

Public Works and Water Resources 2024 Budget Presentation

September 11, 2023

Introduction – PWWR

- ▶ Director – Tim Filasky, PE
- ▶ Deputy Director – Ethan Robinson
- ▶ Field Operations Superintendent – Jason Winterling, PE
- ▶ Water Operations Superintendent – Mark Neimeister
- ▶ Planning and Design Engineer – Stefan Rukowicz, PE (New Hire 2023)

- ▶ Support Staff – Administrative Assistants
 - ▶ Andrea Coyle-Sistek
 - ▶ Juli Schultz (New FT Hire 2023)

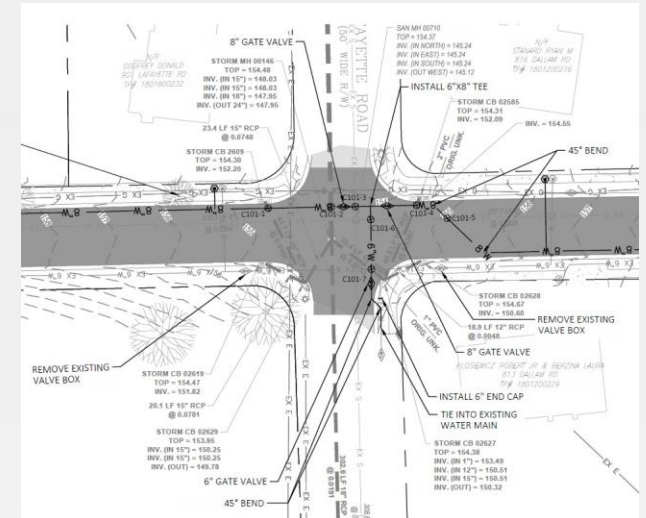
Accomplishments/Goals - Water

► Accomplishments

- Plans and Specs for next Water Main Rehabilitation Contract. Expect bids by October 2023. ARPA discussion.
- Plans and Specs for SWF PFAS. Awarded bid with pre con set for early Sept. Expected completion in early 2024.
- Evergreen Booster Station underway.
- Determined that Laird Tract project is viable, moving forward with design.

► Goals

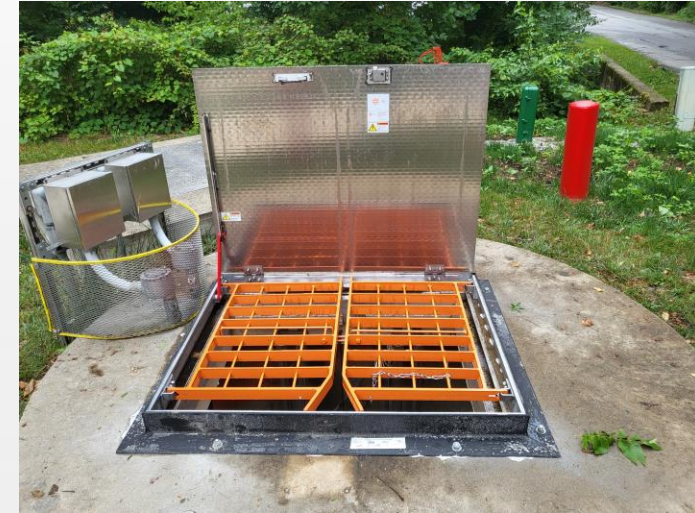
- Spend all of ARPA funding on Water Main.
- Laird Tract completion.



Accomplishments/Goals - Sewer

► Accomplishments

- Installed Safety Grates on sewer wet wells, increasing worker safety while working around these facilities.
- Completed the inspection and lining of another 10,000+ linear feet of degraded sewer line, increasing the life span by a minimum of 50 years. Since 2011, we have inspected more than 20% of the sewer system, addressing deficiencies with each project.



► Goals

- Ongoing optimization of sewer pump stations.
- Continue to evaluate the system through CCTV and address Inflow and Infiltration.
- NCC Sewer Billing negotiations.

Accomplishments/Goals - Stormwater

► Accomplishments

- Completed the Rehabilitation of two major Corrugated Metal Pipe (CMP) Storm Sewers
 - Edjil Drive Culvert was lined ahead of a major floodplain and trail project at New Castle County's Robscott Park
 - Fremont Road Culvert was replaced, and road section repaired. Project was timed to avoid closures during the summer pool season at Fairfield Crest Swim Club.

► Goals

- Once again, we expect to have our new NPDES Permit in hand in late 2023, which will require significant work with a consultant to meet tight deadlines that were included in draft permits. We have submitted comments asking for relief from those deadlines but are planning for the reduced timeframes.



Accomplishments/Goals - Refuse

► Accomplishments

- Scheduled over 6,300 Bulk Collection stops and collected nearly 300 tons of items too big for regular collection. Similar to recent years, **more than 80% are scheduled at properties without a rental permit.**
- Took delivery of One (1) 30 Yard Dumpsters to assist with large item collection, UDon't Need It? Student Move Out, Neighborhood Cleanups, etc. We now have Three (3) dumpsters which will pay for themselves over the course of 3 years of continued use at the UDNI program alone.



► Goals

- Implement a pilot program for contractual dumpster services for residents of Newark. (Revenue)
- Increase recycling diversion rates with clean recycling. Our current contract with DSWA provides for free recycling disposal. Recycling properly and in greater quantities keep the items from the landfill while saving the City money in disposal fees.

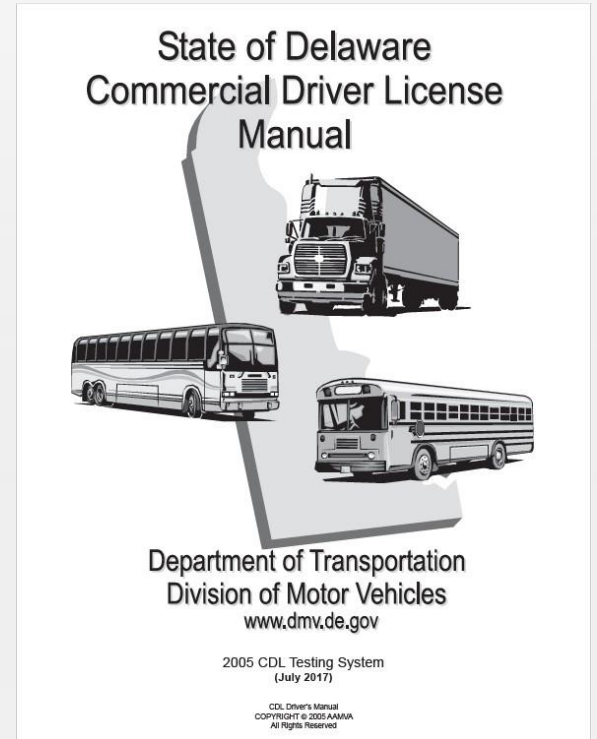
Accomplishments/Goals - Streets

► Accomplishments

- Completed paving and rehabilitation of streets and curbs in 12 segments of street throughout the City.
- Replaced 34 curb ramps for ADA Accessibility in various locations around the City.
- Completed mandatory training program for new Commercial Driver's License (CDL) applicants per new federal motor carrier rules for approximately 10 new employees.

► Goals

- Staff development.



Accomplishments/Goals - Engineering

▶ Accomplishments

- ▶ Hired a new Planning and Design Engineer, Stefan Rukowicz
- ▶ Continued coordination with other agencies. DelDOT, Delmarva, AT&T, etc. (Highlight several projects)
- ▶ Discussion of PWWR development coordination
- ▶ 2023 plan review data Sept. 1, 2022-Sept. 1, 2023 (Change from previous year):
 - ▶ Lines and Grades Plan Reviews: 56 (+24, ↑ 75%)
 - ▶ Construction Improvement Plan (CIP) Reviews: 19 (+11, ↑ 137.5%)
 - ▶ Subdivision Reviews: 17 (+0, 0%)
 - ▶ Average Days in Queue = 26 (-8, ↓ 23%)

▶ Goals

- ▶ Maintain or decrease plan review timelines
- ▶ Revise City Standards and Specifications for Utility and Road Construction

Accomplishments/Goals - Fleet

► Accomplishments

- Continued to provide excellent service while experiencing major staffing issues.
- Accomplishment 2

► Goals

- Reorganize Fleet Maintenance Division by adding a true Fleet Maintenance Manager to provide better service to all operating departments. This new FTE will allow us to maintain Four (4) working mechanics able to keep our fleet running as efficiently as possible with someone able to manage workload and progress as well as triage of emergencies from our police force and essential utilities.
- Transition our staff with the known retirement of both Senior Mechanics.
- Work with vendors and suppliers to better schedule new vehicle deliveries and provide realistic timelines.



