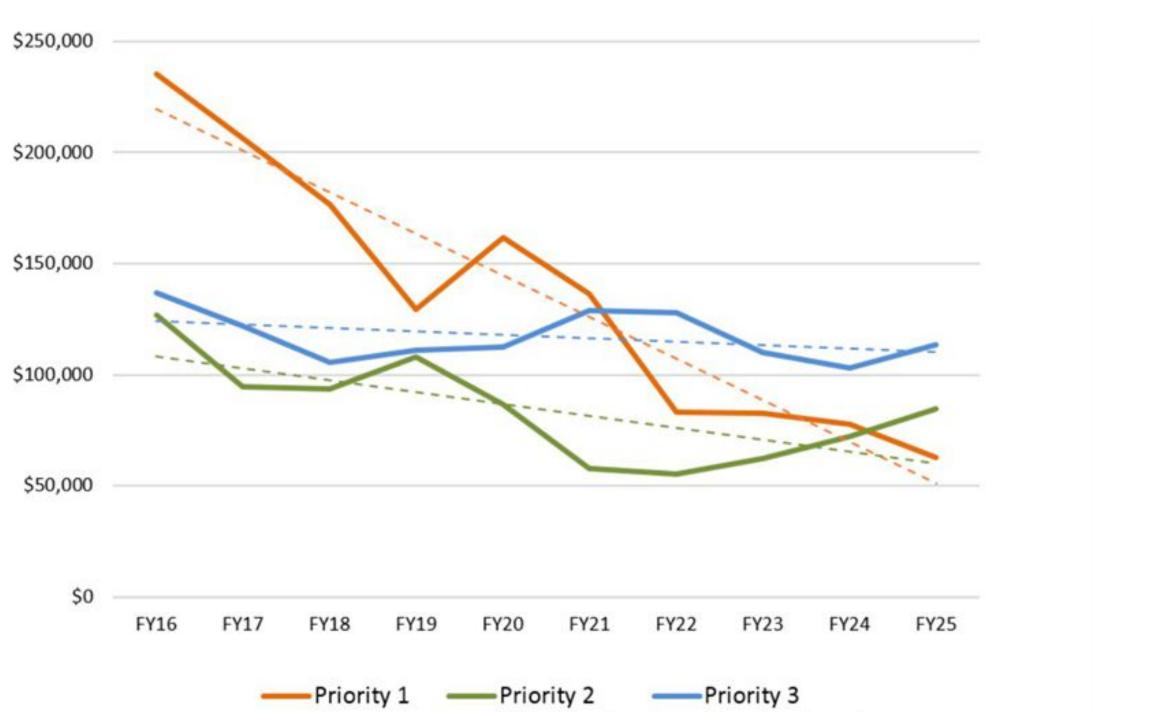
High Priority \rightarrow Low Priority

	1A		2A	2B	2C	2D	3A		17
	Mandate	s	Health & Safety	Board Policy	Potential Failure	High Profile Good Neighbor	Good Engine High Payba	100 01 01 0 0 0 0 0	L
	Agreements, Re standards, Court Issues and Pe requirements, SI Agreements,	t orders, ermits tipulated	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 Miss upgrade Faci	Second second	
FY 2016	235,092	47%	13,678	77,739	31,179	4,421	122,818	25%	
FY 2017	206,614	49%	14,484	31,610	40,394	7,865	77,872	18%	
FY 2018	176,394	47%	16,695	23,141	50,938	2,869	68,065	18%	
FY 2019	129,471	37%	9,958	29,403	67,068	1,813	73,876	21%	
FY 2020	161,885	45%	6,149	29,389	51,291	-	87,203	24%	
FY 2021	136,539	42%	5,140	28,527	24,275	46	88,367	27%	
FY 2022	82,993	31%	462	34,307	20,355	171	78,230	29%	
FY 2023	82,449	32%	44	39,122	22,520	362	78,178	31%	
FY 2024	77,755	31%	45	40,765	28,744	2,471	85,520	34%	
FY 2025	62,581	24%	-	43,189	40,960	432	87,104	33%	
Total	1,351,775	40%	66,656	377,192	377,725	20,452	847,233	25%	
% of Total	40.2%		2.0%	11.2%	11.2%	0.6%	25.2%		

(\$000's)















Below the Line Projects are not included in the Proposed 10-year Cash **Disbursements or Lifetime Budget**

- Blue Plains \$229M for example:
 - Full Plant Deammonification \$45M
 - Various Plantwide Rehabilitation Projects \$33M
 - End of useful life rebuild projects \$71M
- Planned Sewer Projects \$290M for example:
 - Rehab NE Boundary Sewer Phase 2 \$45M
 - Tiber Creek Sewer Lining Ph 1 \$40M
 - Rehab of Influent Sewers \$81M
 - Rehab of Anacostia Force Main \$16M
- Planned Water Projects \$91M for example:
 - 1 MG 4th High East Storage Tank \$8M
 - Large Valve Replacements \$18M
 - (\$'s Projected Disbursements)

Unfunded Projects





- Regulatory/Consent Decree:
 - MS4 Regulations/Policy Not in plan. \$'s unknown
 - DC Clean Rivers Green Infrastructure Consent Decree (GI CD) Modification Public Comment over with EPA
 - DC Clean Rivers Potomac River and Rock Creek Basin, both green and grey do not include risk allowance
 - Blue Plains NPDES Permit renewal 2015 review ongoing
 - Chesapeake Bay TMDL 2017 mid term assessment
 - TMDL E coli
- Other Risks/Sensitivities:
 - Pepco DC Power Line Undergrounding (DC PLUG)
 - Blue Plains Odor Control
 - FY 2016 Water and Sewer Facility Plan updates likely to identify additional needs
 - Ramped up condition assessment on large sewers



ACTION ITEM: FY 2016 – FY 2025 Proposed Capital Improvement Program (10-Year Disbursement Plan and Lifetime Budget)

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

- **10-Year Disbursement Plan** The cash disbursement-based a. capital plan is utilized to forecast the timing and amount of capital financing, which is the primary basis for projected retail rate increases. As shown in Attachment A-I, the Board of Directors will be asked to approve a 10-year disbursement plan of \$3.66 billion.
- **Lifetime Budget** The project lifetime budget reflects the total a. costs of each project active during the 10-year planning period. These costs include historical and projected spending, project contingencies, and labor (listed as separate line item). As shown in Attachment A-I, the Board of Directors will be asked to approve a lifetime budget of \$10.4 billion.



Joint Committee EQ&SS and WQ&WS - 10:00 a.m. II. FY 2016-FY 2025 Capital Improvement Program (CIP) - Len Benson



QUESTIONS?



