

**New York City Department of Environmental Protection
Bureau of Water Supply**

Annual Report on FAD Budget and Staffing

September 2017

*Prepared in accordance with Section 9.0 of the NYSDOH
Revised 2007 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Staffing

Section 9.0 of the Filtration Avoidance Determination (FAD) requires that New York City Department of Environmental Protection (DEP) maintain the level of staffing, funding and expertise necessary to support all elements of the City's Long Term Watershed Protection Programs. Annually, DEP is required to identify actual filled positions versus available positions for each division and section involved in supporting the watershed protection programs. Table 1 summarizes the current staffing level for each division and section involved in supporting the City's watershed protection programs. Table 2 summarizes the extent of our recruitment efforts.

At the end of FY17, 92.2% of all positions within the Bureau of Water Supply have been filled.

Funding

Section 9.0 of the FAD requires that DEP provide written notification as to whether the City budget for the upcoming fiscal year includes sufficient funding to allow the City to meet its obligations under the FAD. Table 3 summarizes capital funds disbursed and appropriated for FY17 through FY21 to support existing and new obligations under the FAD programs. The table reflects the capital commitments contained in the April 2017 Executive Budget. The capital budget is adjusted from time to time throughout the year to meet programs needs and accommodate schedule changes. Table 4 summarizes expense funds disbursed in FY17, budgeted for FY18 and planned for the outer years to support existing and new obligations under the FAD programs. Capital and Expense funds provided by the NYC Office of Management and Budget (OMB) are sufficient to support the City's Long Term Watershed Protection Program.

Water Rates

DEP's water and wastewater services are funded entirely by ratepayers. Rates borne by property owners are the only source of the revenue to support these services, which are essential for local public health and quality of life, and are highly regulated at the state and federal levels. The Water Board adopted a FY16 water rate, which reflected a 2.97% increase over the prior year. On June 22, 2016, the Manhattan Supreme Court invalidated the Water Board's resolution approving a new Rate Schedule set to go into place July 1, 2016. The Water Board is appealing this decision because it believes it acted in the best interest of its customers and in accordance with the law. Water and sewer rates currently remain at the FY16 level pending the outcome of the appeal. Additionally, no water rate increase has been proposed for Fiscal Year 2018. With nearly 20% of the New York City population living below the federal poverty threshold, and another 25% earning less than 150% of the poverty level, it is imperative that DEP continue to strive to keep water and sewer rates as affordable as possible.

Table 1. FY17 FAD Staffing

Program Description	Budgeted Positions	FY17 Filled Positions	Positions in Pipeline
Executive			
Deputy Commissioner	1	1	
Management & Support	3	3	
Total Executive	4	4	0
Water Quality - Management			
Director - Water Quality	1	1	
Management & Support	1	1	
Subtotal	2	2	0
Water Quality - Distribution Water Quality Operations			
Management & Support	2	1	1
Distribution Water Quality Laboratory Operations - Management	1	1	
Microbiology	12	10	2
Wet Chemistry	10	10	
Trace Metals	2	2	
Organic Chemistry	7	7	
Distribution Water Quality Field Operations - Management	1	1	
Field Operations	21	20	1
Early Warning Remote Monitoring	6	6	
Distribution Water Quality Compliance - Management	1	1	
Data Management	8	8	
Quality Assurance	4	3	1
Procurement	2	2	
Health & Safety	1	1	
Distribution Science & Planning	4	4	
Subtotal	82	77	5
Water Quality - Watershed Water Quality Science & Research			
Management & Support	1	1	
Water Quality Modeling	5	5	
Water Quality Program Evaluation & Planning	4	4	

Watershed Impacts & Pathogen Assessment	4	4	
Health Assessment & Policy Coordination	1	1	
Subtotal	15	15	0
Water Quality - Watershed Water Quality Operations			
Management & Support	2	2	
Watershed Water Quality Systems Support	12	12	
EOH Water Quality Operations	44	43	1
WOH Water Quality Operations	62	59	3
Wildlife Studies	3	3	
Subtotal	123	119	4
Total Water Quality	222	213	9
Upstate Police Force			
Chief	1	1	
Assistant Chief	1	1	
Inspector	1	1	
Captain	4	4	
Lieutenant	13	13	
Sergeant	35	35	
Environmental Police Officers	168	145	23
Admin/Analytical/Clerical Support	25	21	4
Total Upstate Police Force	248	218	27
Watershed Protection Programs			
Director - Watershed Protection Programs	1	1	
Management & Support	1	1	
Subtotal	2	2	0
Watershed Protection Programs - Watershed Lands & Community Planning			
Management & Support	1	1	
Land Acquisition	15	14	1
Community Planning	5	5	
Stream Management	9	9	
Working Lands	2	2	
Administration & Compliance	1	1	
GIS Support	4	4	
Subtotal	37	36	1