PWWR Budget Overview

					*as amended	**as proposed		
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
DIVISION SUMMARY:	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET *	FROM 2023 BUDGET	FROM 2023 BUDGET
Refuse	\$ 2,122,270	\$ 2,463,619	\$ 2,333,215	\$ 2,310,184	\$ 2,443,293	\$ 2,475,196	\$ 31,903	1.3%
Street	\$ 1,262,378	\$ 1,444,618	\$ 1,625,608	\$ 1,602,499	\$ 1,908,158	\$ 1,971,092	\$ 62,934	3.3%
Engineering	\$ 1,021,728	\$ 1,095,566	\$ 1,024,505	\$ 1,071,977	\$ 1,148,434	\$ 1,197,927	\$ 49,493	4.3%
Water	\$ 6,645,196	\$ 5,531,394	\$ 6,126,083	\$ 7,002,485	\$ 6,465,610	\$ 7,115,927	\$ 650,317	10.1%
Sewer	\$ 6,425,459	\$ 5,880,902	\$ 5,708,179	\$ 6,063,640	\$ 6,811,053	\$ 7,100,818	\$ 289,765	4.3%
Stormwater	\$ 1,151,985	\$ 1,591,586	\$ 940,973	\$ 1,435,763	\$ 2,034,750	\$ 2,256,626	\$ 221,876	10.9%
Fleet Maintenance	\$ 1,477,040	\$ 1,550,499	\$ 1,620,617	\$ 1,925,857	\$ 1,848,106	\$ 1,944,692	\$ 96,586	5.2%
Total PWWR:	\$ 20,106,056	\$ 19,558,184	\$ 19,379,180	\$ 21,412,405	\$ 22,659,404	\$ 24,062,278	\$ 1,402,874	6.2%

PWWR Budget Overview – By Object Level

					*as amended	**as proposed		
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
SUMMARY (BY OBJECT LEVEL):	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET *	FROM 2023 BUDGET	FROM 2023 BUDGET
Personnel Services	6,543,346	7,096,044	5,781,800	6,984,536	7,483,888	7,885,060	401,172	5%
Utility Purchases	5,350,831	4,695,293	4,977,881	5,022,689	5,200,000	5,400,000	200,000	4%
Materials and Supplies	1,185,910	931,770	1,164,181	1,502,056	1,525,600	1,589,747	64,147	4%
Contractual Services	2,795,487	2,913,160	3,126,480	3,439,479	3,868,282	4,150,615	282,333	7%
Equipment Depreciation	461,199	462,574	484,927	434,695	488,480	497,006	8,526	2%
Other Expenditures	78,469	63,810	157,694	250,311	91,827	109,953	18,126	20%
Inter-Dept. Charges	1,952,707	1,633,950	1,695,482	1,675,553	2,135,021	2,229,286	94,265	4%
Debt Service - Principal	1,525,053	1,578,456	1,661,373	1,731,000	606,213	1,053,518	447,305	74%
Debt Service - Interest	213,054	183,127	329,362	372,086	1,260,093	1,147,093	(113,000)	-9%
Total	\$ 20,106,056	\$ 19,558,184	\$ 19,379,180	\$ 21,412,405	\$ 22,659,404	\$ 24,062,278	\$ 1,402,874	6.2%

PWWR Budget Overview – Estimated Revenue

					*as amended	**as proposed		
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
SUMMARY:	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET *	FROM 2023 BUDGET	FROM 2023 BUDGET
<u>GENERAL FUND</u>								
Fees for Service	39,147	19,353	18,175	19,513	25,000	28,500	3,500	14%
Other Revenue	28,882	11,061	67,165	88,510	29,500	29,500	-	0%
<u>WATER FUND</u>								
Utility Contribution	9,150,224	8,247,871	9,060,790	9,230,767	9,786,080	9,876,000	89,920	1%
Fees for Service	38,231	62,773	22,415	48,417	26,000	31,000	5,000	19%
Other Revenue	157,085	177,731	188,987	140,887	139,000	164,000	25,000	18%
<u>SEWER FUND</u>								
Utility Contribution	7,398,867	6,702,782	7,491,477	7,602,261	8,030,395	8,376,100	345,705	4%
Fees for Service	15,651	41,644	10,605	26,769	18,000	19,000	1,000	6%
Other Revenue	42,484	53,664	53,885	41,367	40,400	60,400	20,000	50%
<u>STORMWATER FUND</u>								
Utility Contribution	2,383,598	2,402,683	2,358,785	2,562,244	2,550,000	2,552,500	2,500	0%
Fees for Service	54,101	98,461	66,237	88,854	60,500	75,500	15,000	25%
Other Revenue	6,007	7,003	24,238	22,260	5,000	24,000	19,000	380%
<u>MAINTENANCE FUND</u>								
Fees for Service	2,056,895	2,344,609	2,535,549	3,088,424	3,025,618	3,312,816	287,198	9%
Other Revenue	6,109	49	-	6,750	-	-	-	0%
Intergovernmental Revenue	-	39,325	-	-	-	-	-	0%
Total	\$ 21,377,281	\$ 20,209,009	\$ 21,898,308	\$ 22,967,023	\$ 23,735,493	\$ 24,549,316	\$ 813,823	3.4%
Net Variance between Operating Expenditures and Revenue:	\$ 1,271,225	\$ 650,825	\$ 2,519,128	\$ 1,554,618	\$ 1,076,089	\$ 487,038		
**Please note, capital expenditures are not included in the above variance.								

General Budget Overview (Changes from 2023)

Operating Budget Changes (\$1.4 Million increase, 6.2%)

- Personnel Services (+\$401,172)
 - \$290,000 – New three position requests: Utility Inspector I, Maintenance I, and Fleet Maintenance Manager
 - \$111,172 – Cost of living adjustments and anticipated health care increases
- Utility Purchases (+\$200,000) - New Castle County Sewer Contract increased (\$5.2M to \$5.4M) due to anticipated increased sewer flow. Offset by revenue.
- Materials and Supplies (+\$64,147)
 - Water Treatment Plant Chemicals - up \$15,000 to \$165,000
 - Station Maintenance up \$6000 - When we lose a motor or pump in any of our pump houses, whether water or sewer, it is usually over \$30,000 to make the repair.
 - Water Meters up \$12,000– We are seeing many of our large (2"+) water meters that were installed beginning in 2013 begin to need replacement due to end of battery life. Staff has investigated replacing only part of the meter to save costs, but it is still a substantial cost to replace. These large meters are responsible for much of our usage, so accurate readings are imperative to our revenue collection. (Lines 7330 somewhat offset by meter testing Line 8330).
 - Line Maintenance budgets increased across all utility divisions by \$10,000. This is a result of increased material pricing and labor costs from our contractors. (Lines 7260 and 8260)
 - Small Tools and Equipment – Rising costs and advanced equipment, which allows us to perform our tasks more efficiently and deliver the services our residents expect, have increased this line in all departments. (7130 Lines)

General Budget Overview (Changes from 2023)

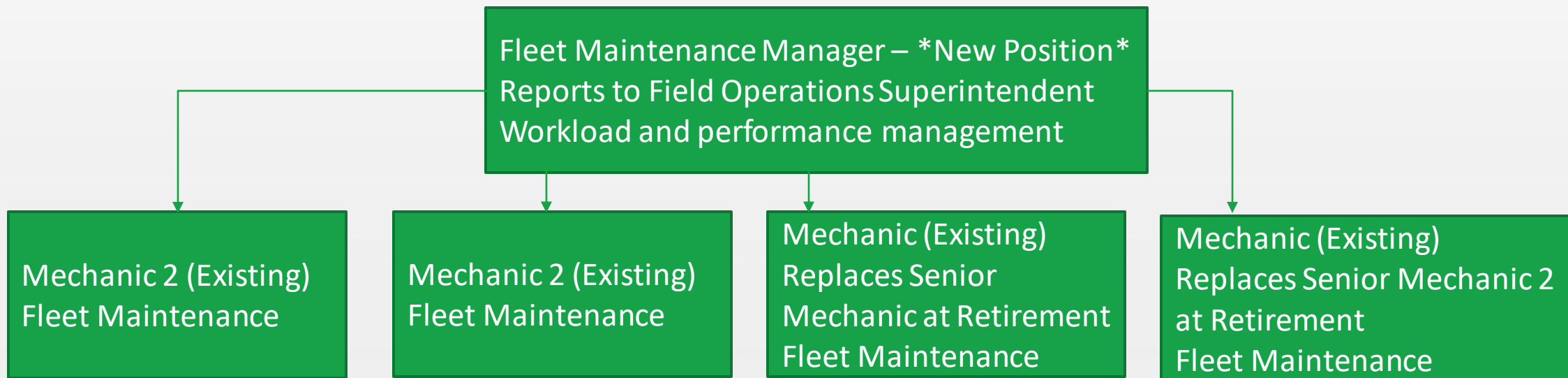
Operating Budget Changes (\$1.4 Million increase, 6.2%) - Continued

- Contractual Services (+\$282,333)
 - Increases due primarily to Fleet and Facility Services \$198,000, SCADA maintenance \$50,000, Treatment Plant Maintenance \$10,000
- Debt Service +\$334,305 (net of Principal (\$447,305) and Interest (-\$113,000))
 - Debt increase due to capital projects funded by state revolving loans and lease payments for PWWR fleet
- Other Expenses (\$18,126)
 - \$3,700 increase to Aetna Hose Hook and Ladder for free Water and Sewer Services (\$10,500)
 - \$8,750 Training and Education - 2024 increases due to a focus on training new employees and offering annual training to make sure all employees have the latest.
- Inter-Dept Charges (+\$94,265)
 - Increase from PWWR's share of utility billing, electricity usage, admin overhead, IT support

General Budget Overview (Changes from 2023) Continued

- ▶ New Position Requests
 - ▶ Fleet Maintenance Manager (+1)
 - ▶ Utility Inspector I (+1)
 - ▶ Maintenance I (+1)

Fleet Maintenance – Personnel Request Justification



This group will be better managed and more efficient with a manager/supervisor, similar to the structure prior to 2014. Performance of this group directly affects the services that all operating departments provide the residents and customers, specifically our Police Department and essential utilities. Council approved a temporary increase of the headcount in Fleet Maintenance in 2023 from 4 to 5. This request would make that headcount increase permanent.