Joint Committee EQ&SS and WQ&WS - 10:00 a.m. II. FY 2016-FY 2025 Capital Improvement Program (CIP) - Len Benson



APPENDIX



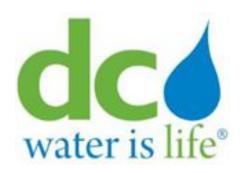
10-Year Disbursement Plan & Lifetime Budget

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	FY 2016 - FY 2025 Disbursement Plan										Lifetime	
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	10-Yr Total	Budget
NON PROCESS FACILITIES												
Facility Land Use	\$9,309	\$28,613	\$13,048	\$6,979	\$1,588	\$1,684	\$7,002	\$2,475	\$668	\$2	\$71,368	\$139,29
Subtotal	9,309	28,613	13,048	6,979	1,588	1,684	7,002	2,475	668	2	71,368	139,29
WASTEWATER TREATMENT												
Liquid Processing	16,193	23,871	33,857	38,248	20,311	18,334	21,093	9,546	4,208	9,838	195,499	808,43
Plantwide	15,798	16,207	17,013	22,534	36,598	26,048	28,560	34,936	24,521	16,636	238,853	496,40
Solids Processing	28,652	5,130	8,247	12,912	10,154	16,684	3,448	1,019	780	507	87,531	722,94
Enhanced Nitrogen Removal Facilities	107,994	72,606	53,445	5,834	3,917	947	600	1,252	5,520	23,161	275277	1,039,19
Subtotal	168.637	117,814	112,562	79.528	70,980	62.014	53,700	46,753	35.028	50,142	797,159	3,066,97
COMBINED SEWER OVERFLOW												
D.C. Clean Rivers	212,012	141,323	130,177	124,526	158,111	135,594	82,990	82.447	77,753	62,581	1,207,515	2,771,51
Program Management	1,832	2,844	3,033	2,333	2,593	2,404	3,890	4,359	3,060	1,846	28,195	64,56
Combined Sewer	9,261	6,958	14,950	19,086	8,567	8,996	8,549	2,860	3,224	12,220	54,671	338,91
Subtotal	223,105	151,125	148,159	145,945	169,272	146,994	95,429	89,666	84.037	76.648	1,330,380	3,174,99
STORMWATER												
Local Drainage	223	66	822	290	8	63	608	265	844	1,024	4214	16,63
On-Going	459	438	390	455	487	535	693	698	744	463	5,361	12,41
Pumping Facilities	409	128	774	904	78	1,280	4,787	23	0	403	8,001	25,00
DDOT	18	120	26	0	0	1,200	4,107	0	0	0	6,031	3,23
Research and Program Management	256	179	194	158	172	145	230	269	210	163	1,977	12,01
Trunk/Force Sewers	307	611	690	144	0	0	0	0	0	0	1,758	15,59
Subtotal	1,263	1,430	2,902	2.011	745	2.022	6,318	1,256	1,797	1,650	21,396	84,89
SANITARY SEWER												
Collection Sewers	4,190	6,318	7,629	7,108	8,140	17,982	17,299	17,894	21,345	22,394	130,300	338,53
On-Going	7,463	9,299	8,734	7,223	6,334	7,421	7,749	8,139	8,440	8.637	79,440	209,24
Pumping Facilities	2,267	1,743	1,800	795	165	1,378	151	229	0	0	8,528	34,75
Program Management	6,742	12,209	10,382	6.036	5,827	4,840	6,521	7,442	6,756	5.278	72,092	133,32
Interceptor/Trunk Force Sewers	14,124	31,514	25,556	32.053	42,099	19,921	10.723	11,736	13,958	15,893	217,577	713,35
Subtotal	34,786	61,144	54,102	53,215	62,566	51,543	42,443	45,439	50,498	52,201	507,537	1,429,21
WATER												
Distribution Systems	35,667	32,929	25,610	38,203	38,356	36,401	42,808	51,372	57,333	63,136	421,815	1,087,94
Lead Program	1,575	1,171	870	1,547	2,114	2,507	2,885	3,190	3,129	3,633		208,64
On-Going	5,105	7,116	5,306	6,310	5,931	5,716	5,799	5,879	6,171	6,338	22,622 59,672	135,71
Pumping Facilities	3,833	5,083	4,211	2,454	2,105	747	735	1,824	8,468	1,510	30,970	178,39
DDOT	893	627	389	0	0	0	0	0	0	0	1,909	33,93
Storage Facilities	9,515	9,115	3,427	7,420	3,779	7,582	2,459	2,188	1,343	557	47,387	101,83
Program Management	5,288	6,495	5,098	5,042	3,916	6,218	6,471	4,221	4,259	4,010	51,621	101,20
Subtotal	61,878	62,537	44,909	60,975	56,201	59,170	61,158	68,675	80,703	79,790	635,995	1,847,67
CAPITAL PROJECTS	498,977	422,663	375,682	348,654	361,353	323,426	266,052	254,263	252,731	260,434	3,364,235	9,743,05
CAPITAL EQUIPMENT	39,228	38,737	27,127	26,289	10,401	10,035	9,413	9,119	8,898	8,915	188,156	205,86
WASHINGTON AQUEDUCT	10,838	10,838	10,838	10,888	11,018	11,199	11,184	11,054	10,816	9,537	108,209	108,20
ADDITIONAL CAPITAL PROGRAMS	50,063	49,575	37,964	37,177		21,234	20,597	20,173		18,452	296,365	314,07
	30,003	45,575	31,364	21,117	20,415	21,234	20,557	20,173	15,712	10,452	236,363	No.
LABOR												352,77
TOTAL CAPITAL BUDGETS	\$549,040	\$472,238	\$413,646	\$385,831	\$382,772	\$344,660	\$286,649	\$274,436	\$272,442	\$278,886	\$3,660,600	\$10,409,89

Attachment A-1

.



ASSET MANAGEMENT PROGRAM



Asset Management Program Update November 19, 2015

Agenda

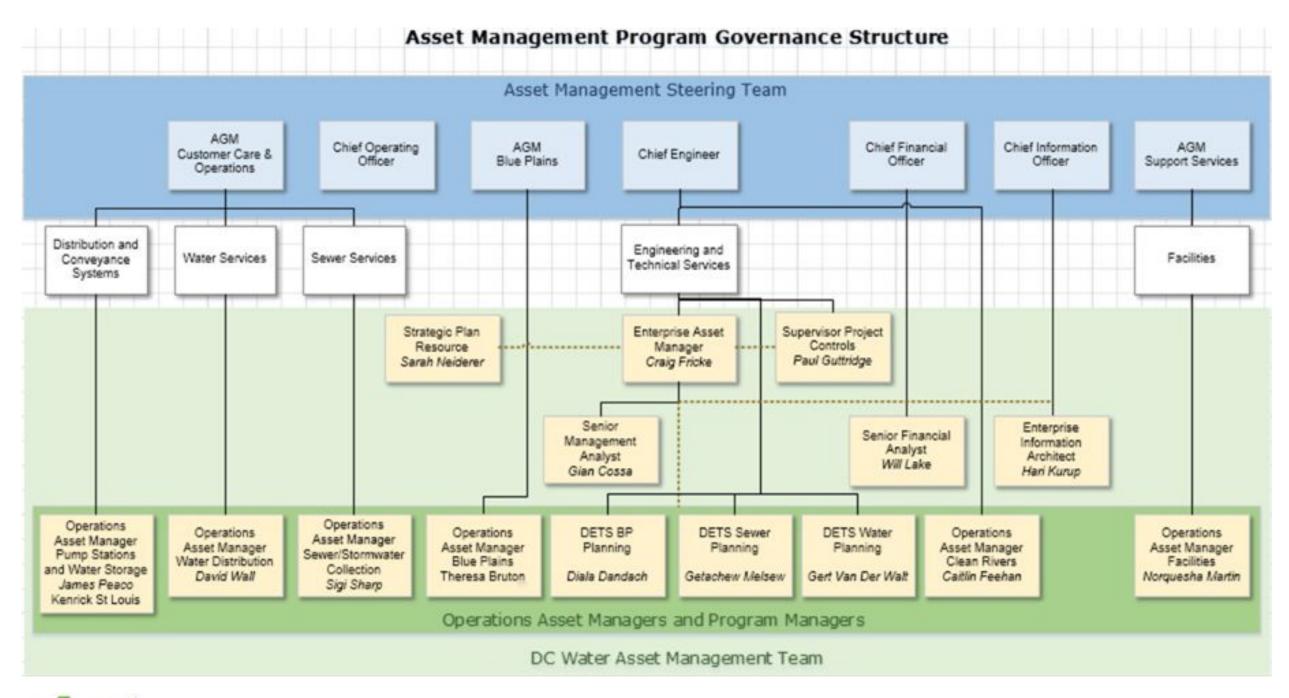
Asset Management Program Governance Structure

