

Derry Township Municipal Authority

2020 Stormwater Fund Budget

APPROVED

DTMA Board Resolution #2019-68

December 30, 2019



TABLE A
FY 2019 REVIEW SUMMARY
Statement of Revenues and Expenses
Budget and Year-to-Date Comparison
For the period from January 1, 2019 to October 31, 2019
(displayed in \$1,000s)

	2019 YTD	Budget YTD	Increase (Decrease)	% Δ	2019 Budget
OPERATING REVENUES					
Stormwater Service:					
Direct Customers	1,393.6	1,157.0	236.6	20.4%	1,388.4
Penalties	7.3	2.8	4.6	167.1%	3.3
Total Operating Revenue	1,400.9	1,157.0	241.1	187.5%	1,391.7
OPERATING EXPENSES					
Administrative (including payroll taxes & benefits)	269.1	342.9	(73.8)	(21.5%)	411.4
Collection Systems	103.3	483.6	(380.3)	(78.6%)	580.3
Projects & Miscellaneous	0.0	159.5	(159.5)	(100.0%)	191.4
Total Operating Expense	372.4	826.4	(454.1)	(100.2%)	991.7
Operating Income Before D & A	1,028.5	330.6	698.0	211.1%	400.0
Depreciation and Amortization	(173.3)	(161.7)	(11.7)	7.2%	(194.0)
Total Operating Income / (Loss)	1,201.9	492.2	686.3	218.4%	206.0
Non-operating Revenue					
Interest	52.5	23.4	29.1	124.2%	28.1
Total Non-operating Income	52.5	23.4	29.1	124.2%	28.1
Non-operating Expense					
Interest Expense	144.7	146.9	(2.2)	(1.5%)	156.3
Total Non-operating Expense	144.7	146.9	(2.2)	(1.5%)	156.3
Income Before Capital Contributions	1,109.7	368.7	741.0	200.9%	77.8
Capital Contributions	0.0	0.0	0.0	-	0.0
Cost Sharing Agreements	(50.0)	(127.5)	77.5	(60.8%)	(153.0)
Increase (Decrease) in Net Position	1,059.7	241.2	818.5	140.2%	(75.2)

TABLE 1
OPERATING FUND
Comparative Cash Budget (in thousands)

Category / Item	2020	2019	Δ\$	Δ%
Receipts				
Direct Customers	1,575.6	1,388.4	187.2	13.5%
Penalties	3.3	3.3	0.0	0.0%
Interest-Operating Fund	0.0	0.0	0.0	~
Income-Investment Fund	35.1	13.6	21.5	158.1%
Interest-Trust and Restricted Funds	14.0	14.5	(0.5)	(3.4%)
Totals before Transfers	1,628.0	1,419.8	208.7	14.7%
Federal and State Grants	153.0	153.0	0.0	~
Totals	1,781.0	1,572.8	208.7	13.3%
Disbursements				
Departmental Expenditures				
Administration	433.5	411.4	22.1	5.4%
Collection System	472.8	580.3	(107.5)	(18.5%)
Capital Expenditures (Table 2)				
Operating Fund (Table 2, Part A)	1,521.8	191.4	1,330.5	695.2%
2018 CF Overage (Table 2, Part B)	191.0	0.0	191.0	~
Debt Service Payments				
Totals before Transfers	2,674.5	1,238.5	(85.4)	(6.9%)
Net Cash				
Inc (Dec) before Transfers	(1,046.5)	181.3	294.1	162.2%
Increase (Decrease)	(893.5)	334.3	294.1	88.0%
Beginning Cash Balance	1,805.4			
Ending Cash Balance	912.0			