Watershed Protection Programs - Natural Resources Division			
Management & Support	2	2	
Natural Resources Management	43	39	4
Subtotal	45	41	4
Watershed Protection Programs - Regulatory & Engineering Programs			
Management & Support	3	2	1
Compliance & Administration	4	4	
Wastewater Treatment Programs	14	14	
Stormwater Programs	13	11	2
SSTS Compliance & Inspection	10	10	
WWTP Compliance & Inspection	6	6	
Subtotal	50	47	3
Watershed Protection Programs - Core Services			
Management & Support	1	1	
Natural Resources Management	3	3	
Subtotal	4	4	0
Watershed Protection Programs - WWTP Upgrade Program			
Management & Support	2	1	1
Subtotal	2	1	1
Total Watershed Protection Programs	140	131	9
Planning			
Director - Planning	1	1	
Strategic Planning	2	2	
Capital Planning	15	11	4
Rondout West Branch Tunnel	3	3	
Emergency Planning	3	3	
Total Planning	24	20	4
Management Services & Budget			
Director - Management Services & Budget	1	1	
Management & Support	1	1	
Employee Services	1	1	
Human Resources	16	7	9

Facilities - Valhalla & Kingston	17	17	
Upstate Fleet Services, Fuels & Chemicals	16	15	1
Procurement & Expense	24	21	3
Total Management Services & Budget	76	63	13
Source Water Operations			
Director - Source Water Operations	1	1	
Management & Support	2	2	
Subtotal	3	3	0
Source Water Operations Compliance & Technical Services			
Hazmat & Spill Management	5	5	
Subtotal	5	5	0
Instrumentation SCADA			
Instrumentation & SCADA	3	3	
Subtotal	3	3	0
Source Water Operations - Water Operations			
Management & Support	3	3	
Compliance & Procurement	7	7	
Hydroelectric	8	7	1
Shaft Maintenance	8	7	1
Grahamsville Region - Management & Support	1	1	
Grahamsville Region - Maintenance	22	20	2
Shokan Region - Management & Support	4	4	
Shokan Region - Maintenance	35	34	1
Downsville Region - Management & Support	1	1	
Downsville Region - Maintenance	25	25	
Highlands Region - Management & Support	4	4	
Highlands Region - Maintenance	40	39	1
Engineering	2	2	
Subtotal	160	154	6
Source Water Operations - Engineering & Construction			
Management & Support	2	2	
Engineering & Construction	18	17	1
Subtotal	20	19	1

Source Water Operations - Reservoir Operations			
Management	1	1	
Reservoir Operations	12	11	1
Watershed Monitoring & Operations Support	8	7	1
Subtotal	21	19	2
Source Water Operations - Wastewater			
Management & Support	6	6	
Wastewater Treatment Operations	40	39	1
Engineering & Tech Maintenance	12	12	
Subtotal	58	57	1
Total Source Water Operations	270	260	10
Water Treatment Operations			
Director - Water Treatment Operations	1	1	
Management & Support	0	0	
Subtotal	1	1	0
Water Treatment Operation North			
Management & Support	5	5	
Operations	46	42	4
Instrumentation & Controls	9	9	
Engineering	4	4	
Trades	27	25	2
Field Maintenance	10	9	1
Subtotal	102	95	7
Water Treatment Operation South			
Management & Support	4	4	
Operations	80	73	7
Instrumentation & Controls	6	6	
Engineering	9	7	2
Trades	28	23	5
Field Maintenance	16	13	3
Subtotal	143	126	17
Quality Assurance			

Management & Support	1	1	
Quality Assurance	17	14	3
Subtotal	18	15	3
Total Source Water Operations	263	236	27
Environmental Health & Safety			
Director - Environmental Health & Safety	1	1	
Management & Support	4	4	
Facilities Compliance	18	16	2
Project & Field Compliance	5	5	
Environmental Projects	5	5	
EH&S Core Services	8	8	
Total Environmental Health & Safety	41	39	2
Total Bureau of Water Supply			
	1288	1187	101
Percentage of Positions Filled =92.2%			

Additional staff support for certain FAD Programs is provided by other units within DEP and the City including the Bureau of Engineering Design and Construction, the Bureau of Legal Affairs, the Office of Environmental Planning and Assessment, the Bureau of Public Affairs and the New York City Law Department.