- Steering Team
- DC Water Asset Management Team (DCWAMT)
- Review of Current Approach and Deliverables
- Status of Ongoing Efforts
 - Top Down Risk Assessment
 - Business Case Evaluation Process and Pilots
 - Capital Project Prioritization Process
 - Key Performance Indicators



2

Asset Management Program Governance Structure





Current Approach - An *integrated* comprehensive Asset Management Program







Current Approach - Objectives

- Integrate Asset Management activities across the Authority, across all programs and program management consultants
- Focus on strategic objectives and key metrics
- Provide tools and methods to inform crucial decision needs in the short-term
 - Business case evaluation (BCE) framework to help select the most beneficial project at the lowest lifecycle cost among alternatives
 - CIP prioritization criteria and process
 - Performance measures to track progress in managing assets and inform improvement strategies and tactics
- Develop initial Asset Management Plans for Water, Sewer and Wastewater Treatment systems



Current Approach – Key Elements

- 1. Performance Measurement and Reporting
- 2. Risk Assessment
- 3. Business Case Process, Guidelines and Pilots
- 4. Project Prioritization
- 5. Benchmarking Support
- 6. Asset Management Plans
 - Water
 - Sewer
 - Blue Plains
 - Enterprise

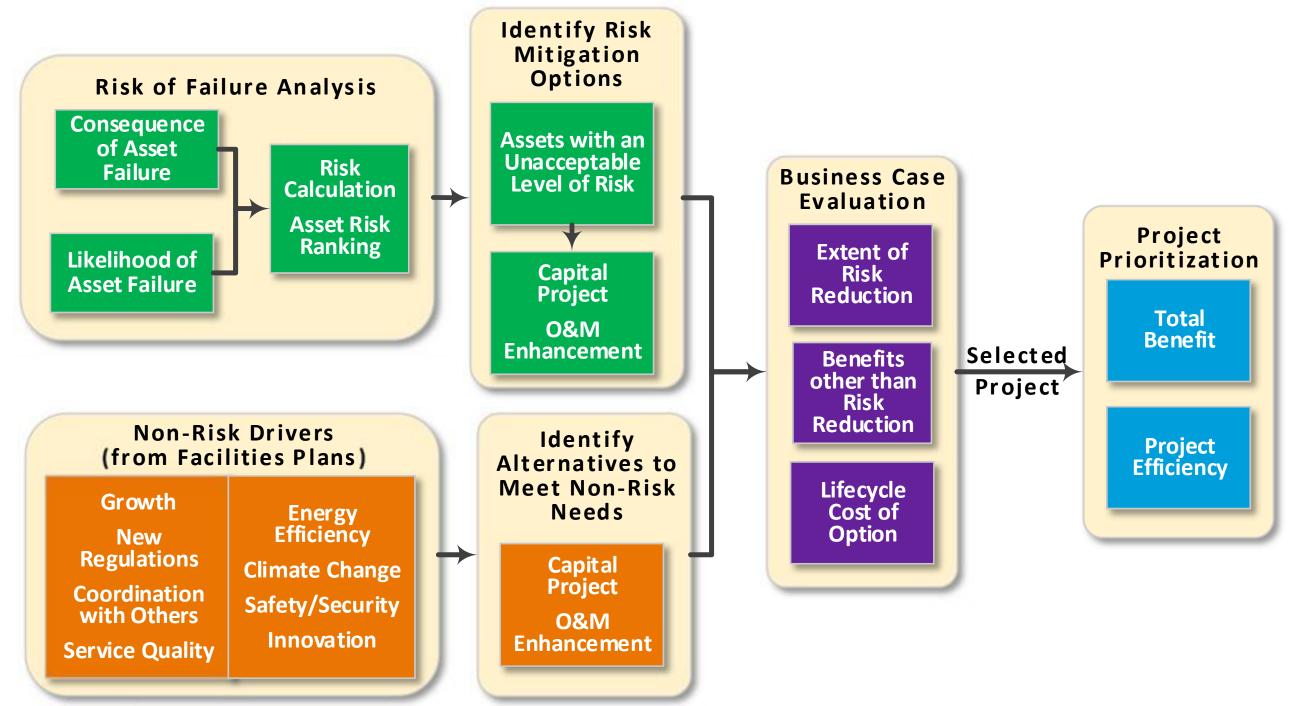


Current Approach – Asset Management Plans

- Leverage Water, Sewer and Blue Plains Facilities Plans
- Turn Facility Plans into Asset Management Plans
 - Risk quantification & "normalization"
 - Incorporation of Level of Service
 - Development of KPI's and PI's
 - Predictive modeling & analytics
 - **Recommendations:**
 - Capital
 - O&M plan
 - Business process improvements
 - Investment plan

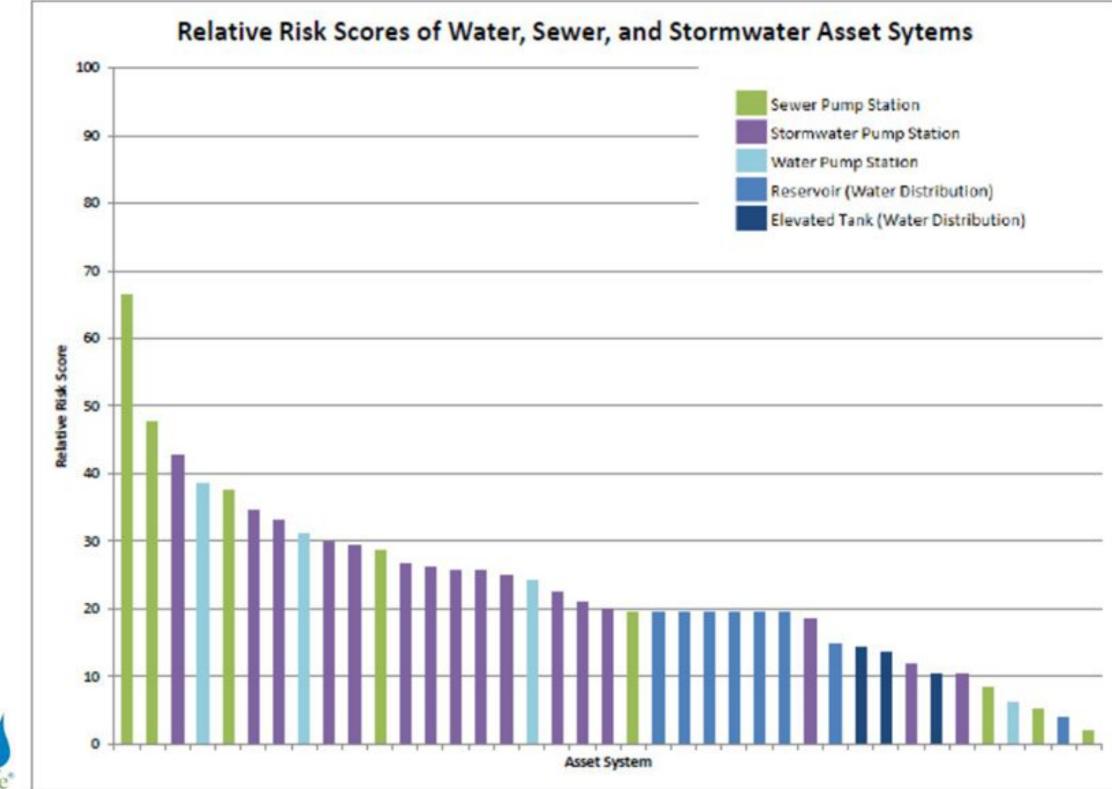


The Link from Risk Assessment to Business Case Evaluations to Capital Project Prioritization