Water Division - Personnel Request Justification

Utility Inspector 1
Reports to P&D Engineer

- ▶ Currently have One (1) Water/Wastewater Inspector to handle the following tasks:
 - ▶ Over 4700 Miss Utility Tickets completed in 12 months ending Sept. 1, 2023, which has been typical in volume from recent years
 - ▶ Inspection of all capital projects for water and sewer divisions
 - ▶ Inspection of all private water and sewer projects
 - ▶ Plan review
 - ▶ Contractor coordination for state/UD projects

Stormwater Division - Personnel Request Justification

Equipment Operator
Reports to Public Works Supervisor

- ▶ Current Staffing of Three (3) includes 2-person cleaning and inspection crew and 1 crew lead for repairs
- ▶ Borrows from other division's equipment operator to complete all repairs
- ▶ Historically utilized seasonal labor – staffing and job knowledge concerns
- ▶ Full time would help with other necessary tasks such as emergency response, snow, leaves, etc.
- ▶ Some offsetting costs through reduction of seasonal labor costs

General Budget Overview (Changes from 2023)

Capital Improvement Program Changes and Updates

- ▶ New Project Water Division W2401 – Curtis Water Treatment Plant – PFAS Treatment
 - ▶ Design to be considered in 2024 with construction in 2025. \$16 Million Estimate (\$1mm design in 2024)
- ▶ Water Division W9308 – Water Main Rehabilitation (Replacement)
 - ▶ Plans and Specifications are complete and currently out for bids. We expect to have this project in front of Council for a budget amendment to complete ARPA funded work in 2024.
- ▶ New Project Sewer Division S2401 – Silverbrook Pump Station Improvements
 - ▶ Safety and efficiency upgrades include backup generation switch to natural gas, eliminating diesel generator.
- ▶ Sewer Division S2201 – FOG Program
 - ▶ In talks with New Castle County to adopt many aspects of their program and use of their consultant to perform necessary inspections.
- ▶ Stormwater Division Q1301 – Storm Drainage Improvements
 - ▶ We have shifted the 2023-2024 focus for this project to Academy Street pipe rehabilitation.
- ▶ New Project Stormwater Division Q2401 – Skid Steer Purchase
 - ▶ Moved to 2025

PWWR Budget Overview – Capital Improvements (Refuse)

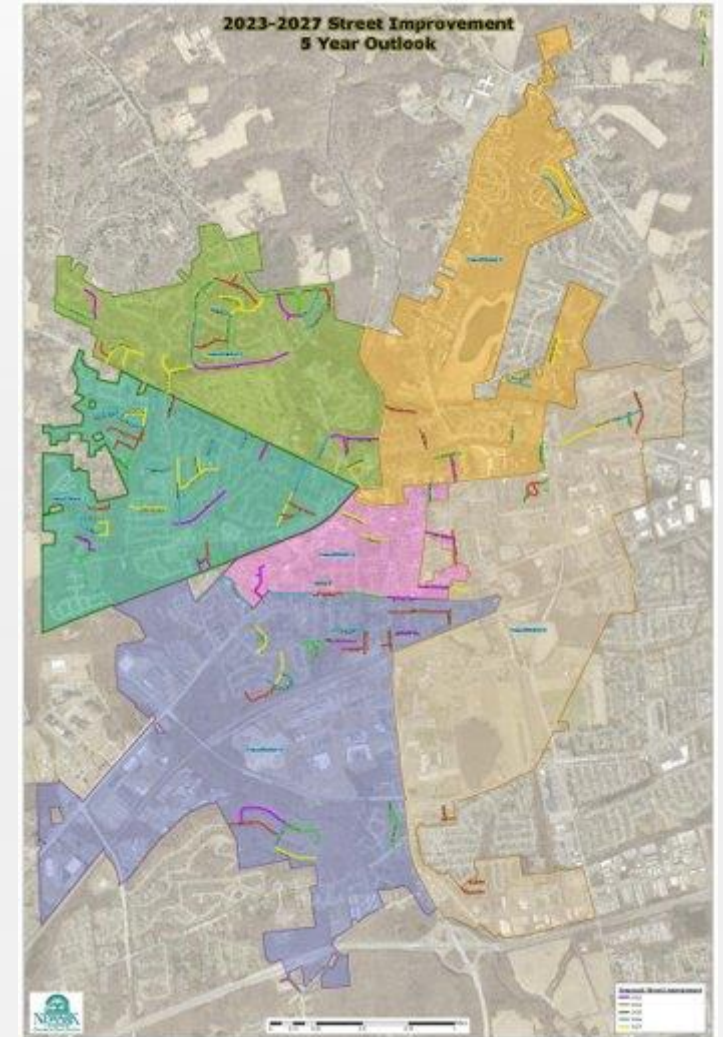
						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ 2,595,000	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 14,115,000
*Prior Authorized Balance:						\$ 1,000,324	\$ -	\$ -	\$ -	\$ -	\$ 1,000,324
2024-2028 Funding:						\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
R2201	Roll Off Dumpster Purchase	A	\$ 11,000	\$ 2,065	\$ 20,000	\$ 22,065	\$ 20,000	\$ -	\$ -	\$ -	\$ 42,065
REQSF	Equipment Replacement Program	B	-	-	-	-	-	300,000	-	-	300,000
H2401	Annual Street Program	B	-	580,883	1,344,117	1,925,000	2,125,000	2,125,000	2,375,000	2,375,000	10,925,000
H2402	ADA Accessibility Transition Plan	B	-	-	180,000	180,000	185,000	195,000	200,000	200,000	960,000
H2301	Annual Street Program	B	1,761,302	900,000	-	900,000	-	-	-	-	900,000
H2302	ADA Accessibility Transition Plan	B	166,441	-	-	-	-	-	-	-	-
H2203	City Hall Parking Lot Rehabilitation	B	625,000	-	-	-	-	-	-	-	-
H1503	Newark Transportation Plan Implementation	A	37,500	118,259	-	118,259	70,000	95,000	95,000	95,000	473,259
HEQSF	Equipment Replacement Program	B	-	216,985	233,015	450,000	600,000	-	100,000	200,000	1,350,000
TEQSF	Equipment Replacement Program	B	-	-	-	-	100,000	-	65,000	-	165,000
Total Capital Projects Fund - Refuse, Street and Engineering Divisions			\$ 2,601,243	\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 2,601,243	\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
	LESS: USE OF RESERVES		(250,000)	(1,000,324)	-	(1,000,324)	-	-	-	-	(1,000,324)
	VEHICLE & EQUIPMENT REPLACEMENT		-	(216,985)	-	(216,985)	(389,463)	(193,963)	(74,578)	(165,031)	(1,040,020)
	GRANTS		(588,802)	(540,883)	-	(540,883)	(540,883)	(540,883)	(540,883)	(540,883)	(2,704,415)
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		(625,000)	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		(60,000)	(60,000)	-	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)	(300,000)
	NET CAPITAL IMPROVEMENTS		\$ 1,077,441	\$ -	\$ 1,777,132	\$ 1,777,132	\$ 2,109,654	\$ 1,920,154	\$ 2,159,539	\$ 2,104,086	\$ 10,070,565

PWWR Budget Overview – Capital Improvements (Street)

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ 2,595,000	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 14,115,000
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R2201	Roll Off Dumpster Purchase	A	\$ 11,000	\$ 2,065	\$ 20,000	\$ 22,065	\$ 20,000	\$ -	\$ -	\$ -	\$ 42,065
REQSF	Equipment Replacement Program	B	-	-	-	-	-	300,000	-	-	300,000
H2401	Annual Street Program	B	-	580,883	1,344,117	1,925,000	2,125,000	2,125,000	2,375,000	2,375,000	10,925,000
H2402	ADA Accessibility Transition Plan	B	-	-	180,000	180,000	185,000	195,000	200,000	200,000	960,000
H2301	Annual Street Program	B	1,761,302	900,000	-	900,000	-	-	-	-	900,000
H2302	ADA Accessibility Transition Plan	B	166,441	-	-	-	-	-	-	-	-
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HEQSF	Equipment Replacement Program	B	-	216,985	233,015	450,000	600,000	-	100,000	200,000	1,350,000
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	VEHICLE & EQUIPMENT REPLACEMENT		-	(216,985)	-	(216,985)	(389,463)	(193,963)	(74,578)	(165,031)	(1,040,020)
	GRANTS		(588,802)	(540,883)	-	(540,883)	(540,883)	(540,883)	(540,883)	(540,883)	(2,704,415)
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		(625,000)	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		(60,000)	(60,000)	-	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)	(300,000)
	NET CAPITAL IMPROVEMENTS		\$ 1,077,441	\$ -	\$ 1,777,132	\$ 1,777,132	\$ 2,109,654	\$ 1,920,154	\$ 2,159,539	\$ 2,104,086	\$ 10,070,565

PWWR Budget Overview – Capital Improvements (Street)

- ▶ Annual Street Program discussion
- ▶ Annual ADA Handicap Ramp Program
- ▶ H1503 - Newark Transportation Plan Implementation
 - ▶ Bike Plans
 - ▶ Implementation of grants, etc.



