

# Derry Township Municipal Authority

## 2024 Stormwater Fund Budget

**ADOPTED**

**DTMA Board Resolution #2023-57**

**December 18, 2023**



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

Category / Item	2024	2023	Δ\$	Δ%
<b>Receipts</b>				
Direct Customers	2,280.0	1,650.0	630.0	38.2%
Penalties	10.3	5.0	5.3	106.0%
Misc Operating Revenue	0.0	0.0	0.0	~
Income-Operating / Investment Fund	56.6	21.6	35.0	162.0%
Interest-Trust and Restricted Funds	279.4	85.4	194.0	227.2%
Misc Non-Operating Revenue	0.0	0.0	0.0	~
<b>Totals before Transfers</b>	<b>2,626.3</b>	<b>1,762.0</b>	<b>670.3</b>	<b>38.0%</b>
Federal and State Grants	15.0	103.0	(88.0)	(85.4%)
Capital Contributions	0.0	213.9	(213.9)	(100.0%)
<b>Totals</b>	<b>2,641.3</b>	<b>2,078.9</b>	<b>368.4</b>	<b>17.7%</b>
<b>Disbursements</b>				
Departmental Expenditures				
Administration	768.4	707.0	61.4	8.7%
Collection System	297.9	430.5	(132.6)	(30.8%)
Debt Service Payments	478.3	246.1	232.2	94.3%
Net Cost Share Agreement	0.0	50.0	(50.0)	(100.0%)
<b>Total Before Capital Expenditures</b>	<b>1,544.6</b>	<b>1,433.6</b>	<b>111.0</b>	<b>7.7%</b>
Operating Capital Expenditures (Table 2)	2,023.9	6,074.6	(4,050.7)	(66.7%)
<b>Total Disbursements</b>	<b>3,568.5</b>	<b>7,508.2</b>	<b>(3,939.7)</b>	<b>(52.5%)</b>
<b>Net Cash</b>				
Increase (Decrease) before transfers/grants/capital expenditures	1,081.7	328.4	753.3	229.4%
Total Increase (Decrease)	(927.2)	(5,429.3)	4,308.1	(79.3%)
<b>Beginning Cash Balance</b>	<b>1,339.8</b>			
<b>Less Decrease</b>	<b>(927.2)</b>			
<b>Ending Cash Balance</b>	<b>412.6</b>			

**TABLE 2  
PROJECTS & CAPITAL EXPENDITURES**

<b>DCIB FUNDS</b>						
No.	PROJECT NAME	TOTAL COST	PAID Thru 12/31/2023	2024	2025+	FUNDING SOURCE
1.	Ridge Road Drainage Improvements	6,597,800	429,900	3,114,400	3,053,500	DCIB
<b>TOTAL DCIB FUNDS CAPITAL EXPENDITURES</b>		<b>6,597,800</b>	<b>429,900</b>	<b>3,114,400</b>	<b>3,053,500</b>	
<b>OPERATING FUND</b>						
2.	Stoverdale Road and Shopes Church Road	410,800	32,400	363,400	15,000	OFC
3.	Oakmont Basin Retrofit and Forest Ave BMP	1,092,800	469,400	623,400	-	OFE
4.	Maintenance Building Expansion *	1,119,700	59,700	76,700	983,300	OFC
5.	Shank Park Entrance Culvert Replacement	126,000	17,600	108,400	-	OFC
6.	Stonecutter Circle Drainage Improvements	436,800	-	436,800	-	OFE
7.	Cambridge Commons Stormwater Facility Improvements	950,000	-	120,000	830,000	OFE
8.	2024 Stormwater Infrastructure Rehabilitation	270,000	-	270,000	-	OFC & OFE
9.	2024 IT Projects **	25,200	-	25,200	-	OFC & OFE
<b>TOTAL OPERATING FUND PROJECTS &amp; CAPITAL EXPENDITURES</b>		<b>4,431,300</b>	<b>579,100</b>	<b>2,023,900</b>	<b>1,828,300</b>	
<b>TOTAL PROJECTS &amp; CAPITAL EXPENDITURES</b>		<b>11,029,100</b>	<b>1,009,000</b>	<b>5,138,300</b>	<b>4,881,800</b>	