Status – Top Down Risk Assessments



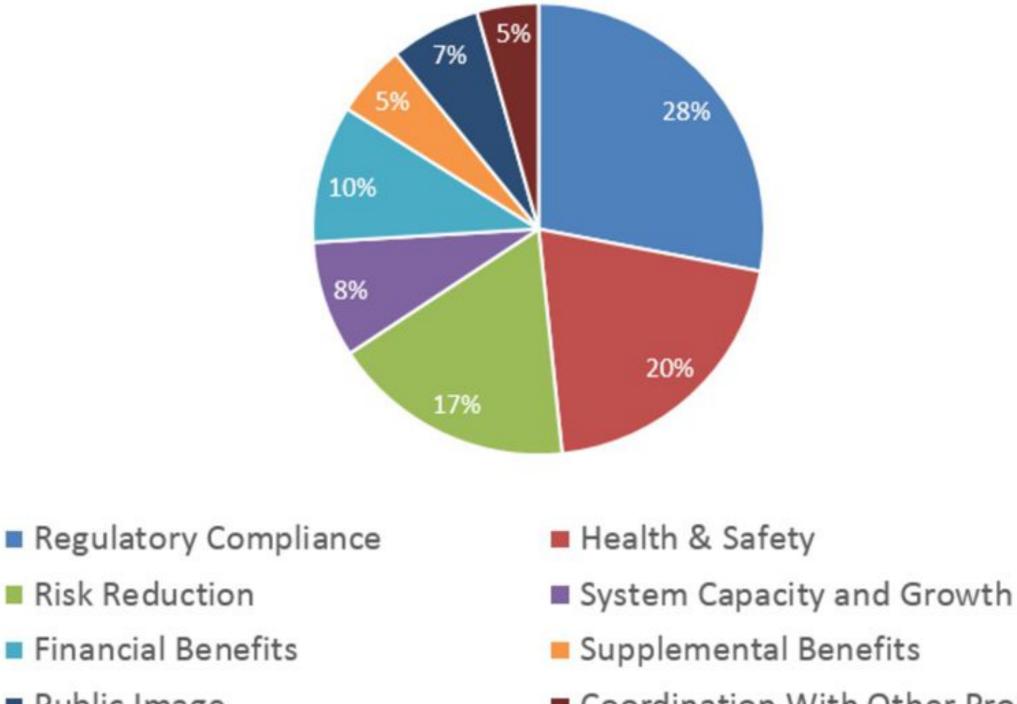


Status – Business Case Evaluation Process and Pilots

- Learning by Doing
- Select One Project from each Service Area
- Proposed Projects
 - Blue Plains: Effluent Filter Upgrades for Plant Service Water
 - Sewer: Anacostia Force Main and Gravity Sewer
 - Water: 4th High West Elevated Tank
- Develop Guidebook & Tools



Status – Capital Project Prioritization Process





Public Image

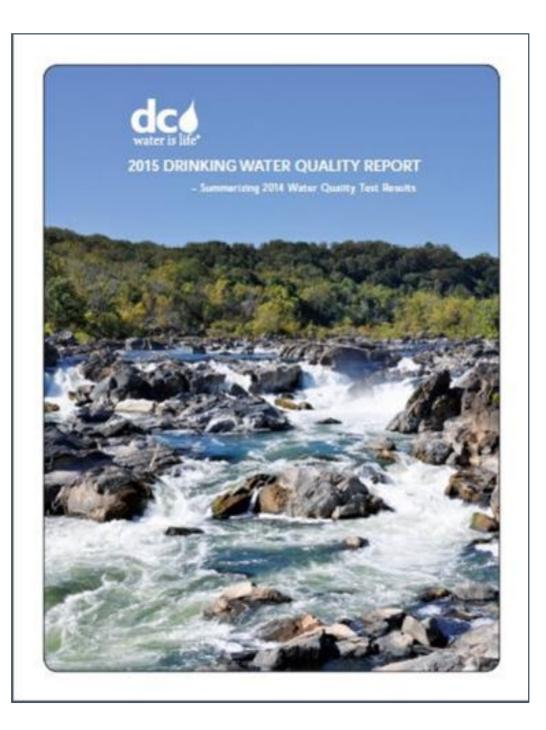
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Coordination With Other Projects

Asset Management Metrics – Water

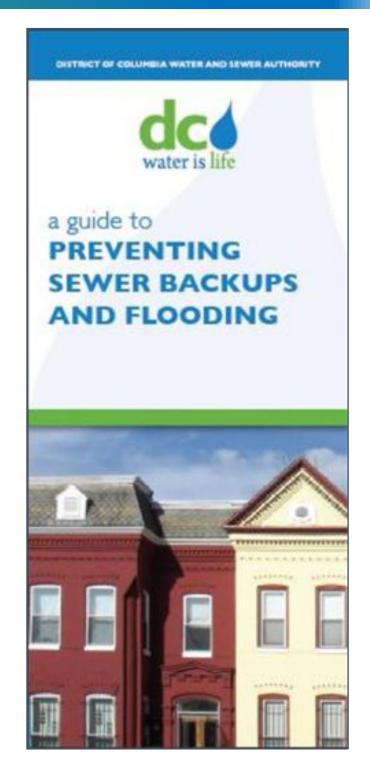
- Regulatory Compliance
- Water Main Breaks
- Infrastructure Leakage Index
- Customer Complaints
 - Water Quality
 - Water Pressure





Asset Management Metrics – Sewer

- Regulatory Compliance
- Overflows
- Basement Backups
- Odor Complaints





Asset Management Metrics – Vertical Assets

- Regulatory Compliance
- Critical Equipment Availability
- Proactive Maintenance
- Odor Complaints









JOINT COMMITTEE ENVIRONMENTAL QUALITY AND SEWERAGE SERVICES AND WATER QUALITY AND WATER SERVICES FISCAL YEAR 2016 – 2025 PROPOSED CAPITAL IMPROVEMENT PROGRAM ACTION ITEM

ACTION ITEM 1: FY 2016 – FY 2025 Proposed Capital Improvement Program (10-Year Disbursement Plan and Lifetime Budget)

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

- a. **10-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. As shown in Attachment A-1, the Board of Directors will be asked to approve a 10-year disbursement plan of \$3.66 billion.
- b. Lifetime Budget The project lifetime budget reflects the total costs of each project active during the 10-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 a lifetime budget of \$10.4 billion.