Table 2. Vacancy Advertisements

Civil Service Title	Business Title	Division	Location	Date	Posted On
Computer Associate (Software)	Computer Associate (Software)	Water Quality	Kingston	30 Days	hudsonvalleyhelpwanted.com
Civil Engineer II	Civil Engineering	WPP - Regulatory & Engineering Programs	Valhalla	8/5, 8/6 & 8/7	Westchester Journal News
Watershed Maintainer	Watershed Maintainer	Source Water Operations - Water Operations	Shokan	1) 8/5, 8/6 & 8/8 2) 8/5, 8/6 & 8/7	1) Oneonta Star 2) Kingston Daily Star
Stationary Engineer Electric	Stationary Engineer Electric	Source Water Operations - Wastewater Operations	Margaretville	1) 8/12, 8/14 & 8/15 2) 8/12, 8/13 & 8/14	1) Oneonta Star 2) Kingston Daily Star
Part-Time Custodian	Custodian	Source Water Operations - Water Operations	Grahamsville	9/6 & 9/9	Sullivan County Democrat
Administrative Project Manager	Regional Manager - Downsville	Source Water Operations - Water Operations	Downsville	1) 10/14 & 10/18 2) 10/13, 10/14 & 10/15	1) Sullivan County Democrat 2) Oneonta Daily Star
Administrative Engineer (Non Mgrl)	Administrative Engineer	Source Water Operations - Wastewater Operations	Grahamsville	1) 2/3, 2/4 & 2/5 2) 2/3, 2/4 & 2/5 3) 30 DAYS 4) 40 DAYS	1) Middletown Herald Record 2) Kingston Daily Freeman 3) American Society Of Civil Engineers 4) monster.com
Associate Project Manager	Forester	WPP – Natural Resources	Downsville, Grahamsville, Kingston, Carmel	1) 30 DAYS 2) 30 DAYS	1) Society Of American Foresters 2) Forestry USA

Civil Service Title	Business Title	Division	Location	Date	Posted On
Associate Chemist	Technical Director & Supervisor of the Organic Chemistry Section	Water Quality	Kingston	1) 5/12, 5/13 & 5/14 2) 30 DAYS	1) Kingston Daily Freeman 2) hudsonvalleyhelpwanted.com
Civil Engineer	Civil Engineering	WPP - Regulatory & Engineering Programs	Valhalla	30 DAYS	careerbuilder.com
City Custodial Assistant	City Custodial Assistant (Part-Time)	Source Water Operations - Water Operations	Grahamsville	5/30 & 6/2	Sullivan County Democrat
Associate Project Manager	Forest Resources Planner II	WPP – Natural Resources	Kingston	1) 30 DAYS 2) 30 DAYS	1) Society Of American Foresters 2) Forestry USA
Associate Project Manager	Forest Resources Planner II	WPP – Natural Resources	Kingston	30 DAYS	GIS Jobs Clearinghouse