TABLE 2
PROJECTS & CAPITAL EXPENDITURES

A. OPERATING FUND					
No.	PROJECT NAME	TOTAL COST	PAID Thru 11/30/2019	2020	FUNDING SOURCE
1.	Lucity Asset Mgt Software*	32,175	7,272	24,903	OF
2.	ACE 2020 50/50 Work	50,000	-	50,000	OF
3.	Grove St. [Downstream] Drainage Improvements	50,000	-	50,000	OF
4.	Brookside Basin Rehabilitation	300,000	13,077	286,923	OF
5.	Bullfrog Valley Basin Improvements	300,000	-	100,000	OF
6.	Stonecutter Circle	85,000	-	85,000	OF
7.	Forest Ave - Med Ctr Swale Improvements	225,000	-	25,000	OF
8.	Infrastructure Replacement #2	900,000	-	900,000	OF
9.	2018 CF OVERRUN	-	-	191,000	OF
SUBTOTAL OPERATING FUND		1,942,175	20,349	1,712,826	
B. 2018 CONSTRUCTION FUND					
REMAINING STORMWATER SHARE 2018 CF				639,700	
10.	PRP Projects	75,000	-	75,000	18CF
11.	2019 Storm Sewer Rehabilitation	260,000	4,300	255,700	18CF
12.	2020 Storm Sewer Rehabilitation	150,000	-	150,000	18CF
13.	Ridge Road Improvements	350,000	-	350,000	18CF
SUBTOTAL 2018 CONSTRUCTION FUND		835,000	4,300	830,700	
2018 CF STORMWATER OVERRUN (INCLUDE w/ O.F.)				(191,000)	
TOTAL PROJECTS & CAPITAL EXPENDITURES		2,777,175	2,352,526	2,352,526	

NOTES:

* 80/20 Cost share with Wastewater/Stormwater

TABLE 3
STORMWATER FUNDS SUMMARY
Projected Changes in Operating Fund Balances
(Cash Basis)(in thousands)

Description	Operating		Reserve	Totals
	Operating Fund	Investment Fund	2018 Construction	
Balances				
as of January 1, 2020	1.0	1,804.4	639.6	2,445.0
Add:				
Receipts	1,544.7	(896.6)	0.0	648.1
Interest Earnings	0.0	35.1	14.0	49.1
Transfer from 2018 Construction Fund				0
Deduct:				
Disbursements	2,441.3	0.0	830.7	3,272.0
Transfer to Investment Fund	(896.6)		0.0	(896.6)
Balances				
as of December 31, 2020	1.0	943.0	(177.1)	766.8
Change in Fund				
Increase (Decrease)	0.0	(861.5)	(816.7)	(1,678.2)

**ATTACHMENT A
OPERATING FUND
Change in Net Position**

Category / Item	2020 Budget	2019 Budget	Difference Amount	%
Operating Revenue				
Direct Customers	1,575.6	1,388.4	187.2	13.5%
Penalties	3.3	3.3	0.0	0.0%
Operating Revenue	1,578.9	1,391.7	187.2	13.5%
Operating Expenses				
Administration	433.5	411.4	22.1	5.4%
Collection System	472.8	580.3	(107.5)	(18.5%)
Projects & Miscellaneous	1,712.8	191.4	1,521.4	794.9%
Operating Expenses	2,619.1	1,183.1	1,436.0	121.4%
Net Income (Loss)				
Earnings before Depreciation & Amortization	(1,040.2)	208.6	(1,248.8)	(598.7%)
Less: Depreciation and Amortization	207.4	194.0	13.4	6.9%
Net Income	(1,247.6)	14.6	(1,262.2)	(8656.5%)
Nonoperating Revenue				
Interest Income	49.1	28.1	21.0	74.7%
Nonoperating Revenue	49.1	28.1	21.0	74.7%
Nonoperating Expense				
Interest on Debt	53.7	56.3	(2.6)	(4.6%)
Cost-Sharing Agreement Exp	50.0	100.0	(50.0)	(50.0%)
Debt Issuance Cost	0.0	0.0	0.0	~
Nonoperating Expense	103.7	156.3	(52.6)	(33.7%)
Increase (Decrease) in Net Position				
Before Capital Contributions	(1,302.2)	(113.6)	(1,188.6)	1046.1%
Contributions and Grants				
Grant Receipts and Contributions	153.0	153.0	0.0	0.0%
Increase (Decrease) in Net Position				
Change in Net Position	(1,149.2)	39.4	(1,188.6)	(3018.2%)

ATTACHMENT B**DESCRIPTION OF STORMWATER PROJECTS AND CAPITAL EXPENDITURES**

The following heading and numbers correspond to those found in Table 2 of the Budget.