10-Year Disbursement Plan & Lifetime Budget

\$ in thousands

PY 2016 PY 2017 PY 2018 PY 2019 PY 2020 PY 2021 PY 2022 PY 2022 PY 2022 PY 2024 PY 2014 PY 2024 PY 2014 PY 2024 PY 2014 PY 2014 <t< th=""><th>\$ in thousands</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	\$ in thousands												
NONPROCESS FACLITES 58.309 \$28.513 \$1.3.048 \$6.573 \$1.588 \$1.884 \$7.002 \$2.475 \$668 \$2 \$71.385 \$13.92 MAINTER TREATMENT 1.044 0.000 26.013 13.048 6.070 1.588 1.884 \$7.002 2.475 5668 \$2 71.386 \$13.92 VASTEWATER TREATMENT 1.044 7.001 2.2534 36.569 26.045 2.6450 34.390 42.521 10.635 23.863 456.6 Solide Processing 2.662 5.130 6.3.747 12.711 11.252 5.520 23.161 275.277 10.93 Subtraim 166.017 17.174 11.252 79.500 62.014 53.700 40.753 15.202 10.141 53.700 40.753 10.203 10.914 17.775 02.681 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914 10.914													Lifetime
Facility Land Use 58,309 828,813 \$13,046 58,979 \$1,584 \$7,002 \$2,475 5868 \$2 \$17,388 \$13,92 WASTEM TRE TREAMENT 13,047 13,347 32,877 32,877 32,877 32,877 32,877 32,877 32,877 32,877 32,877 32,877 13,247 12,972 14,858 24,575 98,88 24,571 14,855 22,975 466,4 3,448 24,527 14,855 22,957 466,4 3,448 24,527 14,855 466,4 3,449 1,972 5,550 21,116 27,977,100 10,975 77,975		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	10-Yr Total	Budget
Stabioli Stabioli 3,00 28,613 13,048 6,879 1,888 1,684 7,002 2,475 668 2 7,938 139,2 WARTEWATER TEXTENT 15,03 22,371 33,677 39,246 20,311 16,324 21,003 0,646 4,209 93,836 92,850 34,335 42,221 16,654 34,335 42,221 16,654 1,003 64,435 42,007 67,531 7,222 52,550 53,00 44,753 35,028 50,142 777,153 36,028 172,225 72,159 3,086,5 777,753 62,581 1,207,515 2,771,55 36,028 50,142 777,753 62,581 1,207,515 2,771,55 36,028 50,440 2,846 3,380 48,69 3,660 6,462 3,660 1,46,42 2,416 64,420 70,645 1,207,515 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,55 2,771,5	NON PROCESS FACILITIES												
WASTEWATER TREATMENT Jagua Processing 16:13 23.871 33.857 38.248 20.311 18.334 21.093 9.546 4.208 9.838 42.09 9.804 Solids Processing 15:798 16.207 17.013 22.564 36.648 26.648 2.8668 3.496 2.4521 16.664 23.643 42.04 10.93 70 607 8.710 2.22 10.164 10.648 10.19 700 607 8.710 12.21 10.14 10.648 10.99 700 607 8.710 2.250 23.161 12.22 12.201 12.112 10.14 10.647 700.00 62.014 3.800 1.464 2.810 2.717 12.02 77.7128 62.811 12.017 12.612 12.112 12.1128 13.0147 124.526 156.111 135.694 63.00 13.00 13.464 2.800 3.224 12.201 16.716 77.7158 62.811 120.57 77.7158 62.811 120.50 12.201 12.164	Facility Land Use	\$9,309	\$28,613	<u>\$13,04</u> 8	\$6,979	\$1,588	\$1,684	\$7,002	\$2,475	\$668	<u></u> \$2	\$71,368	\$139,297
Liquid Processing 16.193 22.871 33.867 38.246 20.311 18.344 92.1083 92.662 42.062 93.83 19.690 68.04 20.852 34.365 24.852 16.793 22.584 36.056 22.662 34.365 24.852 34.965 24.852 34.965 24.852 34.965 24.853 34.967 94.753 35.020 25.650 25.651 72.257 10.931 COMENED SEWER OVERFLOW 51.04014 168.637 117.814 112.562 158.111 135.564 82.960 82.447 77.753 82.581 2.971.19 30.065 D.C. Chen Rivers 212.011 141.323 130.177 124.526 158.111 135.564 82.980 82.447 77.753 82.581 1207.515 2.771.6 30.85 3.744 43.33 3.960 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 <td< td=""><td>Subtotal</td><td>9,309</td><td>28,613</td><td>13,048</td><td>6,979</td><td>1,588</td><td>1,684</td><td>7,002</td><td>2,475</td><td>668</td><td>2</td><td>71,368</td><td>139,297</td></td<>	Subtotal	9,309	28,613	13,048	6,979	1,588	1,684	7,002	2,475	668	2	71,368	139,297
Liquid Processing 16.193 22.871 33.867 38.246 20.311 18.344 92.1083 92.662 42.062 93.83 19.690 68.04 20.852 34.365 24.852 16.793 22.584 36.056 22.662 34.365 24.852 34.965 24.852 34.965 24.852 34.965 24.853 34.967 94.753 35.020 25.650 25.651 72.257 10.931 COMENED SEWER OVERFLOW 51.04014 168.637 117.814 112.562 158.111 135.564 82.960 82.447 77.753 82.581 2.971.19 30.065 D.C. Chen Rivers 212.011 141.323 130.177 124.526 158.111 135.564 82.980 82.447 77.753 82.581 1207.515 2.771.6 30.85 3.744 43.33 3.960 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 1.846 93.060 <td< td=""><td>WASTEWATER TREATMENT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	WASTEWATER TREATMENT												
Plankvide 15,798 15,798 15,798 15,798 16,247 12,121 10,154 16,864 34,936 24,825 16,837 17,131 22,234 30,598 26,048 1,192 5,500 23,161 722,27 10,337 722,27 10,337 722,27 10,337 722,27 10,337 722,37 10,30,28 5,100 6,2014 5,100 6,2014 5,200 3,0,12 27,71,23 3,008 5,000 6,2,477 7,753 6,2,6,81 10,0,10 27,71,13 27,71,13 27,71,53 6,2,6,14 20,0 6,2,477 7,77,53 6,2,6,18 10,0,10 27,71,13 3,0,28 2,0,10 4,0,17 12,12 11,12 14,135 14,354		16,193	23,871	33,857	38,248	20,311	18,334	21,093	9,546	4,208	9,838	195,499	808,430
Enhancel Ninogin Removal Facilities 107,894 729.60 53.44 5,834 3,917 947 600 1,252 5,520 23,161 279.277 1039.3 COMENED SEVER OVERFLOW 70,563 62,014 62,014 62,014 62,014 62,014 62,014 62,014 63,020 60,014 279.273 66,014 279.273 66,014 279.273 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,014 62,016 64,057 77,753 62,6281 1,207,915 67,771 63,648 1,207,915 67,771 63,648 1,207,915 67,771 63,648 1,202,915 64,643 53,700 30,800 1,456 160,872 146,994 96,429 8,068 4,658 74,643 53,710 62,641 1,007 63,648 1,202,915 1,744 164,0 63,8 693 628 844 1,024 64,43 52,511 12,444 12,444 12,4		15,798	16,207	17,013	22,534	36,598	26,048	28,560	34,936	24,521	16,636	238,853	496,407