Table 3. FY17 FAD Capital Budget

Program	Contracting Entity	FY17 Disbursements (Payments)	Costs Scheduled for Disbursements 2018 - 2021	APPROPRIATIONS				Total Program Costs FY17-FY21
				FY18	FY19	FY20	FY21	
Environmental Infrastructure								
WWTP Upgrade Program	Environmental Facilities Corp.	\$-	\$41,452,047	\$-	\$-	\$-	\$-	\$ 41,452,047
Capital Equipment Replacement Program	Environmental Facilities Corp.	\$-	\$7,205,148	\$13,000,000	\$-	\$-	\$-	\$ 20,205,148
New Sewage Treatment Infrastructure	Catskill Watershed Corp. & Environmental Facilities Corp.	\$-	\$17,081,846	\$-	\$-	\$-	\$-	\$ 17,081,846
Community Wastewater Management	Catskill Watershed Corp.	\$-	\$ 29,500,000	\$30,000,000	\$-	\$-	\$-	\$ 59,500,000
Sewer System Extension Program	Multiple with private contractors	\$2,337,946	\$2,172,401	\$3,535,000	\$-	\$-	\$-	\$ 8,045,347
Stormwater Retrofit WOH Program	Catskill Watershed Corp.	\$1,254,920	\$6,758,993	\$875,000	\$-	\$-	\$-	\$ 8,888,913
Protection and Remediation								
Flood Hazard Mitigation Program	Catskill Watershed Corp.	\$-	\$11,000,000	\$-		\$-	\$-	\$ 11,000,000
Land Acquisition Hard Costs	Watershed Landowners & Partnerships	\$16,891,215	\$26,105,029	\$2,000,000	\$-	\$54,190,000	\$20,000,000	\$ 119,186,244
Land Acquisition Soft Costs	Multiple Agreements	\$1,077,429	\$10,473,940	\$765,000	\$-	\$-	\$-	\$ 12,316,369
Land Management Program	Multiple Agreements	\$75,482	\$91,655	\$1,438,000	\$-	\$-	\$-	\$ 1,605,137
Watershed Agricultural & Forestry Program	Watershed Agricultural Council	\$3,483,577	\$7,575,560	\$-	\$-	\$-	\$-	\$ 11,059,137

Program	Contracting Entity	FY17 Disbursements (Payments)	Costs Scheduled for Disbursements 2018 - 2021	APPROPRIATIONS				Total Program Costs FY17-FY21
				FY18	FY19	FY20	FY21	
Stream Management Program	Multiple Agreements	\$4,582,267	\$15,009,115	\$8,123,000	\$-	\$-	\$-	\$27,714,382
Kensico Water Quality Programs	Multiple with private contractors	\$19,725	\$235,414	\$25,806,000	\$-	\$-	\$-	\$26,061,139
EOH Non-Point source Control	Multiple with private contractors	\$730,066	\$328,837	\$26,833,000	\$-	\$-	\$-	\$27,891,903
Catskill turbidity Control - Operations Support Tool	Gannett Fleming/Hazen & Sawyer PC, JV	\$-	\$-	\$-	\$150,000	\$-	\$-	\$150,000
Catskill Turbidity Control - Shaft 4	Multiple with private contractors	\$2,723,321	\$1,687,331	\$-	\$-	\$-	\$-	\$4,410,652
Watershed Monitoring, Modeling and GIS								
Watershed Monitoring	Multiple with private contractors	\$-	\$-	\$150,000	\$-	\$-	\$-	\$150,000
Modeling Program	Multiple with private contractors	\$-	\$31,970	\$-	\$-	\$-	\$-	\$31,970
Geographic Information System Program	Multiple Agreements	\$-	\$97,819	\$1,329,000	\$-	\$-	\$-	\$1,426,819
Regulatory Programs								
CAT/DEL Ultraviolet Disinfection (UV)	Multiple with private contractors	\$5,813,801	\$26,238,677	\$15,000,000				\$47,052,478
Totals		\$38,989,749	\$203,045,783	\$128,854,000	\$150,000	\$54,190,000	\$20,000,000	\$445,229,532

Table 4. FY17 FAD Expense Budget

Programs		Contracting Entity	FY17 Disbursements	FY18	FY19	Total Costs FY17-FY19
SWTR Filtration Avoidance Criteria Requirements						
2.0	Watershed Program Expert Panel	NASEM	\$0	\$150,000	\$325,000	\$475,000
Environmental Infrastructure						
3.1	Septic and Sewer Programs	Catskill Watershed Corp.	\$5,400,000	\$7,200,000	\$7,200,000	\$19,800,000
3.2-3.4	WWTP O&M Programs	Multiple Purchases	\$16,366,312	\$17,428,304	\$18,308,992	\$52,103,609
3.5	Stormwater Programs	Catskill Watershed Corp.	\$77,164	\$300,000	\$300,000	\$677,164
	Stormwater Reimbursements	Catskill Watershed Corp. and multiple	\$17,857	\$750,000	\$500,000	\$1,267,857
	Catskill Watershed Corp Operating Funds	Catskill Watershed Corp.	\$291,575	\$291,575	\$291,575	\$874,725
Protection/Remediation						
4.1	Waterfowl Management Program	HDR	\$1,464,481	\$1,600,475	\$1,600,475	\$4,665,431
4.2	Land Acquisition Program	Multiple Purchases	\$637,897	\$637,897	\$637,897	\$1,913,691
4.3	Land Management Program	Multiple Purchases	\$0	\$1,500,000	\$0	\$1,500,000
4.4-4.5	Watershed Agriculture & Forestry Program	WAC	\$6,951,165	\$7,191,863	\$7,439,378	\$21,582,406
4.6	Stream Management Program	Multiple SWSD	\$4,420,197	\$4,612,689	\$4,910,422	\$13,943,308