PWWR Budget Overview – Capital Improvements (Engineering)

						FUNDING SUMMARY					
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REQSF	Equipment Replacement Program	B	-	-	-	-	-	300,000	-	-	300,000
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H2203	City Hall Parking Lot Rehabilitation	B	625,000	-	-	-	-	-	-	-	-
H1503	Newark Transportation Plan Implementation	A	37,500	118,259	-	118,259	70,000	95,000	95,000	95,000	473,259
HEQSF	Equipment Replacement Program	B	-	216,985	233,015	450,000	600,000	-	100,000	200,000	1,350,000
TEQSF	Equipment Replacement Program	B	-	-	-	-	100,000	-	65,000	-	165,000
Total Capital Projects Fund - Refuse, Street and Engineering Divisions			\$ 2,601,243	\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 2,601,243	\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
	LESS: USE OF RESERVES		(250,000)	(1,000,324)	-	(1,000,324)	-	-	-	-	(1,000,324)
	VEHICLE & EQUIPMENT REPLACEMENT		-	(216,985)	-	(216,985)	(389,463)	(193,963)	(74,578)	(165,031)	(1,040,020)
	GRANTS		(588,802)	(540,883)	-	(540,883)	(540,883)	(540,883)	(540,883)	(540,883)	(2,704,415)
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		(625,000)	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		(60,000)	(60,000)	-	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)	(300,000)
	NET CAPITAL IMPROVEMENTS		\$ 1,077,441	\$ -	\$ 1,777,132	\$ 1,777,132	\$ 2,109,654	\$ 1,920,154	\$ 2,159,539	\$ 2,104,086	\$ 10,070,565

				FUNDING SUMMARY							
				2024	2025	2026	2027	2028	Total 5 Year		
New Funding:				\$ 3,973,992	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 42,393,992		
*Prior Authorized Balance:				\$ 5,572,902	\$ -	\$ -	\$ -	\$ -	\$ 5,572,902		
2024-2028 Funding:				\$ 9,546,894	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 47,966,894		
				*Prior Authorized Balance includes 2023 carryover funding only.							
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	-----2024-----		2024	2025	2026	2027	2028	TOTAL
			RESERVES AND OTHER FUNDING	CURRENT FUNDING							
W2401	Curtis Water Treatment Plant - PFAS Removal	B	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
W2302	New Elevated Water Storage Tank	B	-	-	-	-	4,400,000	600,000	-	-	5,000,000
W2303	Water Main Conditions Assessment	B	-	800,000	-	800,000	820,000	840,000	-	-	2,460,000
W2304	Lead Water Service Line (LSL) Assessment and Remediation	B	50,000	-	-	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
W2201	Water Facilities Security Improvements	B	100,000	-	100,000	100,000	100,000	100,000	-	-	300,000
W2203	Well and Wellhouse Facility Upgrades	D	-	300,000	-	300,000	-	-	-	-	300,000
W2204	Curtis WTP - Treatment Units 4/5 Rehabilitation	D	600,000	-	-	-	-	-	-	-	-
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	D	550,000	-	-	-	1,500,000	-	-	-	1,500,000
W2206	Emerging Contaminants WTP Upgrades	B	2,900,000	1,310,000	-	1,310,000	-	-	-	-	1,310,000
W2101	Evergreen Booster Station Rehabilitation	B	-	-	-	-	-	-	-	-	-
W2102	Highfield Drive Booster Station Rehabilitation	B	200,000	-	-	-	-	-	-	-	-
W2103	New London Water Tank Chlorination	B	-	-	-	-	-	-	-	-	-
W2104	Cleveland Avenue Water Adjustments	D	-	-	-	-	-	-	-	-	-
W2001	Newark Reservoir Upgrades	B	100,000	-	100,000	100,000	1,500,000	-	-	-	1,600,000
W1701	Valve Inspection, Exercising and Rehabilitation	B	175,000	139,180	-	139,180	100,000	100,000	100,000	100,000	539,180
W1702	Source Water Protection	A	50,000	50,000	-	50,000	25,000	25,000	25,000	25,000	150,000
W1703	Laird Tract Well Field Restoration	A	-	1,636,032	-	1,636,032	-	-	-	-	1,636,032
W1601	Backup Generation at Water Facilities	A	125,000	132,631	-	132,631	125,000	-	-	-	257,631
W1602	Roseville Park Pressure District	B	125,000	325,000	-	325,000	-	-	-	-	325,000
W1503	Academy Street Interconnection Pump Station	B	-	300,000	-	300,000	-	-	-	-	300,000
W1402	Air Stripper Replacement - South Well Field	B	-	-	-	-	-	-	-	-	-
W1303	Water System Master Plan	D	-	-	-	-	-	-	-	-	-
W0503	Well Restoration Program	B	150,000	148,051	-	148,051	100,000	-	-	-	248,051
W9302	Water SCADA System	B	-	-	-	-	-	-	-	-	-
W9308	Water Main Replacement Program	B	2,052,500	2,316,520	8,480	2,325,000	2,000,000	2,000,000	2,000,000	2,000,000	10,325,000
W8605	Water Tank Maintenance	B	1,100,000	881,000	-	881,000	-	-	-	-	881,000
WEQSF	Equipment Replacement Program	B	25,000	-	-	-	35,000	135,000	65,000	600,000	835,000
Total Water Fund - Water Division			\$ 8,302,500	\$ 9,338,414	\$ 208,480	\$ 9,546,894	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 47,966,894
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 8,302,500	\$ 9,338,414	\$ 208,480	\$ 9,546,894	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 47,966,894
	LESS: USE OF RESERVES		(224,000)	(312,862)	-	(312,862)	-	-	-	-	(312,862)
	VEHICLE & EQUIPMENT REPLACEMENT		(25,000)	-	-	-	(21,491)	(61,114)	(30,512)	(318,128)	(431,245)
	GRANTS		(1,740,000)	(150,000)	-	(150,000)	(100,000)	-	-	-	(250,000)
	BOND ISSUES		-	(300,000)	-	(300,000)	-	-	-	-	(300,000)
	STATE REVOLVING LOANS		(2,310,000)	(5,577,032)	-	(5,577,032)	(24,720,000)	(4,440,000)	(3,000,000)	(3,000,000)	(40,737,032)
	AMERICAN RESCUE PLAN ACT		(3,684,500)	(2,998,520)	-	(2,998,520)	-	-	-	-	(2,998,520)
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
	NET CAPITAL IMPROVEMENTS		\$ 319,000	\$ -	\$ 208,480	\$ 208,480	\$ 1,863,509	\$ 298,886	\$ 159,488	\$ 406,872	\$ 2,937,235

PWWR Budget Overview – Capital Improvements (Sewer)

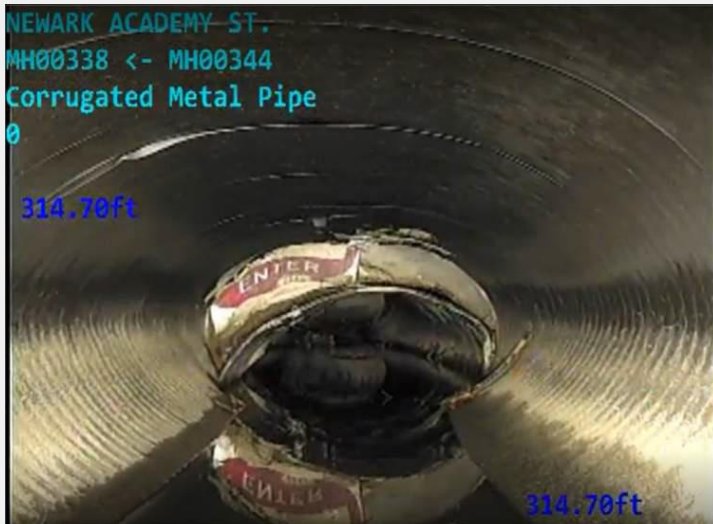
						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ 1,000,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 5,675,000
*Prior Authorized Balance:						\$ 1,136,000	\$ -	\$ -	\$ -	\$ -	\$ 1,136,000
2024-2028 Funding:						\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	-----2024-----		2024	2025	2026	2027	2028	TOTAL
S2401	Silverbrook Pump Station Upgrades	B	\$ -	\$ 950,000	\$ 50,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
S2201	FOG Program Development	C	75,000	75,000	-	75,000	75,000	-	-	-	150,000
S1602	Sewer SCADA System	D	-	-	-	-	-	-	-	-	-
S1501	Sewer System Master Plan	A	-	-	-	-	-	-	-	-	-
S0904	Sanitary Sewer Study and Repairs	B	1,061,000	1,061,000	-	1,061,000	1,050,000	1,050,000	1,000,000	1,000,000	5,161,000
SEQSF	Equipment Replacement Program	B	-	-	-	-	500,000	-	-	-	500,000
Total Sewer Fund - Sewer Division			\$ 1,136,000	\$ 2,086,000	\$ 50,000	\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 1,136,000	\$ 2,086,000	\$ 50,000	\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000
	LESS: USE OF RESERVES		(75,000)	(75,000)	-	(75,000)	-	-	-	-	(75,000)
	VEHICLE & EQUIPMENT REPLACEMENT		-	-	-	-	(234,160)	-	-	-	(234,160)
	GRANTS		-	(50,000)	-	(50,000)	(50,000)	(50,000)	-	-	(150,000)
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	STATE REVOLVING LOANS		-	(900,000)	-	(900,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(4,900,000)
	AMERICAN RESCUE PLAN ACT		(1,261,000)	(1,061,000)	-	(1,061,000)	-	-	-	-	(1,061,000)
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS			\$ (200,000)	\$ -	\$ 50,000	\$ 50,000	\$ 340,840	\$ -	\$ -	\$ -	\$ 390,840