Subolal 168,637 117,814 112,262 79,528 70,800 62,014 53,700 46,753 35,028 50,142 797,159 30,665 COMBNED SEWER OVERFLOW D.C. Clean Rivers 212,012 141,323 190,177 124,526 158,111 135,594 62,944 77,753 62,511 130,757 2,771,45 62,511 142,07 54,64 2,800 3,264 3,060 18,46 28,196 64,6 56,66 44,071 335,028 3,060 18,46 28,190 64,67 3,060 12,220 48,477 335 693 3,060 13,00,30 3,174.5 STORMWATER Local Drinege 223 66 822 290 8 63 608 285 844 1,024 4,214 16,6 On-Going 459 438 390 455 487 535 693 698 744 463 5,516 12,77 13,60 12,78 142,77 14,73 12,79 1,630 1,77 <td>Solids Processing</td> <td>28,652</td> <td>5,130</td> <td>8,247</td> <td>12,912</td> <td>10,154</td> <td>16,684</td> <td>3,448</td> <td>1,019</td> <td>780</td> <td>507</td> <td>87,531</td> <td>722,944</td>	Solids Processing	28,652	5,130	8,247	12,912	10,154	16,684	3,448	1,019	780	507	87,531	722,944
COMBINED SEVER OVERFLOW U Combined Severe Scient Rvars Scien Rvars Scient Rvars Scient Rvar	Enhanced Nitrogen Removal Facilities	107,994	72,606	53,445	5,834	3,917	947	600	1,252	5,520	23,161	275,277	1,039,198
D.C. Clean Rivers 212.012 141.323 130.177 124.526 155.111 135.544 82.940 82.447 77.753 62.561 1207.511 67.16 Program Management 2.261 6.958 14.960 19.068 8.567 8.996 8.549 2.860 3.224 12.220 14.674 338.0 Contained Sever 2.231 51.125 145.193 146.944 169.272 146.944 55.42 69.666 84.037 76.648 1339.030 317.4 Local Darinage 2.23 66 82.22 200 8 63 608 764 463.536 12.6 174.4 463.536 12.6 174.4 463.536 12.6 12.6 174.9 144 75.5 683 686 74.4 463.536 12.6 1.77 150.0 65.3 12.0 1.6 1.6 12.7 14.5 2.33 2.6 1.6 1.6 1.77 12.0 1.76 1.277 1.6 1.77 1.6 <t< td=""><td>Subtotal</td><td>168,637</td><td>117,814</td><td>112,562</td><td>79,528</td><td>70,980</td><td>62,014</td><td>53,700</td><td>46,753</td><td>35,028</td><td>50,142</td><td>797,159</td><td>3,066,979</td></t<>	Subtotal	168,637	117,814	112,562	79,528	70,980	62,014	53,700	46,753	35,028	50,142	797,159	3,066,979
D.C. Clean Rivers 212.012 141.323 130.177 124.526 155.111 135.544 82.940 82.447 77.753 62.561 1207.511 67.16 Program Management 2.261 6.958 14.960 19.068 8.567 8.996 8.549 2.860 3.224 12.220 14.674 338.0 Contained Sever 2.231 51.125 145.193 146.944 169.272 146.944 55.42 69.666 84.037 76.648 1339.030 317.4 Local Darinage 2.23 66 82.22 200 8 63 608 764 463.536 12.6 174.4 463.536 12.6 174.4 463.536 12.6 12.6 174.9 144 75.5 683 686 74.4 463.536 12.6 1.77 150.0 65.3 12.0 1.6 1.6 12.7 14.5 2.33 2.6 1.6 1.6 1.77 12.0 1.76 1.277 1.6 1.77 1.6 <t< td=""><td>COMBINED SEWER OVERFLOW</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	COMBINED SEWER OVERFLOW												
Program Management 18.22 2.844 3.033 2.233 2.693 2.694 3.880 4.350 3.060 1.846 28.195 64.54 Subtotal 223,105 151,125 148,159 146,945 169,272 146,944 96,429 89,686 84,037 76,648 1,300,300 3,174,5 STORMWATER Local Drainopo 223 66 68 22 290 8 633 668 744 463 5,556 120 On-Going 459 438 330 455 447 785 1280 4,787 23 0 0 6.031 256 DDOT 18 10 28 0 1,713 1,317 1,125		212.012	141.323	130.177	124.526	158.111	135.594	82.990	82.447	77.753	62.581	1.207.515	2,771,514
Combined Sever 9.261 6.958 14.950 19.086 8.567 8.996 6.549 2.800 3.224 12.200 94.971 338.5 Storter 223.105 151.126 148,159 146,945 169,972 146,949 95,429 89,666 64,037 76,648 1,303.080 3,174,5 Con-Going 459 438 390 455 467 553 663 608 265 844 1,024 42,14 16,6 Don-Going 459 438 390 455 467 535 663 608 265 844 1,024 42,14 16,6 DDOT 18 10 26 0 0 0 0 0 0 0 163 1,977 12,0 Truk/Force Severs 300 611 896 144 0 0 0 0 10 105 3,324 SANTARY SEVER				-	-	-							64,563
Subiolal 223,105 151,125 148,159 145,945 169,272 146,934 95,429 99,666 94,037 76,648 1,30,380 31,74,5 STORMWATER 4,214 16,6 4,214 16,6 4,214 16,6 603 608 7,74 4,614 1,60 4,214 16,0 603 608 7,74 4,63 1,250 6,03 603 608 7,74 4,613 1,257 1,201 6,01 0			-	-				-					338,918
STORMWATER Local Drainage 223 66 822 290 8 63 608 225 844 1,024 4,114 16,6 On-Going 459 438 390 455 487 535 693 698 744 463 5361 12,4 Pumping Facilities 0 126 774 994 78 1,280 4,787 23 0 0 8031 25,6 DDOT 18 10 26 0 0 0 0 0 0 0 1,977 12,077 12,098 84,6 1,979 13,398 84,6 1,939 84,31 1,998 15,5 SANTARY SEWER	Subtotal	223,105	151,125	148,159	145,945	169,272	146,994	95,429	89,666	84,037		1,330,380	3,174,995
Local Drainage 223 66 822 290 8 63 608 225 844 1.024 414 166 On-Going 459 438 390 455 487 535 693 698 744 463 5.361 12.4 Pumping Facilities 0 126 774 964 78 1.280 4.787 23 0 0 6.031 22.0 DDOT 18 10 266 0 0 0 0 0 0 0 1.39 1.20 1.78 152 1.797 18.0 2.1385 68.4 3.00	STORMWATER												
On-Going 459 438 390 455 447 535 663 668 744 463 5.51 12,2 Pumping Facilities 0 126 774 964 778 1.280 4,787 23 0 0 6.031 25.0 DDOT 18 10 2.26 0 0 0 0 0 0 0 0 0 6.031 25.0 3.37 61.1 696 144 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1.789 15.5 SANTARY SEWER - - 7.108 8.140 17.982 17.299 17.894 21.345 22.394 338.6 0 0 0 0 6.637 77.403 8.140 17.929 17.894 21.345 22.394 338.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""><td></td><td>223</td><td>66</td><td>822</td><td>200</td><td>8</td><td>63</td><td>608</td><td>265</td><td>844</td><td>1 024</td><td>1 211</td><td>16,636</td></t<>		223	66	822	200	8	63	608	265	844	1 024	1 211	16,636
Pumping Facilities 0 126 774 964 78 1,280 4,787 23 0 0 6.011 256 DDOT 18 10 26 0<	5										-		12,415
DDT 18 10 26 0 0 0 0 0 0 0 54 32 Research and Program Management 256 179 194 158 172 145 230 269 210 163 1,977 12.0 Tunk/Force Sewers 307 611 696 144 0 0 0 0 0 163 1,977 12.0 SANTARY SEWER	0												25,000
Research and Program Management 256 179 194 158 172 145 230 269 210 163 1.977 122 TrunkForce Severs 307 611 096 144 0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td>-</td> <td></td> <td>3,237</td>						-		-			-		3,237