4.8	Ecosystem Protection	Multiple Purchases	\$25,704	\$936,000	\$1,194,000	\$2,155,704
4.9-4.10	EOH Nonpoint Source & Kensico Programs	Transit Construction Corp.	\$630,986	\$600,000	\$600,000	\$1,830,986
4.11	Catskill Turbidity Program	Multiple Contracts	\$164,228	\$307,000	\$204,196	\$675,424
Watershed Monitoring, Modeling & GIS						
5.1	Monitoring	Multiple Purchases	\$268,770	\$175,000	\$175,000	\$618,770
5.2	Modeling	Multiple Purchases	\$338,629	\$640,000	\$640,000	\$1,618,629
5.3	GIS	Multiple Purchases	\$348,135	\$389,258	\$400,086	\$1,137,479
Regulatory Program						
6.1	Delegation	Contracts with Westchester, Putnam & Ulster Counties	\$17,370	\$732,787	\$490,000	\$1,240,157
In-City Programs						
8.1	WDRAP	NYC Dept. of Health	\$7,632	\$30,300	\$30,300	\$68,232
Education & Outreach						
10	Public Education	Catskill Watershed Corp.	\$199,883	\$200,000	\$200,000	\$599,883
		Totals	\$37,627,985	\$45,673,148	\$45,447,321	\$128,748,454

Table 5. FAD Contract Status Report

Streamside Acquisition Program

Contract Information:

Description: CAT-435

This program provides for the Catskill Center to act as an agent for NYC, allowing NYC to permanently acquire critical lands with riparian buffers.

Start Date: 07/15/2015
End Date: 07/13/2020

Budget Information:

Total Contract Cost: \$5,000,000
Total payments as of 06/30/17: \$597,220
Available Contract Balance: \$4,402,780
Amounts in Reserve: \$280,000

Contract Actions:

The Draft 2017 FAD calls for an increase of \$3 million to be added to the current contract within 18 months of the issuance of the FAD. The Draft 2017 FAD also requires an increase of \$8 million to be added within 18 months of a written determination to expand and extend the Program beyond the current pilot area (Schoharie Basin) following a formal evaluation to be completed by 12/15/2020. If it is decided to expand and extend the Program, the City will either execute a new contract with the new funding added (favored by the vendor) or amend the current contract.

CWC Local Consultation Fund

Contract Information:

Description: CATWAT5

This program covers eligible costs to communities related to their review of the City’s proposed land acquisitions.

Start Date: 04/07/1997
End Date: 08/25/2026

Budget Information:

Total Contract Cost: \$1,500,000
Total payments as of 06/30/17: \$165,443
Available Contract Balance: \$1,334,557
Amounts in Reserve: \$0

Contract Actions:

A contract Amendment has been prepared by DEP and approved by CWC to increase the funding from \$30,000 to \$40,000 for each incorporated town and village and up to \$5,000 will be made available for municipalities to review the updated Town Level Assessments, as per the Draft 2017 FAD. The amendment is currently being processed and is expected to be registered in early 2018.

CWC - Operating Funds

Contract Information:

Description: CAT-412

This program allows CWC to operate their organization and maintain their office building.

Budget Information:

Total Contract Cost: \$2,041,025
Total payments as of 06/30/17: \$1,749,450
Available Contract Balance: \$291,575

		Amounts in Reserve:	\$613,260
Start Date:	06/07/2012	Estimated Burn Rate per year:	\$291,575
End Date:	06/06/2019	Funding Depleted by:	06/30/2020

Contract Actions:

There are currently no contract actions pending against the current Operating Funds contract but the successor contract, CAT-486: CWC Operational Expenses IV will be negotiated by DEP and CWC. It is anticipated CAT-486 will be registered after CWC has updated cost estimates on the cost to operate the new CWC office building.