**NOTES:**

\* 60/40 Cost share with Wastewater/Stormwater

\*\* 80/20 Cost share with Wastewater/Stormwater

OFC Operating Fund - Capital

OFE Operating Fund - Expense

DCIB Dauphin County Infrastructure Bank Notes

**TABLE 3  
STORMWATER FUNDS SUMMARY  
Projected Changes in Operating, Restricted and Trust Fund Balances**

Description	Balance as of Jan 1, 2024	Addition of Funds	Distribution of Funds	Balance as of Dec 31 2024	Fund Increase / (Decrease)
<b>Operating Fund</b>					
Checking and Investments	1,339,800	2,641,300	3,568,500	412,600	<b>(927,200)</b>
<b>Trust &amp; Restricted Funds</b>					
DCIB Note Series A of 2022	3,077,500	114,000	2,977,900	213,600	(2,863,900)
DCIB Note Series of 2023	3,275,100	165,400	443,500	2,997,000	(278,100)
<b>Total Trust &amp; Restricted Funds</b>	<b>6,352,600</b>	<b>279,400</b>	<b>3,421,400</b>	<b>3,210,600</b>	<b>(3,142,000)</b>

**ATTACHMENT A**  
**FY 2023 REVIEW SUMMARY**  
**Statement of Revenues and Expenses**  
**Budget and Year-to-Date Comparison**  
**For the period from January 1, 2023 to November 30, 2023**  
 (displayed in \$1,000s)

	2023 YTD	Budget YTD	Increase (Decrease)	% Δ	2023 Budget
<b>OPERATING REVENUES</b>					
Stormwater Service:					
Direct Customers	1,520.1	1,513.1	7.0	0.5%	1,650.0
Penalties	7.1	4.4	2.7	61.2%	5.0
Other Operating Revenue	19.5	0.0	19.5	-	0.0
Total Operating Revenue	<b>1,546.7</b>	<b>1,517.5</b>	<b>29.2</b>	<b>61.7%</b>	<b>1,655.0</b>
<b>OPERATING EXPENSES</b>					
Administrative (including payroll taxes & benefits)	515.5	629.9	(114.4)	(18.2%)	707.0
Collection Systems	198.4	378.5	(180.1)	(47.6%)	430.5
Projects & Miscellaneous	2,178.2	2,816.0	(637.8)	(22.6%)	3,071.7
Total Operating Expense	<b>2,892.1</b>	<b>3,824.4</b>	<b>(932.3)</b>	<b>(65.7%)</b>	<b>4,209.2</b>
<b>Net Income (Loss)</b>					
Operating Income Before D & A	(1,345.4)	(2,306.9)	961.5	(41.7%)	(2,554.2)
Depreciation and Amortization	220.0	251.8	(31.8)	(12.6%)	274.7
Total Operating Income / (Loss)	<b>(1,565.3)</b>	<b>(2,558.7)</b>	<b>993.4</b>	<b>(54.3%)</b>	<b>(2,828.9)</b>
<b>Nonoperating Revenue</b>					
Investment income	245.6	90.2	155.4	172.3%	98.4
Federal and State Grants	103.0	94.6	8.4	8.9%	103.0
Other Nonoperating Revenue	0.0	0.0	0.0	-	0.0
Total Nonoperating Revenue	<b>348.6</b>	<b>184.8</b>	<b>163.8</b>	<b>88.6%</b>	<b>201.4</b>
<b>Nonoperating Expense</b>					
Interest Expense	99.9	100.1	(0.2)	(0.2%)	109.1
Debt Issuance Costs	6.0	0.0	6.0	-	0.0
Total Non-operating Expense	<b>105.9</b>	<b>100.1</b>	<b>5.8</b>	<b>5.8%</b>	<b>109.1</b>
<b>Increase (Decrease) in Net Position</b>					
Income Before Capital Contributions	(1,322.6)	(2,474.0)	1,151.4	(46.5%)	(2,736.6)
Plus: Capital Contributions	214.0	213.9	0.1	0.0%	213.9
Less: Net Cost Sharing Agreements	0.0	50.0	(50.0)	(100.0%)	(50.0)
Increase (Decrease) in Net Position	<b>(1,108.7)</b>	<b>(2,310.1)</b>	<b>1,201.4</b>	<b>(146.5%)</b>	<b>(2,572.7)</b>

