

# Derry Township Municipal Authority

## 2023 Stormwater Fund Budget

**ADOPTED**

**DTMA Board Resolution #2022-66**

**December 19, 2022**



[This Page Intentionally Left Blank]

**TABLE 1**  
**OPERATING FUND**  
**Comparative Cash Budget (in thousands)**

Category / Item	2023	2022	Δ\$	Δ%
<b>Receipts</b>				
Direct Customers	1,650.0	1,600.0	50.0	3.1%
Penalties	5.0	5.0	0.0	0.0%
Interest-Operating Fund	0.0	0.0	0.0	~
Income-Investment Fund	21.6	0.4	21.2	5305.0%
Interest-Trust and Restricted Funds	85.4	0.0	85.4	~
<b>Totals before Transfers</b>	<b>1,762.0</b>	<b>1,605.4</b>	<b>71.2</b>	<b>4.4%</b>
Federal and State Grants	103.0	0.0	103.0	~
Capital Contributions	213.9	427.9	(214.0)	(50.0%)
<b>Totals</b>	<b>2,078.9</b>	<b>2,033.3</b>	<b>(39.8)</b>	<b>(2.0%)</b>
<b>Disbursements</b>				
Departmental Expenditures				
Administration	707.0	509.5	197.5	38.8%
Collection System	430.5	346.8	83.7	24.1%
Debt Service Payments	246.1	50.6	195.5	386.5%
Net Cost Share Agreement	50.0	50.0	0.0	0.0%
<b>Total Before Capital Expenditures</b>	<b>1,433.6</b>	<b>956.9</b>	<b>476.7</b>	<b>49.8%</b>
Capital Expenditures (Table 2)	6,074.6	4,499.0	1,575.6	35.0%
<b>Total Disbursements</b>	<b>7,508.2</b>	<b>5,455.9</b>	<b>2,052.3</b>	<b>37.6%</b>
<b>Net Cash</b>				
Increase (Decrease) before transfers/grants/capital expenditures	328.4	648.5	(320.1)	(49.4%)
Total Increase (Decrease)	(5,429.3)	(3,422.6)	(2,092.1)	61.1%
<b>Beginning Cash Balance</b>	<b>3,159.0</b>			
<b>Less Decrease</b>	<b>(3,129.3)</b>			
<b>Ending Cash Balance</b>	<b>29.7</b>			
<b>Beginning DCIB Note Balance</b>	<b>3,203.7</b>			
<b>Less Decrease</b>	<b>(2,300.0)</b>			
<b>Ending DCIB Note Balance</b>	<b>903.7</b>			

**TABLE 2  
PROJECTS & CAPITAL EXPENDITURES**

**OPERATING FUND**

No.	PROJECT NAME	TOTAL COST	PAID Thru 12/31/2022	2023	2024	FUNDING SOURCE
1.	Ridge Road Improvements	4,669,000	101,000	2,300,000	2,268,000	DCIB-22A
2.	Stoverdale Road and Shopes Church Road	775,000	21,700	75,000	678,300	OFC
3.	Oakmont Basin Retrofit and Forest Ave BMP	872,700	12,700	860,000	-	OFE
4.	Bullfrog Valley & Deer Run Stream Restorations *	2,568,600	356,900	2,211,700	-	OFE
5.	Maintenance Building Expansion **	868,500	37,100	379,300	452,100	OFC
6.	Shank Park Entrance Culvert Replacement	85,000	11,400	73,600	-	OFC
7.	Bullfrog Valley Pond Improvements and Wood Road Culvert Modification	1,250,000	-	150,000	1,100,000	OFC
8.	Clark Road and Stonecutter Circle Drainage Improvements	278,300	15,600	25,000	237,700	OFC
<b>TOTAL PROJECTS &amp; CAPITAL EXPENDITURES</b>		<b>11,367,100</b>	<b>556,400</b>	<b>6,074,600</b>	<b>4,736,100</b>	