CWC - Community Wastewater Management Program III

Contract Information:

Description: DEL-392
 This program allows CWC to administer funds to establish septic maintenance districts or construct community septic systems for communities identified in the MOA.
 Start Date: 02/25/2014
 End Date: 02/23/2024

Budget Information:

Total Contract Cost: \$29,500,000
 Total payments as of 06/30/17: \$0*
 Available Contract Balance: \$29,500,000
 Amounts in Reserve: \$0

Contract Actions:

DEP has met our prior obligations of funding \$37,200,000 and CWC has granted all block grants required to date. The current contract, DEL-392, will be amended to add the funding necessary to fulfill the remaining block grants. The amount will be determined after the projects are selected and the balance from CWMP II is determined. The Project Manager is handling negotiations at this time. Funding for the forthcoming Shokan project will be provided under another contract – CAT-483.

*A payment of \$15,425,000 was made on 07/28/2017 leaving a balance of \$14,075,000 available.

CWC - Future Stormwater Controls (MOA 128)

Contract Information:

Description: CAT-482 (MOA 128)
 This program funds the design, construction, and maintenance of stormwater controls and individual residential stormwater plans located West of Hudson.
 Start Date: Not Registered
 End Date: Not Registered

Budget Information:

Total Anticipated Cost: \$4,720,869
 Total payments as of 06/30/17: NA
 Available Contract Balance: NA
 Amounts in Reserve: \$0

Contract Actions:

The original Stormwater Controls contract, CATWAT3 (\$31.7M), was registered at the time of the MOA and is closed. CWC has \$14,464,857 remaining of those original funds after transferring approximately \$18 million of those funds to other CWC programs. DEP has agreed to provide \$4,720,869 to replenish the Future Stormwater Funds held by CWC, to be used in accordance MOA Paragraph 128, on or before May 31, 2019.

CWC - Future Stormwater Controls (MOA 145)

Contract Information:

Description: CAT-449 (MOA 145)
 This program funds the design and implementation of stormwater controls for new residences, small businesses and low-income housing both West of Hudson and East of Hudson.
 Start Date: Not registered
 End Date: Not registered

Budget Information:

Total <u>Anticipated Cost:</u>	\$5,500,000
Total payments as of 06/30/17:	NA
Available Contract Balance:	NA
Amounts in Reserve:	\$0

Contract Actions:

Anticipated registration date for CAT-449 is approximately January 2019 in the amount of \$5,500,000 required by the FAD.

CWC - Local Flood Hazard Mitigation

Contract Information:

Description: CAT-442
 This program allows CWC to work with watershed communities to review their towns' local flood assessments and determine any mitigation thereof.
 Start Date: 06/01/2015
 End Date: 05/29/2025

Budget Information:

Total Contract Cost:	\$17,000,000
Total payments as of 06/30/17:	\$5,000,000
Available Contract Balance:	\$12,000,000
Amounts in Reserve:	\$4,751,245

Contract Actions:

DEP currently anticipates that a successor contract will be needed prior to 2025.

CWC Public Education Program

Contract Information:

Description: CAT-436
 This program allows CWC to administer the public education program.

Budget Information:

Total Contract Cost:	\$1,426,138
Total payments as of 06/30/17:	\$660,130*
Available Contract Balance:	\$766,009
Amounts in Reserve:	\$40,553

Start Date:	04/25/2014	Estimated Burn Rate per year:	\$200,000
End Date:	04/23/2021	Funding Depleted by:	06/30/2021

Contract Actions:

Since this contract doesn't end until 2021, no extensions or amendments are currently being negotiated or processed at this time.

*A payment in the amount of \$168,342.00 was paid on 08/02/17 leaving a balance of \$597,667.00.