PWWR Budget Overview – Capital Improvements (Stormwater)

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ 500,000	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 5,760,000
*Prior Authorized Balance:						\$ 489,057	\$ -	\$ -	\$ -	\$ -	\$ 489,057
2024-2028 Funding:						\$ 989,057	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 6,249,057
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
Q2401	Skid Steer Purchase	A	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
Q2301	Mini Excavator	D	100,000	-	-	-	-	-	-	-	-
Q2201	Outfall and City Owned SWM Facility Repair	D	300,000	166,400	-	166,400	-	-	-	-	166,400
Q1802	Rodney Regional Stormwater Park	A	-	124,170	-	124,170	-	-	-	-	124,170
Q1301	Storm Drainage Improvements	B	525,000	588,034	-	588,034	1,000,000	1,000,000	1,000,000	1,000,000	4,588,034
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	B	110,834	110,453	-	110,453	100,000	100,000	100,000	125,000	535,453
QEQSF	Equipment Replacement Program	B	45,000	-	-	-	75,000	75,000	585,000	-	735,000
Total Stormwater Fund - Stormwater Division			\$ 1,080,834	\$ 989,057	\$ -	\$ 989,057	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 6,249,057
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 1,080,834	\$ 989,057	\$ -	\$ 989,057	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 6,249,057
	LESS: USE OF RESERVES		(543,420)	(305,243)	-	(305,243)	-	-	-	-	(305,243)
	VEHICLE & EQUIPMENT REPLACEMENT		(45,000)	-	-	-	(43,993)	-	(305,991)	-	(349,984)
	GRANTS		-	-	-	-	-	-	-	-	-
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	STATE REVOLVING LOANS		-	(500,000)	-	(500,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(4,500,000)
	AMERICAN RESCUE PLAN ACT		(300,000)	(166,400)	-	(166,400)	-	-	-	-	(166,400)
	OTHER FINANCING SOURCES		(17,414)	(17,414)	-	(17,414)	-	-	-	-	(17,414)
	NET CAPITAL IMPROVEMENTS		\$ 175,000	\$ -	\$ -	\$ -	\$ 231,007	\$ 175,000	\$ 379,009	\$ 125,000	\$ 910,016

PWWR Budget Overview – Capital Improvements (Stormwater)

► Academy Street



PWWR Budget Overview – Capital Improvements (Stormwater)

Contract Year	Rehabilitation Method	Contract Amount	Total Length Rehabilitated (LF)	Cost Per LF
2018	Geopolymer Lining	\$245,081	750	\$327
	Dig and Replace	\$149,081	390	\$382
2019	Geopolymer Lining	\$243,694	845	\$289
2021	CIPP Lining	\$97,531	924	\$106
2022	CIPP Lining	\$168,472	1197	\$141
2022	Geopolymer Lining	\$227,650	159	\$1,432
2023	Dig and Replace	\$341,997	100	\$3,420
Total:		\$1,473,506	4,365	

PWWR Budget Overview – Capital Improvements (Fleet)

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
*Prior Authorized Balance:						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:						\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	2024-----		2024	2025	2026	2027	2028	TOTAL
				RESERVES AND OTHER FUNDING	CURRENT FUNDING						
MEQSF	Equipment Replacement Program	B	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
Total Maintenance Fund - Fleet Maintenance Division			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
	LESS: USE OF RESERVES		-	-	-	-	-	-	-	-	-
	VEHICLE & EQUIPMENT REPLACEMENT		-	-	-	-	-	(35,388)	-	-	(35,388)
	GRANTS		-	-	-	-	-	-	-	-	-
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		-	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
	NET CAPITAL IMPROVEMENTS		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,612	\$ -	\$ -	\$ 34,612

Questions



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

2024 BUDGET PRESENTATION TO CITY COUNCIL

**AS PRESENTED ON:
SEPTEMBER 11th, 2023**

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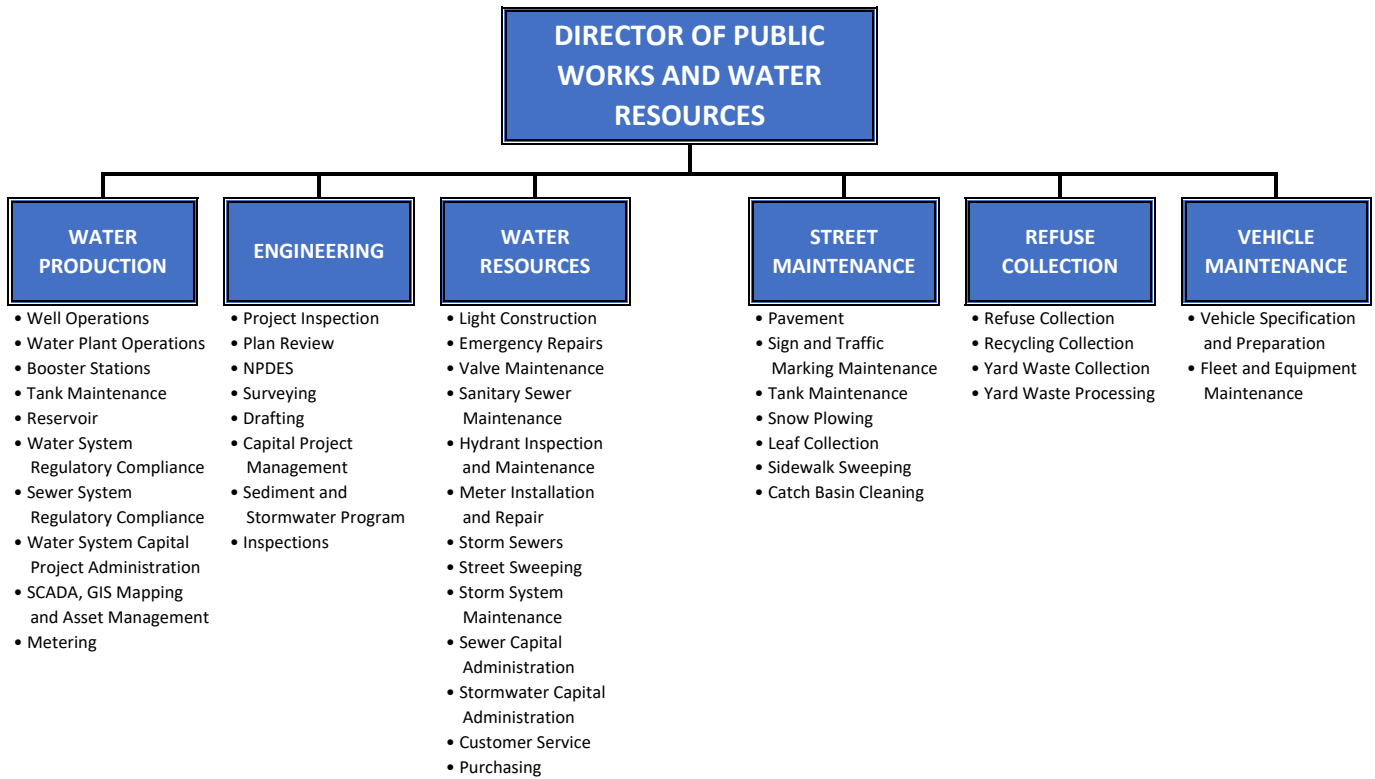
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**CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
ORGANIZATIONAL CHART**



**CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
2024 DEPARTMENTAL NARRATIVE**

The Public Works and Water Resources Department is responsible for potable water treatment and delivery, sanitary sewage collection and transmission services, refuse collection, City fleet maintenance, engineering and surveying, street maintenance, and stormwater management through its the seven (7) divisions described below. Three separate Utilities are operated within the PWWR Department, the Water Utility, Sewer Utility, and Stormwater Utility. Staff in each Division prepare reports and recommendations to the City Manager and City Council on facility improvements.

Engineering Division:

- As a Delegated Agency of the Delaware Department of Natural Resources and Environmental Control (DNREC) Sediment and Stormwater Program, the Engineering Division is responsible for the engineering review of new subdivisions and construction improvement plans, sediment and stormwater program implementation, and construction inspection. The division also provides public works capital project development and administration, survey support, GIS database management, and administration of our annual Street and Sidewalk Programs. Staff also responds to resident complaints regarding drainage, erosion, and other related issues. Engineering staff maintain an active liaison with engineering consultants and other operating departments of the City.

Refuse Division:

- Performs numerous services including regular trash collection, curbside recycling collection, bulk or special pick-up service, yard waste collection, and Main Street Big Belly Compactor collection. The Refuse Division also assists various operating departments for trash collection at special events throughout the year.

Street Division:

- Responsible for minor repairs of streets and curbs, repair of city owned sidewalks, maintenance of the City's yard waste processing areas, application of traffic control signage and striping, leaf collection, and snow plowing. In addition, this division routinely assists other departments and PWWR divisions as required.

Fleet Maintenance Division:

- Responsible for maintaining the City's 225 vehicles and pieces of motorized equipment and focused on improving fleet standardization and minimizing life cycle costs, while reducing parts inventory requirements, maintenance burden, and vehicle down time. The Fleet Maintenance Division also provides vehicle inspection reports to assist with vehicle specifications for new purchases.

**CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
2024 DEPARTMENTAL NARRATIVE**

Water Division:

- Responsible for maintaining regulatory compliance, GIS database management, oversight of day to day water system operations, engineering and design of facilities, supervision and inspection of construction projects, and capital project development and administration. Water construction plans and specifications are prepared for bidding under this program.

Sewer Division:

- The sewer division is responsible for maintaining regulatory compliance, oversight of day to day sanitary sewer system operations, engineering and design of facilities, supervision and inspection of construction projects, and capital project development and administration. Resident interaction during backup events is a specialty of this division.

Stormwater Division:

- Responsible for programming and administration of the Stormwater Utility, maintaining NPDES Phase II Permit compliance, GIS database management, oversight of day to day system operations, engineering and design of facilities, supervision and inspection of construction projects, and capital project development and administration.

**CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
2023 DEPARTMENTAL ACCOMPLISHMENTS**

Key accomplishments in 2023 include:

Stormwater Utility:

- Completed the replacement and repair of several large pipes, including the Edjil Drive Culverts and Fremont Road Culvert.
- Completed Hydrologic and Hydraulic analysis on a main storm sewer truckline on Academy Street. This study will guide a rehabilitation project to address pipe and conveyance deficiencies on this critical truckline system.

Sewer Utility:

- Completed the inspection and lining of another 10,000+ linear feet of degraded sewer line, increasing the life span by a minimum of 50 years. Since 2011, we have inspected more than 20% of the sewer system, addressing deficiencies with each project.
- Installed Safety Grates on all of our sewer pump station wet well hatches, increasing worker safety while working around these stations.

Water Utility:

- Completed Plans and Specifications for the next Water Main Rehabilitation Contract. Bids out in September 2023 and expect bids by October 2023. ARPA Funded Project.
- Completed Plans and Specifications for SWF PFAS Project. Awarded contract with preconstruction meeting set for early Sept. Expected completion in early 2024.
- Completed Evergreen Booster Station rehabilitation to maintain pressure, flow , and fire protection.
- Determined that Laird Tract project to add additional source water at our Curtis Water Treatment Plant is viable and will move forward to design and construction in 2024.

Refuse:

- Scheduled over 6,300 Bulk Collection stops and collected nearly 300 tons of items too big for regular collection. Like recent years, more than 80% are scheduled at properties without a rental permit.
- Took delivery of One (1) 30 Yard Dumpsters to assist with large item collection, UDon't Need It? Student Move Out, Neighborhood Cleanups, etc. We now have Three (3) dumpsters which will pay for themselves over the course of 3 years of continued use at the UDNI program alone.

Street:

- Completed paving and rehabilitation of streets and curbs in 12 segments of street throughout the City.
- Replaced 34 curb ramps for ADA Accessibility in various locations around the City.
- Completed mandatory training program for new Commercial Driver's License (CDL) applicants per new federal motor carrier rules for approximately 10 new employees.

Engineering:

- Plan Review Data Sept. 1, 2022-Sept 1, 2023:
- Lines and Grades Plan Reviews: 56 (+24, 75%)
- Construction Improvement Plan (CIP) Reviews: 19 (+11, 137.5%)
- Subdivision Reviews: 17 (+0, 0%)
- Average Days in Queue = 26 (Down from 34 in 2022)

**CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
2024 DEPARTMENTAL GOALS**

Goals for 2024 include:

- Complete all projects funded through the American Recovery Plan Act (ARPA).
- Address emerging contaminants at our Curtis Water Treatment Plant along with upgrades needed to maintain our drinking water supplies.
- Continue to expand the City's Electric Vehicle (EV) fleet through vehicle replacement review. Keep on the cutting edge of available vehicles for the tasks required of that vehicle.
- Address employee onboarding and training for new employees to streamline the transition from longtime employees in senior field positions as they retire. This trend will continue into 2024. Our goal is to transition these employees while keeping service levels as residents expect.
- Increase recycling diversion rates with clean recycling. Our current contract with DSWA provides for free recycling disposal. Recycling properly, and in greater quantities, keeps the items from the landfill while saving the City money in disposal fees.
- Reorganize Fleet Maintenance Division by adding a true Fleet Maintenance Manager to provide better service to all operating departments.

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
WATER DIVISION**

2024 OPERATING EXPENDITURES

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Summary:

* as amended

** as proposed

WATER DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>REVENUES</u>								
Sale of Water	\$ 9,102,939	\$ 8,170,030	\$ 8,975,021	\$ 9,171,779	\$ 9,726,080	\$ 9,815,000	\$ 88,920	0.9%
Penalties	25,340	24,197	27,850	30,787	25,000	26,000	1,000	4.0%
Service Fees	21,945	53,644	57,919	28,201	35,000	35,000	-	0.0%
Other Revenues	159,458	218,973	179,676	144,768	135,000	140,000	5,000	3.7%
Interest Revenue	35,858	21,531	31,726	44,536	30,000	55,000	25,000	83.3%
Subtotal	\$ 9,345,540	\$ 8,488,375	\$ 9,272,192	\$ 9,420,071	\$ 9,951,080	\$ 10,071,000	\$ 119,920	1.2%
Less: Water Purchased	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gross Operating Revenue	\$ 9,345,540	\$ 8,488,375	\$ 9,272,192	\$ 9,420,071	\$ 9,951,080	\$ 10,071,000	\$ 119,920	1.2%
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 2,696,643	\$ 2,112,806	\$ 2,247,228	\$ 2,820,813	\$ 2,949,680	\$ 3,116,938	\$ 167,258	5.7%
Utility Purchases	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Materials & Supplies	349,823	319,009	353,703	386,589	476,900	528,642	51,742	10.8%
Contractual Services	882,481	778,021	857,559	976,684	1,215,830	1,277,907	62,077	5.1%
Other Charges	1,851,404	1,847,783	2,007,129	2,046,611	1,115,292	1,203,243	87,951	7.9%
Subtotal	\$ 5,780,351	\$ 5,057,619	\$ 5,465,619	\$ 6,230,697	\$ 5,757,702	\$ 6,126,730	\$ 369,028	6.4%
Inter-Dept. Charges	864,845	473,775	571,340	619,718	707,908	843,377	135,469	19.1%
Total Operating Expenses	\$ 6,645,196	\$ 5,531,394	\$ 6,036,959	\$ 6,850,415	\$ 6,465,610	\$ 6,970,107	\$ 504,497	7.8%
Net Operating Margin (Before Capital Costs)	\$ 2,700,344	\$ 2,956,981	\$ 3,235,233	\$ 2,569,656	\$ 3,485,470	\$ 3,100,893	\$ (384,577)	-11.0%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Expenditures:

* as amended

** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5295202	6020	Supervisory	\$ 375,864	\$ 395,851	\$ 387,081	\$ 402,940	\$ 432,992	\$ 455,219	\$ 22,227	5.1%
5295202	6030	Engineering/Technical	126	-	36,369	37,304	25,358	26,111	753	3.0%
5295202	6050	Information Technology	54,973	60,630	61,955	65,722	23,131	24,303	1,172	5.1%
5295202	6080	Clerical	86,602	99,650	85,883	94,552	113,885	117,709	3,824	3.4%
5295202	6200	Line Maintenance	428,851	440,453	405,041	452,033	519,447	365,025	(154,422)	-29.7%
5295202	6210	Inspectors	60,911	67,150	68,543	72,710	75,953	131,774	55,821	73.5%
5295202	6220	Plant Operators	299,327	317,271	559,252	381,684	396,948	408,612	11,664	2.9%
5295202	6230	Maintenance Workers	66,475	70,528	68,757	70,024	72,448	196,863	124,415	171.7%
5295202	6580	Service Award	24,535	23,146	24,474	27,507	31,597	31,410	(187)	-0.6%
5295202	6590	Sick Pay	11,198	22,777	15,239	15,393	18,254	17,980	(274)	-1.5%
5295202	6610	Seasonal Workers	14,661	2,033	9,576	14,201	14,000	7,000	(7,000)	-50.0%
5295202	6615	Interns	4,856	-	-	6,075	7,000	14,000	7,000	100.0%
5295202	6619	Standby Pay	-	-	-	4,258	-	10,000	10,000	100.0%
5295202	6620	Overtime	224,084	176,104	178,396	175,967	165,000	175,000	10,000	6.1%
5295202	6621	Shift Differential	5,934	5,770	5,466	4,766	7,000	7,000	-	0.0%
5295202	6622	Holiday Premium	13,501	18,275	17,038	17,290	18,000	19,000	1,000	5.6%
5295202	6623	Weekend Premium	3,116	3,297	6,644	10,568	10,000	11,000	1,000	10.0%
5295202	6880	Uniform Allowance	7,870	7,420	7,370	8,390	9,200	9,600	400	4.3%
5295202	6885	Device Reimbursement	5,225	5,175	5,625	6,125	6,600	6,600	-	0.0%
5295202	6920	Unemployment Comp. Ins.	6,363	6,580	6,137	6,608	7,122	2,982	(4,140)	-58.1%
5295202	6930	Social Security Taxes	124,665	127,739	144,062	139,420	144,489	150,760	6,271	4.3%
5295202	6940	City Pension Plan	497,304	(19,878)	(231,974)	420,922	265,679	240,086	(25,593)	-9.6%
5295202	6941	Defined Contribution 401(a) Plan	38,722	41,672	48,958	54,367	62,668	75,269	12,601	20.1%
5295202	6950	Term Life Insurance	6,934	6,264	6,185	6,588	7,419	7,439	20	0.3%
5295202	6960	Group Hospitalization Ins.	250,829	269,728	294,335	317,739	406,679	493,390	86,711	21.3%
5295202	6961	Long-Term Disability Ins.	2,854	2,613	2,033	1,615	2,063	2,445	382	18.5%
5295202	6962	Dental Insurance	13,869	14,242	15,487	16,829	20,514	22,210	1,696	8.3%
5295202	6963	Flexible Spending Account	142	189	173	142	189	126	(63)	-33.3%
5295202	6964	Health Savings Account	1,500	1,500	1,500	1,500	3,000	-	(3,000)	-100.0%
5295202	6965	Post-Employment Benefits	52,979	(66,878)	2,828	(28,344)	61,810	61,810	-	0.0%
5295202	6966	Retirement Health Savings Account	10,696	10,804	12,306	14,193	16,841	21,614	4,773	28.3%
5295202	6967	Emergency Room Reimbursements	800	1,833	1,600	800	3,287	3,433	146	4.4%
5295202	6968	Vision Insurance Premiums	877	868	889	925	1,107	1,168	61	5.5%
TOTAL PERSONNEL SERVICES			\$ 2,696,643	\$ 2,112,806	\$ 2,247,228	\$ 2,820,813	\$ 2,949,680	\$ 3,116,938	\$ 167,258	5.7%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Expenditures:

* as amended

** as proposed

MATERIALS AND SUPPLIES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5295203	7080	Pumping Station Electric	\$ 29,216	\$ 24,612	\$ 26,112	\$ 34,997	\$ 50,000	\$ 50,000	\$ -	0.0%
5295203	7090	Treatment Plant Chemicals	103,949	92,477	109,937	125,393	150,000	165,000	15,000	10.0%
5295203	7110	Safety Shoes and Supplies	5,699	5,244	4,552	4,785	5,400	5,500	100	1.9%
5295203	7130	Tools, Field Sup., & Small Eq.	10,867	14,327	12,059	13,659	14,000	26,392	12,392	88.5%
5295203	7150	Office Supplies	3,265	2,586	3,050	3,091	3,500	3,750	250	7.1%
5295203	7255	Vandalism Supplies	-	-	-	-	2,500	2,500	-	0.0%
5295203	7260	Line Maintenance	124,650	119,292	116,446	141,737	120,000	130,000	10,000	8.3%
5295203	7270	Station and Well Maintenance Supplies	7,470	10,620	6,420	26,614	20,000	26,000	6,000	30.0%
5295203	7271	SCADA System Maintenance Supplies	-	-	-	-	19,000	15,000	(4,000)	-21.1%
5295203	7275	Reservoir Maintenance	4,594	4,065	1,485	550	8,500	8,500	-	0.0%
5295203	7280	Treatment Plant Maintenance	15,472	9,273	30,010	11,931	40,000	40,000	-	0.0%
5295203	7330	Water Meters	44,883	38,023	48,914	23,740	44,000	56,000	12,000	27.3%
5295203	7540	Inventory Adjustment	(242)	(1,604)	(5,282)	-	-	-	-	0.0%
5295203	7550	Miscellaneous Supplies	-	94	-	92	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			\$ 349,823	\$ 319,009	\$ 353,703	\$ 386,589	\$ 476,900	\$ 528,642	\$ 51,742	10.8%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Expenditures:

* as amended

** as proposed

CONTRACTUAL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5295204	8020	Advertising	\$ 978	\$ 1,169	\$ 3,252	\$ 3,423	\$ 3,600	\$ 3,600	\$ -	0.0%
5295204	8030	Casualty Insurance	26,846	27,159	30,349	33,666	36,832	33,329	(3,503)	-9.5%
5295204	8031	Insurance - Property	91,774	97,501	104,740	118,372	131,712	170,688	38,976	29.6%
5295204	8032	Insurance - Auto	25,880	20,698	20,531	17,030	25,632	27,928	2,296	9.0%
5295204	8033	Insurance - Broker	13,056	13,181	7,419	5,391	5,421	5,125	(296)	-5.5%
5295204	8035	Insurance - Worker's Compensation	34,252	45,183	48,831	47,213	51,800	51,800	-	0.0%
5295204	8040	Merchant Fees and Discounts	101,478	87,240	94,938	83,580	90,000	94,500	4,500	5.0%
5295204	8050	Phone/Communications	3,948	945	441	1,516	450	954	504	112.0%
5295204	8120	Outside Engineering	49,244	44,561	111,625	97,764	125,000	135,000	10,000	8.0%
5295204	8130	Building & Equipment Rental	1,045	778	2,506	3,185	3,500	3,500	-	0.0%
5295204	8131	Information Technology Cont'l	48,105	80,097	75,088	75,505	85,691	81,592	(4,099)	-4.8%
5295204	8150	Water Service Contracts	72,605	73,763	24,903	31,696	55,000	60,000	5,000	9.1%
5295204	8255	Vandalism Cont'l	-	-	-	-	2,500	2,500	-	0.0%
5295204	8260	Line Maintenance	26,545	37,150	21,844	70,508	125,000	130,000	5,000	4.0%
5295204	8270	Station and Well Maintenance Cont'l	12,097	15,338	16,966	20,930	48,000	50,000	2,000	4.2%
5295204	8271	SCADA System Maintenance Cont'l	-	-	-	1,182	10,000	10,000	-	0.0%
5295204	8275	Reservoir Maintenance	28,638	31,310	26,478	28,196	35,000	85,000	50,000	142.9%
5295204	8280	Treatment Plant Maintenance	118,600	30,703	21,819	110,003	90,000	100,000	10,000	11.1%
5295204	8312	Fleet & Facilities Services	166,488	139,068	182,952	177,675	210,192	179,891	(30,301)	-14.4%
5295204	8313	Self-Insurance Services	21,525	190	26,100	-	-	-	-	0.0%
5295204	8325	Tank Cleaning and Inspection	5,284	1,555	8,445	17,400	35,000	10,000	(25,000)	-71.4%
5295204	8330	Meter Testing and Repairs	53	-	70	-	7,500	2,500	(5,000)	-66.7%
5295204	8550	Misc. Contracted Services	12,245	8,097	6,467	9,342	10,000	10,000	-	0.0%
5295204	8899	Mowing Contract	21,795	22,335	21,795	23,107	28,000	30,000	2,000	7.1%
TOTAL CONTRACTUAL SERVICES			\$ 882,481	\$ 778,021	\$ 857,559	\$ 976,684	\$ 1,215,830	\$ 1,277,907	\$ 62,077	5.1%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Expenditures: * as amended ** as proposed

OTHER CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5295205	9002	Subvention - Aetna Hook and Ladder	\$ 3,644	\$ 5,543	\$ 4,760	\$ 4,952	\$ 3,300	\$ 5,500	\$ 2,200	66.7%
5295205	9010	Bad Debt Expense	1,488	1,321	1,452	2,042	3,101	1,524	(1,577)	-50.9%
5295205	9051	Debt Serv. Prin.	1,140,000	1,185,000	1,230,000	1,275,000	-	-	-	0.0%
5295205	9052	Debt Serv. Int.	134,925	99,165	76,710	15,938	-	-	-	0.0%
5295205	9054	Amortization of Refinance Loss	34,443	34,443	34,443	28,708	-	-	-	0.0%
5295205	9056	Debt Serv. Prin. - Smart Meters	349,851	357,548	365,414	373,453	381,668	390,065	8,397	2.2%
5295205	9057	Debt Serv. Int. - Smart Meters	75,690	67,993	60,127	52,088	43,872	35,475	(8,397)	-19.1%
5295205	9058	Debt Serv. Prin. - ECM	35,202	35,908	36,628	27,941	-	-	-	0.0%
5295205	9059	Debt Serv. Int. - ECM	2,439	1,733	1,013	265	-	-	-	0.0%
5295205	9060	Depreciation Expense	63,436	55,040	70,113	58,658	58,940	88,076	29,136	49.4%
5295205	9070	Training & Continuing Educ/Conf	10,286	4,089	2,573	8,079	10,000	10,000	-	0.0%
5295205	9152	Debt Serv. Int. - SRL Funded Capital-W1703	-	-	-	-	4,000	40,000	36,000	900.0%
5295205	9153	Debt Serv. Prin. - SRL Funded Capital-W1402	-	-	-	-	191,250	185,424	(5,826)	-3.0%
5295205	9154	Debt Serv. Int. - SRL Funded Capital-W1402	-	-	61,834	91,970	63,750	91,736	27,986	43.9%
5295205	9156	Debt Serv. Int. - SRL Funded Capital-W9302	-	-	-	5,767	63,000	63,000	-	0.0%
5295205	9157	Debt Serv. Prin. - SRL Funded Capital-W9308 [P1]	-	-	-	22,188	-	-	-	0.0%
5295205	9158	Debt Serv. Int. - SRL Funded Capital-W9308 [P1]	-	-	27,290	24,653	63,525	63,525	-	0.0%
5295205	9160	Debt Serv. Int. - SRL Funded Capital-W8605	-	-	-	7,492	50,000	50,000	-	0.0%
5295205	9166	Debt Serv. Int. - SRL Funded Capital-W9308 [P2]	-	-	-	7,671	140,000	140,000	-	0.0%
5295205	9201	Debt Serv. Prin. - Unit 207 Lease Payment	-	-	29,331	27,803	28,545	29,306	761	2.7%
5295205	9202	Debt Serv. Int. - Unit 207 Lease Payment	-	-	2,675	3,703	2,961	2,200	(761)	-25.7%
5295205	9205	Debt Serv. Prin. - (ESCO)	-	-	-	4,615	4,750	4,894	144	3.0%
5295205	9206	Debt Serv. Int. - (ESCO)	-	-	2,766	3,625	2,630	2,518	(112)	-4.3%
TOTAL OTHER CHARGES			\$ 1,851,404	\$ 1,847,783	\$ 2,007,129	\$ 2,046,611	\$ 1,115,292	\$ 1,203,243	\$ 87,951	7.9%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Water Fund - Public Works and Water Resources Department - Water Division