STORMWATER OPERATING FUND [OF]

1. Lucity Asset Management Software [IN PROGRESS] – Implementation of the asset management software.
2. Army Corps of Engineers (ACE) [ON-GOING] - Stormwater infrastructure condition assessment and hydrologic modeling of areas of concern.
3. Grove Street Downstream Drainage Improvements – Improvement work to the swale downstream of Grove Street to continue to mitigate stormwater and drainage backups.
4. Brookside Basin Rehabilitation – Regrade basin and repair failing pipes.
5. Bullfrog Valley Basin Improvements – Upgrade capacity of stormwater basins located in the Bullfrog Valley watershed.
6. Stonecutter Circle - Improve severe erosion issue between Jill Court and Stonecutter Circle by piping water down a steep embankment.
7. Forest Avenue – Medical Center Swale Improvements – Preliminary design for upgrades to the Forest Avenue stormwater infrastructure and the receiving basin located on Hershey Medical Center property.
8. Infrastructure Replacement #2 – Replacement of and improvements to stormwater piping and outlets/headwalls along Stoverdale Road and Shopes Church Road.
9. 2018 Construction Fund Overrun – Funds needed to cover the gap between proposed Stormwater projects (listed below) and the remaining Stormwater Program share of the 2018 Construction Fund bond proceeds.

STORMWATER - 2018 CONSTRUCTION FUND [18CF]

10. Pollution Reduction Projects – Final design and beginning work for MS4 pollution reduction plan projects.
11. 2019 Storm Sewer Rehabilitation – Reline or other otherwise rehabilitate stormwater pipeline and related components identified and prioritized by DTMA Staff (bid pending).
12. 2020 Storm Sewer Rehabilitation – Reline or other otherwise rehabilitate stormwater pipeline and related components identified and prioritized by DTMA Staff inspections and requiring urgent attention.
13. Ridge Road Improvements – Reroute and upgrade existing deteriorating storm sewer infrastructure along Ridge Road. Project will also allow connection of the proposed Ridge Road Detention project when grant funded.

ATTACHMENT C

SUPPLEMENT TO THE 2020 STORMWATER FUND BUDGET

POTENTIAL GRANT FUNDED STORMWATER PROJECTS

The following information has not been included on the 2020 Stormwater Fund Budget due to the speculative nature of receiving grants. These projects will not be undertaken unless DTMA is awarded grant funding. If grant funding is received, the DTMA share will be taken out of the Stormwater Operating account or from other sources as available.

GRANT PROJECT DESCRIPTIONS

- C1. Derry Township Parks Water Quality Improvements #2 – Construction of improvements designed with the grant-funded Derry Township Parks Water Quality Improvements #1 project.
- C2. Oakmont Community Basin Retrofits #2 – Construction of improvements designed with the grant-funded Oakmont Community Basin Retrofits #1 project.
- C3. Ridge Road Detention – Construction underground detention along alleyways contributory to Ridge Road.
- C4. Pollution Reduction Projects – Construction – Complete additional work related to MS4 pollution reduction projects.
- C5. Keiffer Road – Improve stormwater conditions at the intersection of Keiffer and Peffley Roads.

TABLE C1				
POTENTIAL 2020 GRANT PROJECTS				
No.	2020 GRANT PROJECTS	PROJECT COSTS	DTMA SHARE	2020 GRANT
C1	Derry Township Parks WQ Improvements #2**^	575,000	75,000	500,000
C2	Oakmont Community Basin Retrofits #2^	575,000	75,000	500,000
C3	Ridge Road Detention^	575,000	150,000	425,000
C4	PRP Projects - Construction^	575,000	75,000	500,000
C5	Keiffer Road^^	250,000	-	250,000
TOTAL 2020 GRANT PROJECTS		2,550,000	375,000	2,175,000
NOTES:				
** Derry Township Parks WQ Improvements #1 underway (fully grant funded)				
^ 15% Match Required				
^^ Dirt, Gravel, and Low Volume Road Program				