Trunk/Force Sewers 307 611 696 144 0 0 0 0 0 1,758 15,5 Subtotal 1,430 2,902 2,011 745 2,022 6,318 1,266 1,797 1,650 21,396 84,6 SANITARY SEVER Collection Sewers 4,190 6,318 7,629 7,108 8,140 17,982 17,299 17,849 21,345 22,394 130,300 338,6 On-Going 7,463 9,299 8,734 7,223 6,334 7,421 7,749 8,139 8,440 8,637 79,440 200,40 6,528 34,40 202,57 133,3 130,898 15,833 217,577 713,3 13,958 15,839 217,577 713,3 13,958 15,839 217,577 713,3 13,958 15,833 22,021 507,937 1,424,3 42,403 45,403 50,967 1,742,220 130,371 1,738 13,958 15,833 22,622 206,61 130,571 1,7													12,013
Subtotal 1.263 1.430 2.902 2.011 745 2.022 6.318 1.256 1.797 1.650 21.396 84.6 Collection Sewers 4.190 6.318 7.629 7.108 8,140 17.992 17.299 17.894 21.345 22.394 130.300 338.6 On-Going 7.463 9.299 8.734 7.223 6.334 7.421 7.749 8.139 8.440 8.637 79.440 8.633 79.440 8.633 79.440 8.528 34.7 Pumping Facilities 2.267 1.743 1.800 795 165 1.378 151 229 0 0 8.528 34.7 Program Management 6.742 12.269 10.382 6.036 51.27 7.442 6.756 5.278 72.092 133.3 Subtotal 34.786 61.144 54.102 53.215 62.566 51.543 42.443 45.439 50.498 52.201 50.7937 63.136 421.815													15,597
SANTARY SEWER Collection Sewers 4,190 6,318 7,629 7,108 8,140 17,922 17,299 17,894 21,345 22,341 130,300 338,6 On-Going 7,463 9,299 8,734 7,223 6,334 7,421 7,749 8,139 8,440 8,637 79,440 203,2 Puroping Facilities 2,267 1,743 1,800 795 165 1,378 151 229 0 0 8,282 34,3 Program Management 6,742 12,269 10,382 60,365 5,827 4,840 6,521 7,442 6,756 5,278 713,32 Subtotal 34,786 61,144 54,102 53,215 62,566 51,543 42,443 45,439 50,498 52,201 507,937 1,422,97 Lead Program 1,575 1,711 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 20,6,6 0 0 0 0										1,797		· · · · · · · · · · · · · · · · · · ·	84,898
Collection Sewers 4,190 6,318 7,629 7,108 8,140 17,982 17,299 17,894 21,345 22,394 130,000 338,5 On-Going 7,463 9,299 8,734 7,223 6,334 7,421 7,749 8,139 8,440 8,637 79,440 200,2 Pumping Facilities 2,267 1,713 1,800 795 165 1,378 151 229 0 0 6,528 34,77 Program Management 6,742 12,269 10,382 6,305 5,227 4,840 6,621 7,442 6,756 5,276 7,202 13,378 Interceptor/Trunk Force Sewers 14,124 31,514 25,556 32,053 42,099 19,921 10,723 11,736 13,958 15,893 217,777 713,3 Distribution Systems 35,667 32,929 25,610 38,203 38,356 36,401 42,808 51,372 57,333 63,136 421,815 1087,52 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 <td>SANITARY SEWER</td> <td></td> <td>-</td>	SANITARY SEWER												-
On-Going 7,463 9,299 8,734 7,223 6,334 7,421 7,479 8,139 8,440 8,637 79,440 209,2 Pumping Facilities 2,267 1,743 1,600 795 165 1,378 151 229 0 0 0 8,528 34,7 Program Management 6,742 12,269 10,382 6,036 5,827 4,840 6,521 7,442 22,93 133,351 11,736 13,958 15,893 217,577 713,32 13,958 15,893 217,577 713,32 11,736 13,958 15,893 217,577 713,32 142,808 51,372 57,333 63,136 421,815 1,087,5 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 59,672 133,5 1,087,5 1,187 2,114 2,507 2,885 3,190 3,129 3,633 62,72 3,63,3 2,622 20,60 0,60 0 0 0 0 0 0 0 0 0 0 0 0 0,633		4 190	6 318	7 629	7 108	8 140	17 982	17 299	17 894	21 345	22 394	130 300	338,534
Pumping Facilities 2,267 1,743 1,800 795 165 1,378 151 229 0 0 6,528 34,7 Program Management 6,742 12,269 10,322 6,036 5,827 4,840 6,521 7,442 6,756 5,278 77133 Interceptor/Trunk Force Sewers 14,124 31,514 25,556 32,053 42,099 19,921 10,723 11,736 13,958 15,893 217,577 7133 WATER 5 61,144 54,102 52,215 62,566 51,543 42,443 45,439 50,498 52,201 507,937 1,422 507,937 1,425 713,33 63,136 421,815 1,087,9 6,071 6,338 50,637 2,201 57,333 63,136 421,815 1,087,9 6,071 6,338 50,637 2,114 2,507 2,885 3,190 3,129 3,633 2,622 206,67 206,67 206,67 206,67 206,73 206,72 3,637 <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>,</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>209,243</td>			-			,					-		209,243
Program Management 6,742 12,269 10,382 6,036 5,827 4,840 6,521 7,442 6,756 5,278 72,092 133,3< Interceptor/Trunk Force Sewers 14,124 31,514 25,556 32,053 42,099 19,921 10,723 11,736 13,958 15,893 217,577 713,3 Subtotal 34,786 61,144 54,102 53,215 62,566 51,543 42,443 45,439 50,498 52,201 7,432 WATER Subtotal 34,786 61,144 54,102 53,215 62,566 36,401 42,808 51,372 57,333 63,136 242,815 10,87,9 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 206,62 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 17,937	-	-			-			-		-	-		34,759
Interceptor/Trunk Force Sewers 14,124 31,514 25,556 32,053 42,099 19,921 10,723 11,736 13,958 15,893 217,577 713,3 Subtotal 34,786 61,144 54,102 53,215 62,566 51,543 42,443 45,439 50,498 52,201 507,937 1,429,2 WATE R 34,667 32,929 25,610 38,203 38,356 36,401 42,808 51,372 57,333 63,136 421,815 1,087,5 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 208,6 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 DDT 893 627 389 0 0 0 0 0 0 0 101,23 101,83 101,83 104,83 156,7												· ·	133,321
Subtotal 34,786 61,144 54,102 53,215 62,566 51,543 42,443 45,439 50,498 52,201 507,937 1,429,2 WATER Distribution Systems 35,667 32,929 25,610 38,203 38,356 36,401 42,808 51,372 57,333 63,136 421,815 1,087,9 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 208,6 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 125,7 DDOT 893 627 389 0 1,909 33,5			-							-	-		713,359
WATER Distribution Systems 35,667 32,929 25,610 38,203 38,356 36,401 42,808 51,372 57,333 63,136 421,815 1,087,92 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 208,6 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 Pumping Facilities 3,833 5,083 4,211 2,454 2,105 747 735 1,824 8,468 1,510 30,970 178,3 DDOT 893 627 389 0 0 0 0 0 0 0 0 1,909 33,6 Storage Facilities 9,515 9,115 3,427 7,420 3,779 7,582 2,459 2,188 1,343 557 47,387 101,2 Storage Facilities 9,517			-									-	1,429,216