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

Category / Item	2024 Budget	2023 Budget	Difference Amount	Difference %
<b>Operating Revenue</b>				
Direct Customers	2,280.0	1,650.0	630.0	38.2%
Penalties	10.3	5.0	5.3	106.0%
Other Operating Revenue	0.0	0.0	0.0	~
Operating Revenue	2,290.3	1,655.0	635.3	38.4%
<b>Operating Expenses</b>				
Administration	768.4	707.0	61.4	8.7%
Collection System	297.9	430.5	(132.6)	(30.8%)
Projects & Miscellaneous	1,321.2	3,071.7	(1,750.5)	~
Operating Expenses	2,387.5	4,209.2	(1,821.7)	(43.3%)
<b>Net Income (Loss)</b>				
Earnings before Depreciation & Amortization	(97.2)	(2,554.2)	2,457.0	(96.2%)
Less: Depreciation and Amortization	241.0	274.7	(33.7)	(12.3%)
Net Income	(338.2)	(2,828.9)	2,490.7	(88.0%)
<b>Nonoperating Revenue</b>				
Interest Income	336.0	98.4	237.6	241.5%
Federal and State Grants	15.0	103.0	(88.0)	(85.4%)
Nonoperating Revenue	351.0	201.4	149.6	74.3%
<b>Nonoperating Expense</b>				
Interest on Debt	208.2	109.1	99.1	90.8%
Cost-Sharing Agreement Expense	0.0	100.0	(100.0)	(100.0%)
Debt Issuance Costs	0.0	0.0	0.0	~
Nonoperating Expense	208.2	209.1	(0.9)	(0.4%)
<b>Increase (Decrease) in Net Position</b>				
Income before Capital Contributions	(195.4)	(2,836.6)	2,641.2	(93.1%)
<b>Capital Contributions</b>				
Capital Contributions	0.0	263.9	(263.9)	(100.0%)
<b>Increase (Decrease) in Net Position</b>				
<b>Change in Net Position</b>	<b>(195.4)</b>	<b>(2,572.7)</b>	<b>2,377.3</b>	<b>(92.4%)</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 2022A and 2023 NOTE FUNDS [DCIB]**

1. Ridge Road Drainage Improvements [IN PROGRESS] – The project includes the design, permitting 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, beneath the Norfolk Southern Railway, and to a new outfall location at Spring Creek on the Hershey Entertainment & Resorts property. Once completed, this project will significantly improve stormwater drainage and eliminate flooding at the intersection of West Chocolate Avenue and Ridge Road and at the Norfolk Southern Railway underpass, all to the benefit of Township residents and tourists. Design and permit receipt will be completed in early 2024, with construction commencing in spring 2024.

**STORMWATER OPERATING FUND [OF]**

2. Stoverdale Road and Shopes Church Road [IN PROGRESS] – The project includes the design and construction of improvements to and replacements of storm sewers/culverts, outlets, and headwall structures along and across Stoverdale Road and Shopes Church Road. Design is anticipated to be completed in early 2024, with project construction later in 2024.
3. Oakmont Basin Retrofit and Forest Avenue Swale BMP [IN PROGRESS] – Project construction is underway and 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 on the Penn State Medical Center property. It is anticipated that the project will be completed in the spring of 2024.
4. Maintenance Building Expansion (40% Cost Share) [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. Design is anticipated to be complete in 2024 with project bidding to occur in late 2024.
5. Shank Park Entrance Culvert Replacement [IN PROGRESS] – The project includes the replacement of an existing deteriorated stream culvert under the access drive to Shank Park. Project construction is underway, with an anticipated completion in early 2024.
6. Stonecutter Circle Drainage Improvements [IN PROGRESS] – The project involves the design and construction of improvements to a swale and stormwater outfall adjacent to Stonecutter



Circle. It also includes restoration of a deteriorating embankment behind 1429 and 1439 Stonecutter Circle. Design is anticipated to be completed in early 2024, with bidding and construction to commence thereafter in 2024.

7. Cambridge Commons Stormwater Facility Improvements [IN PROGRESS] – This project involves the investigation of potential solutions to mitigate localized flooding in several locations within the Cambridge Commons residential development and the eventual design and construction of the most feasible and effective solution. Preliminary investigations are currently underway. More advanced design is anticipated in 2024, with construction of the improvements expected to commence in 2025.
8. 2024 Stormwater Infrastructure Rehabilitation – This project shall include multiple short duration, small scale improvements to stormwater management infrastructure throughout the Township, such as the replacement of deteriorated storm sewers and culverts, swale improvements, sinkhole repairs, inlet replacements, etc. These projects will be managed through the 2023 IDIQ Sewer Repairs contract currently in place. Some of these project sites have already been identified and their scope preliminarily determined. Other project sites may become evident as 2024 progresses.
9. IT Projects (20% Cost Share)
  - a. Administrative “Side” Server Infrastructure Replacement – The current physical servers are seven years old, out of warranty, and not currently supported by the manufacturer. The new server will have a 5-year support warranty and allow for data expansion as needed into the future.
  - b. Firewall Replacement – The current firewall was at EOL (end of life) in August 2022, and the security update services are unable to be renewed or supported by the manufacturer. The new firewall will include a next-day replacement service warranty and can handle faster data speeds for improved network infrastructure capabilities.
  - c. CUES GraniteNet Mobile Device Solution – Staff currently utilizes the CUES GraniteNet software in the two (2) closed-circuit televisual (CCTV) trucks for the purpose of sanitary sewer and storm sewer mainline inspection and condition assessment. The new software platform will allow Staff to access real-time system mapping, inspection data, and assigned tasks in the field with a mobile device.

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