CWC Septic Maintenance Program

Contract Information:

Budget Information:

Description: DEL-218	Total Contract Cost:	\$1,500,000
This program allows CWC to assist qualifying landowners in septic pump-outs throughout the WOH watershed.	Total payments as of 06/30/17:	\$1,500,000
	Available Contract Balance:	\$0
	Amounts in Reserve:	\$1,275,579
Start Date: 07/15/2003	Estimated Burn Rate per year:	\$55,000
End Date: 07/14/2018	Funding Depleted by:	06/30/2027

Contract Actions:

An Amendment is under development to extend the contract term and expand eligibility for the program. Expanded eligibility will likely increase the program burn rate. Anticipated registration is approximately 08/30/2018.

Septic Repair III, IV and V

Contract Information:

Budget Information:

Description: CAT-415	Total Contract Cost:	\$46,800,000
This program allows CWC to repair eligible septic systems in the WOH watershed.	Total payments as of 06/30/17:	\$32,224,466
	Available Contract Balance:	\$14,575,534
	Amounts in Reserve:	\$6,668,666
Start Date: 07/21/2008	Estimated Burn Rate per year:	\$7,200,000
End Date: 07/19/2018	Funding Depleted by:	06/30/2020*

Contract Actions:

DEP is currently working to extend the time for Septic III (CAT-355). The balance of CAT-355 is approximately \$5.5 million and is not shown in the Reserve Amount above. CAT-415 (Septic Repair IV) is currently active and the successor contract (CAT-484: Septic Repair V) is currently being negotiated by the CWC and the City, with an anticipated registration date on or about 03/31/2019.

*CWC needs to maintain approximately 1 year of program funding on hand in order to sign new participants into the program. As such, CWC will need new funding by 06/30/2019.

CWC Stormwater Retrofit

Contract Information:

Description: CATWAT9 & CAT-414

This program addresses existing stormwater runoff issues through the planning, design, and construction of stormwater retrofits.

Start Date: 04/23/1997,
02/25/2014

End Date: 04/24/2017,
02/23/2024

Budget Information:

Total Contract Cost (CATWAT9): \$17,548,050

Total payments as of 06/30/17: \$15,275,000

Available Contract Balance: \$2,273,050

Amounts in Reserve: \$1,674,000

Total Contract Cost (CAT-414): \$7,056,000

Total Payments as of 06/30/17: \$968,371

Available Contract Balance: \$6,087,629

Amounts in Reserve: \$869,000

Contract Actions:

There are currently 2 contracts open for the Stormwater Retrofit program. CATWAT9 is active with a total cost of \$17,548,050. The expense portion of this contract has been extended through 04/23/2022 and extension of the capital portion should be approved shortly. The successor contract (CAT-414), is an active contract that expires 02/22/2024.

EOH/Kensico Septic Rehabilitation & Reimbursement Program (EFC)

Contract Information:

Description: CRO-495

This program assists with the construction and maintenance of septic systems in the EOH and Kensico Basins.

Start Date: 01/05/2009

End Date: 01/05/2018

Budget Information:

Total Contract Cost: \$2,800,000

Total payments as of 06/30/17: \$2,800,000

Available Contract Balance: \$0

Amounts in Reserve: \$2,366,481

Contract Actions:

This contract is in process of being renewed for a 5-year term. Additional basins are being added to the list of eligible areas per the draft 2017 FAD, which will require an amendment to the contract scope of work.

Ashokan Stream Management Program (CCE)

Contract Information:

Description: CAT-437

This program allows the Cornell Cooperative Extension (CCE) to develop and implement stream

Budget Information:

Total Contract Cost: \$6,266,952

Total payments as of 06/30/17: \$3,904,264

Available Contract Balance: \$2,362,688

management plans in the Ashokan Basin.	Amounts in Reserve:	\$2,130,000
Start Date:	09/01/2014	
End Date:	08/31/2019	

Contract Actions:

There are currently no contract actions pending against the current CAT-437 contract but the successor contract, CAT-493 is currently being negotiated by the Project Manager and CCE of Ulster County. The successor contract is anticipated being registered on or around 06/30/2019.

Ashokan Stream Management Program (SWCD)

Contract Information:

Budget Information:

Description: CAT-446	Total Contract Cost:	\$7,453,818	
This program allows the Ulster County Soil & Water Conservation District (SWCD) to develop and implement stream management plans in the Ashokan Basin.	Total payments as of 06/30/17:	\$2,531,707	
Start Date:	04/01/2015	Available Contract Balance:	\$4,922,111
End Date:	03/31/2020	Amounts in Reserve:	\$254,000

Contract Actions:

There are currently no contract actions pending against the current CAT-446 contract but the successor contract, CAT-494 is currently being negotiated by the Project Manager and Ulster County SWCD. The successor contract is anticipated being registered on or around 06/30/2019.