Distribution Systems 35,667 32,929 25,610 38,203 38,356 36,401 42,808 51,372 57,333 63,136 421,815 1,087,5 Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 208,62 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 Pumping Facilities 3,833 5,083 4,211 2,454 2,105 747 735 1,824 8,468 1,510 30,970 178,3 DDOT 893 627 3,827 7,420 3,779 7,582 2,459 2,188 1,343 557 47,387 101,8 Program Management 5,288 6,499 5,096 5,042 3,916 6,218 6,471 4,221 4,266 51,621 101,2 Subtotal 61,878 62,537 44,909	WATER												-
Lead Program 1,575 1,171 870 1,547 2,114 2,507 2,885 3,190 3,129 3,633 22,622 208,6 On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 Pumping Facilities 3,833 5,083 4,211 2,454 2,105 747 735 1,824 8,468 1,510 30,970 178,3 DDOT 893 627 389 0 0 0 0 0 0 1,909 33,5 Storage Facilities 9,515 9,115 3,427 7,420 3,779 7,582 2,459 2,188 1,343 557 47,387 101,5 Program Management 5,288 6,495 5,096 5,042 3,916 6,218 6,471 4,221 4,259 4,616 51,621 101,2 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,23		35 667	32 929	25 610	38 203	38,356	36 401	42 808	51 372	57 333	63 136	421 815	1,087,947
On-Going 5,105 7,116 5,306 6,310 5,931 5,716 5,799 5,879 6,171 6,338 59,672 135,7 Pumping Facilities 3,833 5,083 4,211 2,454 2,105 747 735 1,824 8,468 1,510 30,970 178,3 DDOT 893 627 389 0 0 0 0 0 0 1,909 33,5 Storage Facilities 9,515 9,115 3,427 7,420 3,779 7,582 2,459 2,188 1,343 557 47,387 101,5 Program Management 5,288 6,495 5,096 5,042 3,916 6,218 6,471 4,221 4,259 4,616 51,621 101,2 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,00 CAPITAL EQUIPMENT 39,226 38,737 27,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915	-		-			-					-		208,640
Pumping Facilities 3.833 5.083 4.211 2.454 2.105 747 735 1.824 8.468 1.510 30.970 178.3 DDOT 893 627 389 0 0 0 0 0 0 0 0 1.909 33.9 Storage Facilities 9.515 9.115 3.427 7.420 3.779 7.582 2.459 2.188 1.343 557 47.387 101.8 Program Management 5.288 6.495 5.096 5.042 3.916 6.218 6.471 4.221 4.259 4.616 51.621 101.2 Subtotal 61.878 62.537 44.909 60.975 56.201 59.170 61.158 68.675 80.703 79.790 635.995 1.847.6 CAPITAL PROJECTS 498.977 422.663 375.682 348.654 361.353 323.426 266.052 254.263 252.731 260.434 3.364.235 9.743.0 CAPITAL EQUIPMENT 39.226 38.737 27.127 26.289 10.401 10.035 9.413 9.119<	-									-			135,714
DDOT 893 627 389 0 0 0 0 0 0 0 1,909 33,50 Storage Facilities 9,515 9,115 3,427 7,420 3,779 7,582 2,459 2,188 1,343 557 47,387 101,8 Program Management 5,288 6,495 5,096 5,042 3,916 6,218 6,471 4,221 4,259 4,616 51,621 101,2 Subtotal 61,878 62,537 44,909 60,975 56,201 59,170 61,158 68,675 80,703 79,790 635,995 1,847,6 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,0 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,0 CAPITAL EQUIPMENT 39,226 38,737 27,127 26,289 10,401 10,035 9,413	-	-					-				-		178,399
Program Management 5,288 6,495 5,096 5,042 3,916 6,218 6,471 4,221 4,259 4,616 51,621 101,2 Subtotal 61,878 62,537 44,909 60,975 56,201 59,170 61,158 68,675 80,703 79,790 635,995 1,847,6 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,0 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,00 CAPITAL PROJECTS 498,977 422,663 377,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915 188,156 205,80 WASHINGTON AQUEDUCT 10,838 10,838 10,888 11,018 11,199 11,184 11,054 10,816 9,537 108,209 108,20 108		-			-					-	-		33,933
Program Management 5,288 6,495 5,096 5,042 3,916 6,218 6,471 4,221 4,259 4,616 51,621 101,2 Subtotal 61,878 62,537 44,909 60,975 56,201 59,170 61,158 68,675 80,703 79,790 635,995 1,847,6 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,00 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,00 CAPITAL PROJECTS 498,977 422,663 38,737 27,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915 188,156 205,80 WASHINGTON AQUEDUCT 10,838 10,838 10,888 11,018 11,199 11,184 11,054 10,816 9,537 108,209 10,	Storage Facilities	9,515	9,115	3,427	7,420	3,779	7,582	2,459	2,188	1,343	557	47,387	101,834
Subtotal 61,878 62,537 44,909 60,975 56,201 59,170 61,158 68,675 80,703 79,790 635,995 1,847,6 CAPITAL PROJECTS 498,977 422,663 375,682 348,654 361,353 323,426 266,052 254,263 252,731 260,434 3,364,235 9,743,0 CAPITAL PROJECTS 498,977 422,663 38,737 27,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915 188,156 205,8 WASHINGTON AQUEDUCT 10,838 10,838 10,838 10,888 11,018 11,199 11,184 11,054 10,816 9,537 108,209	Program Management		6,495			3,916	6,218				4,616		101,203
CAPITAL EQUIPMENT 39,226 38,737 27,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915 188,156 205,8 WASHINGTON AQUEDUCT 10,838 10,838 10,838 10,838 11,018 11,199 11,184 11,054 10,816 9,537 108,209			62,537	44,909								635,995	1,847,670
CAPITAL EQUIPMENT 39,226 38,737 27,127 26,289 10,401 10,035 9,413 9,119 8,896 8,915 188,156 205,8 WASHINGTON AQUEDUCT 10,838 10,838 10,838 10,838 11,018 11,199 11,184 11,054 10,816 9,537 108,209	CAPITAL PROJECTS	498 977	422 663	375 682	348 654	361 353	323 426	266 052	254 263	252 731	260 434	3 364 235	9,743,055
WASHINGTON AQUEDUCT 10,838 10,838 10,838 10,838 10,888 11,018 11,199 11,184 11,054 10,816 9,537 108,209													
ADDITIONAL CAPITAL PROGRAMS 50,063 49,575 37,964 37,177 21,419 21,234 20,597 20,173 19,712 18,452 296,365 314,0 LABOR				-	-					-			205,861
LABOR 352,7											9,537	108,209	108,209
	ADDITIONAL CAPITAL PROGRAMS	50,063	49,575	37,964	37,177	21,419	21,234	20,597	20,173	19,712	18,452	296,365	314,070
	LABOR												352,774
TOTAL CALITAL BODGETS 3343,040 \$412,238 \$413,040 \$383,831 \$382,772 \$344,880 \$280,049 \$274,438 \$272,442 \$278,888 \$3,880,800 \$10,409,6		\$540.040	\$172 220	\$112 646	\$385 934	\$383 773	\$314 660	\$286.640	\$274.426	\$272 442	¢ <u>970 00c</u>	\$3 660 600	
		\$343,04 0	\$412,230	9413,04 0	4505,05 1	\$302,112	\$344 ,000	φ200,04 9	7274,4 50	φΖΤΖ,44 Ζ	- \$210,000	\$3,000,000	\$10,403,033

Attachment A-1