**NOTES:**

\* Hummelstown MOU

\*\* 60/40 Cost share with Wastewater/Stormwater

OFC Operating Fund - Capital

OFE Operating Fund - Expense

DCIB-22A Dauphin County Infrastructure Bank

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

Description	Stormwater Operating Investment Fund
<b>Balances</b>	
as of January 1, 2023	3,159.0
<b>Add:</b>	
Receipts	1,740.4
Interest Earnings	21.6
Federal and State Grants	103.0
Capital Contributions	213.9
<b>Deduct:</b>	
Operating Expenses	1,137.5
Debt Service	246.1
Net Cost Share Agreement	50.0
Capital Expenditures	3,774.6
<b>Balances</b>	
as of December 31, 2023	29.7
<b>Change in Fund</b>	
<b>Increase (Decrease)</b>	<b>(3,129.3)</b>

**ATTACHMENT A**  
**FY 2022 REVIEW SUMMARY**

**Statement of Revenues and Expenses**  
**Budget and Year-to-Date Comparison**

For the period from January 1, 2022 to November 30, 2022

(displayed in \$1,000s)

	2022 YTD	Budget YTD	Increase (Decrease)	% Δ	2022 Budget
<b>OPERATING REVENUES</b>					
Stormwater Service:					
Direct Customers	1,520.3	1,458.1	62.2	4.3%	1,620.5
Penalties	6.5	4.7	1.8	37.6%	3.3
Total Operating Revenue	<b>1,526.7</b>	<b>1,462.8</b>	<b>63.9</b>	<b>41.8%</b>	<b>1,623.8</b>
<b>OPERATING EXPENSES</b>					
Administrative (including payroll taxes & benefits)	381.8	487.1	(105.3)	(21.6%)	414.5
Collection Systems	179.2	313.9	(134.7)	(42.9%)	324.2
Projects & Miscellaneous	472.7	0.0	472.7	-	0.0
Total Operating Expense	<b>1,033.6</b>	<b>801.0</b>	<b>232.6</b>	<b>(64.5%)</b>	<b>738.7</b>
<b>Net Income (Loss)</b>					
Operating Income Before D & A	493.1	661.8	(168.7)	(25.5%)	885.1
Depreciation and Amortization	211.0	209.4	1.6	0.8%	223.3
Total Operating Income / (Loss)	<b>282.1</b>	<b>452.4</b>	<b>(170.3)</b>	<b>(24.7%)</b>	<b>661.8</b>
<b>Nonoperating Revenue</b>					
Investment income	34.5	0.3	34.2	11387.9%	2.4
Other Nonoperating Revenue	0.0	0.0	0.0	-	0.0
Total Nonoperating Revenue	<b>34.5</b>	<b>0.3</b>	<b>34.2</b>	<b>11387.9%</b>	<b>2.4</b>
<b>Nonoperating Expense</b>					
Interest Expense	50.3	44.9	5.4	12.1%	53.6
Debt Issuance Costs	47.7	0.0	47.7	-	0.0
Total Non-operating Expense	<b>98.0</b>	<b>44.9</b>	<b>53.1</b>	<b>118.3%</b>	<b>0.0</b>
<b>Increase (Decrease) in Net Position</b>					
Income Before Capital Contributions	218.5	407.8	(189.3)	(46.4%)	664.2
Plus: Capital Contributions	214.0	427.9	(213.9)	(50.0%)	0.0
Less: Net Cost Sharing Agreements	0.0	50.0	(50.0)	(100.0%)	103.0
Increase (Decrease) in Net Position	<b>432.5</b>	<b>785.7</b>	<b>(353.2)</b>	<b>(196.4%)</b>	<b>767.2</b>

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

Category / Item	2023 Budget	2022 Budget	Difference Amount	Difference %
<b>Operating Revenue</b>				
Direct Customers	1,650.0	1,600.0	50.0	3.1%
Penalties	5.0	5.0	0.0	0.0%
Operating Revenue	1,655.0	1,605.0	50.0	3.1%
<b>Operating Expenses</b>				
Administration	707.0	509.5	197.5	38.8%
Collection System	430.5	346.8	83.7	24.1%
Projects & Miscellaneous	3,071.7	0.0	3,071.7	~
Operating Expenses	4,209.2	856.3	3,352.9	391.6%
<b>Net Income (Loss)</b>				
Earnings before Depreciation & Amortization	(2,554.2)	748.7	(3,302.9)	(441.2%)
Less: Depreciation and Amortization	274.7	229.1	45.6	19.9%
Net Income	(2,828.9)	519.6	(3,348.5)	(644.4%)
<b>Nonoperating Revenue</b>				
Interest Income	98.4	0.4	98.0	24505.0%
<b>Nonoperating Expense</b>				
Interest on Debt	109.1	48.9	60.2	123.1%
Cost-Sharing Agreement Expense	100.0	100.0	0.0	0.0%
Debt Issuance Costs	0.0	0.0	0.0	~
Nonoperating Expense	209.1	148.9	60.2	40.4%
<b>Increase (Decrease) in Net Position</b>				
Income before Capital Contributions	(2,939.6)	371.1	(3,310.7)	(892.1%)
<b>Contributions and Grants</b>				
Grant Receipts and Contributions	366.9	477.9	(111.0)	(23.2%)
<b>Increase (Decrease) in Net Position</b>				
<b>Change in Net Position</b>	<b>(2,572.7)</b>	<b>849.0</b>	<b>(3,421.7)</b>	<b>(403.0%)</b>