Delaware Stream Management Program (SWCD)

Contract Information:

Budget Information:

Description: DEL-406	Total Contract Cost:	\$13,326,000	
This program allows the Delaware County Soil & Water Conservation District (SWCD) to develop and implement stream management plans in the Delaware Basin.	Total payments as of 06/30/17:	\$8,025,210	
Start Date:	10/01/2014	Available Contract Balance:	\$5,300,790
End Date:	9/30/2019	Amounts in Reserve:	\$4,000,000

Contract Actions:

There are currently no contract actions pending against the current DEL-406 contract but the successor contract, DEL-436 is currently being negotiated by the Project Manager and Delaware County SWCD. The successor contract is anticipated being registered on or around 06/30/2019.

Rondout-Neversink Stream Management Program (SWCD)

Contract Information:

Description: CAT-443
 This program allows the Sullivan County Soil & Water Conservation District (SWCD) to develop and implement stream management plans in the Rondout-Neversink Basin.
 Start Date: 03/01/2015
 End Date: 02/20/2020

Budget Information:

Total Contract Cost: \$6,569,618
 Total payments as of 06/30/17: \$2,170,891
 Available Contract Balance: \$4,398,727
 Amounts in Reserve: \$2,700,000

Contract Actions:

There are currently no contract actions pending against the current CAT-443 contract but the successor contract, CAT-495 is currently being negotiated by the Project Manager and Sullivan County SWCD. The successor contract is anticipated being registered on or around 06/30/2019.

Schoharie Stream Management Program (SWCD)

Contract Information:

Description: CAT-444
 This program allows the Greene County Soil & Water Conservation District (SWCD) to develop and implement stream management plans in the Schoharie Basin.
 Start Date: 04/01/2015
 End Date: 03/30/2020

Budget Information:

Total Contract Cost: \$12,881,546
 Total payments as of 06/30/17: \$2,729,621
 Available Contract Balance: \$10,151,924
 Amounts in Reserve: \$870,000

Contract Actions:

There are currently no contract actions pending against the current CAT-444 contract but the successor contract, CAT-496 is currently being negotiated by the Project Manager and Greene County SWCD. The successor contract is anticipated being registered on or around 06/30/2019.

WAC Agricultural & Forestry Program

Contract Information:

Description: CAT-433
 This program allows WAC to continue to engage farmers and forest landowners to promote the stewardship of family farms and sustainable forests in the Watershed.
 Start Date: 01/01/2014
 End Date: 12/31/2018

Budget Information:

Total Contract Cost: \$53,245,910
 Total payments as of 06/30/17: \$34,742,869
 Available Contract Balance: \$18,503,041
 Amounts in Reserve: \$3,937,000*

Contract Actions:

Amendment #2 was registered on 07/07/2017, providing new funds and a new scope of work to continue the program through December 2018. Negotiations on the successor contract (CAT-487) are nearing completion and the City anticipates CAT-487 registering on or around 12/31/2018.

*Once the pending budget modification is approved, WAC will re-allocate funds over FY18 so only \$900,000 will be in reserves.

WAC Farm & Forestry Easement Program

Contract Information:

Budget Information:

<p>Description: CAT-403</p> <p>This program allows the Watershed Agricultural Council (WAC) to acquire conservation easements on watershed farms and forest lands.</p> <p>Start Date: 06/27/2013</p> <p>End Date: 06/25/2018</p>	<p>Total Contract Cost: \$29,000,000</p> <p>Total payments as of 06/30/17: \$11,743,787</p> <p>Available Contract Balance: \$17,256,213</p> <p>Amounts in Reserve: \$4,105,000</p>
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Contract Actions:

The Draft 2017 FAD calls for an increase of \$11 million to be added within 18 months of the issuance of the FAD to support the Farm Easement Program. The draft 2017 FAD also requires an increase of \$8 million to be added within 18 months of a written determination to extend the Forestry Easement Pilot Program following a formal evaluation to be completed by 12/15/2020. If it is decided to extend the program, the City will either amend the current contract or execute a new contract.