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

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

**DCIB SERIES 2022 NOTE A FUNDS [DCIB-22A]**

1. Ridge Road Improvements [IN PROGRESS] – Design and construction of the upgrade and re-alignment of the existing storm sewer infrastructure along Ridge Road starting from the intersection of West Caracas Avenue and Ridge Road, traveling north across the intersection of West Chocolate Avenue and Ridge Road, through the railroad underpass, and to a new outfall location at Spring Creek on the Hershey Entertainment & Resorts property. Once completed, this project will significantly improve storm drainage and eliminate flooding at the intersection of West Chocolate Ave and Ridge Road as well as the Railroad underpass to the benefit of our residents and tourists. Design and permitting is anticipated to be complete by Fall 2023 with construction to follow in late Fall 2023.

**STORMWATER OPERATING FUND [OF]**

2. Stoverdale Road and Shopes Church Road [IN PROGRESS] – Final design of the storm sewers, outlets, and headwall structure improvements along and across Stoverdale Road and Shopes Church Road. Design is anticipated to be complete in 2023.
3. Oakmont Basin Retrofit and Forest Avenue Swale BMP – Medical Center Swale Improvements [IN PROGRESS] – Project includes the modifications to existing stormwater basins in the Oakmont Community as well as upgrades to an existing stormwater swale and receiving basins located along Forest Avenue. Project is currently in construction phase and is anticipated to be complete in Spring 2023.
4. Bullfrog Valley & Deer Run Stream Restoration [IN PROGRESS] – Construction of improvements to the Bullfrog Valley & Deer Run Stream via stream bank and channel regrading and stabilization with natural features to meet the requirements of the MS4 pollution reduction plan (PRP). Project is currently in construction phase and is anticipated to be complete by Spring 2023.
5. Maintenance Building Expansion [IN PROGRESS] – Since the Stormwater Program was established in 2017, the number of staff in the Collection Systems Department has grown, as well as the vehicle fleet, in order to service both wastewater and storm water systems. In the next several years, we anticipate the need to hire additional staff in this Department with the expansion of our sanitary sewer service area into Londonderry Township. The current office space for the Collections Systems Department in the Admin & Control Building is very limited and will not provide functional working space into the future. Additionally, the current Maintenance Garage is at full capacity for storing our most valuable vehicles such as the two (2) Vactor truck and the two (2) Televisual inspection trucks. The proposed Maintenance Building Expansion project includes the addition of an open two (2) bay addition with a second floor office space to the existing Maintenance Garage. The second floor will extend over the existing taller two (2) bay section of the garage. Project design is anticipated to be complete in 2023 with construction activities to begin in late 2023.
6. Shank Park Entrance Culvert Replacement [IN PROGRESS] – Project includes the replacement of the existing deteriorated culvert under the access drive serving Shank Park. It is anticipated that the project will be complete in 2023.



7. Bullfrog Valley Pond Improvements and Wood Road Culvert Modifications – Project includes drainage improvements at the Bullfrog Valley Pond to include re-routing of significant wet weather stream flows around the pond and into the stream channel beneath Wood Road. The project also includes the improvements to the Wood Road culvert to eliminate nearby road flooding. Design is anticipated to be complete in 2023.
8. Clark Road and Stonecutter Circle Drainage Improvements [IN PROGRESS] – Project includes the upgrade and re-routing of stormwater infrastructure between Clark Road and Highland Road as well as improvements to a swale and stormwater outfall adjacent to Stonecutter Circle. Design is anticipated to be complete in 2023.

[This Page Intentionally Left Blank]