Expenditures:

* as amended

** as proposed

INTER-DEPT. CHARGES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
	Administrative Overhead	\$ 694,095	\$ 318,792	\$ 369,763	\$ 343,269	\$ 373,605	\$ 409,793	\$ 36,188	9.7%
	Billings and Accounting	68,916	98,934	93,169	121,614	109,023	162,013	52,990	48.6%
	Electricity	186,300	146,430	161,089	189,064	186,967	216,030	29,063	15.5%
	Information Technology	58,119	67,051	80,829	83,836	174,352	181,436	7,084	4.1%
	Other Indirect Charges	(165,663)	(189,066)	(157,552)	(139,035)	(157,302)	(149,426)	7,876	-5.0%
	Printing and Reproduction	93	61	76	60	104	114	10	9.6%
	Warehousing	22,985	31,573	23,966	20,910	21,159	23,417	2,258	10.7%
TOTAL INTER-DEPT. CHARGES		\$ 864,845	\$ 473,775	\$ 571,340	\$ 619,718	\$ 707,908	\$ 843,377	\$ 135,469	19.1%

* as amended

** as proposed

OPERATING EXPENSES - WATER DIVISION		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES		\$ 6,645,196	\$ 5,531,394	\$ 6,036,959	\$ 6,850,415	\$ 6,465,610	\$ 6,970,107	\$ 504,497	7.8%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
WATER DIVISION**

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2024-2028
(with current year amended budget)

WATER FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

	FUNDING SUMMARY					
	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 3,973,992	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 42,393,992
*Prior Authorized Balance:	\$ 5,572,902	\$ -	\$ -	\$ -	\$ -	\$ 5,572,902
2024-2028 Funding:	\$ 9,546,894	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 47,966,894
*Prior Authorized Balance includes 2023 carryover funding only.						

PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
W2401	Curtis Water Treatment Plant - PFAS Removal	B	\$ -	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
W2302	New Elevated Water Storage Tank	B	-	-	-	-	4,400,000	600,000	-	-	5,000,000
W2303	Water Main Conditions Assessment	B	-	800,000	-	800,000	820,000	840,000	-	-	2,460,000
W2304	Lead Water Service Line (LSL) Assessment and Remediation	B	50,000	-	-	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
W2201	Water Facilities Security Improvements	B	100,000	-	100,000	100,000	100,000	100,000	-	-	300,000
W2203	Well and Wellhouse Facility Upgrades	D	-	300,000	-	300,000	-	-	-	-	300,000
W2204	Curtis WTP - Treatment Units 4/5 Rehabilitation	D	600,000	-	-	-	-	-	-	-	-
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	D	550,000	-	-	-	1,500,000	-	-	-	1,500,000
W2206	Emerging Contaminants WTP Upgrades	B	2,900,000	1,310,000	-	1,310,000	-	-	-	-	1,310,000
W2101	Evergreen Booster Station Rehabilitation	B	-	-	-	-	-	-	-	-	-
W2102	Highfield Drive Booster Station Rehabilitation	B	200,000	-	-	-	-	-	-	-	-
W2103	New London Water Tank Chlorination	B	-	-	-	-	-	-	-	-	-
W2104	Cleveland Avenue Water Adjustments	D	-	-	-	-	-	-	-	-	-
W2001	Newark Reservoir Upgrades	B	100,000	-	100,000	100,000	1,500,000	-	-	-	1,600,000
W1701	Valve Inspection, Exercising and Rehabilitation	B	175,000	139,180	-	139,180	100,000	100,000	100,000	100,000	539,180
W1702	Source Water Protection	A	50,000	50,000	-	50,000	25,000	25,000	25,000	25,000	150,000
W1703	Laird Tract Well Field Restoration	A	-	1,636,032	-	1,636,032	-	-	-	-	1,636,032
W1601	Backup Generation at Water Facilities	A	125,000	132,631	-	132,631	125,000	-	-	-	257,631
W1602	Roseville Park Pressure District	B	125,000	325,000	-	325,000	-	-	-	-	325,000
W1503	Academy Street Interconnection Pump Station	B	-	300,000	-	300,000	-	-	-	-	300,000
W1402	Air Stripper Replacement - South Well Field	B	-	-	-	-	-	-	-	-	-
W1303	Water System Master Plan	D	-	-	-	-	-	-	-	-	-
W0503	Well Restoration Program	B	150,000	148,051	-	148,051	100,000	-	-	-	248,051
W9302	Water SCADA System	B	-	-	-	-	-	-	-	-	-
W9308	Water Main Replacement Program	B	2,052,500	2,316,520	8,480	2,325,000	2,000,000	2,000,000	2,000,000	2,000,000	10,325,000
W8605	Water Tank Maintenance	B	1,100,000	881,000	-	881,000	-	-	-	-	881,000
WEQSF	Equipment Replacement Program	B	25,000	-	-	-	35,000	135,000	65,000	600,000	835,000
Total Water Fund - Water Division			\$ 8,302,500	\$ 9,338,414	\$ 208,480	\$ 9,546,894	\$ 26,705,000	\$ 4,800,000	\$ 3,190,000	\$ 3,725,000	\$ 47,966,894

PLANNED FINANCING SOURCES																		
GROSS CAPITAL IMPROVEMENTS	\$	8,302,500	\$	9,338,414	\$	208,480	\$	9,546,894	\$	26,705,000	\$	4,800,000	\$	3,190,000	\$	3,725,000	\$	47,966,894
LESS: USE OF RESERVES		(224,000)		(312,862)		-		(312,862)		-		-		-		-		(312,862)
VEHICLE & EQUIPMENT REPLACEMENT		(25,000)		-		-		-		(21,491)		(61,114)		(30,512)		(318,128)		(431,245)
GRANTS		(1,740,000)		(150,000)		-		(150,000)		(100,000)		-		-		-		(250,000)
BOND ISSUES		-		(300,000)		-		(300,000)		-		-		-		-		(300,000)
STATE REVOLVING LOANS		(2,310,000)		(5,577,032)		-		(5,577,032)		(24,720,000)		(4,440,000)		(3,000,000)		(3,000,000)		(40,737,032)
AMERICAN RESCUE PLAN ACT		(3,684,500)		(2,998,520)		-		(2,998,520)		-		-		-		-		(2,998,520)
OTHER FINANCING SOURCES		-		-		-		-		-		-		-		-		-
NET CAPITAL IMPROVEMENTS	\$	319,000	\$	-	\$	208,480	\$	208,480	\$	1,863,509	\$	298,886	\$	159,488	\$	406,872	\$	2,937,235

* Justification Codes:
A - Return on Investment
B - Public Safety
C - Community Health
D - Efficiency/Other



PROJECT NO: W2401
PROJECT TITLE: Curtis Water Treatment Plant - PFAS Removal
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 1,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 1,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 16,000,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	218 Paper Mill Road
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2024
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 16,000,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 16,000,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 16,000,000
TOTAL PROJECT COST		\$ 16,000,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

New Federal and State guidelines are expected to be adopted as regulations in 2023, requiring additional treatment of our water at the Curtis Water Treatment Plant. Additional sampling will be required throughout 2024 in order to determine the need and timeline for this treatment. Project would be similar to the treatment being implemented at our South Well Field Treatment Plant in 2023. Treatment would add additional long term stability to our water supply.

Bipartisan Infrastructure Law funding from the SRF will be available for this work. Interest rates should remain below 2% for this project. Cannot begin design until the regulation is final.

Operating costs for the media replacement would need to be considered once in operation.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	50,000	-	-	-	-	\$ 50,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	950,000	15,000,000	-	-	-	\$ 15,950,000
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	1,650,000	200,000	200,000	\$ 2,050,000



PROJECT NO: W2302
PROJECT TITLE: New Elevated Water Storage Tank
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 4,400,000	\$ 600,000	\$ -	\$ -	\$ 5,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 4,400,000	\$ 600,000	\$ -	\$ -	\$ 5,000,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Downtown Pressure Zone
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2026
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 5,000,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 5,000,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 5,000,000
TOTAL PROJECT COST		\$ 5,000,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
In order to provide better fire flow, water quality and more storage in the water system, a new, elevated storage tank is proposed within our 'Downtown Pressure Zone'. Our recently completed water model has shown system improvements and the ability to remove aging assets from the system in favor of the new tank.	
2024 Update: Possible coordination and co-locating on the Curtis WTP parcel with the addition of PFAS treatment and Laird Tract projects.	

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	-	4,400,000	600,000	-	-	\$ 5,000,000		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,400,000	\$ 600,000	\$ -	\$ -	\$ 5,000,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -



PROJECT NO: W2303
PROJECT TITLE: Water Main Conditions Assessment
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 800,000	\$ 820,000	\$ 840,000	\$ -	\$ -	\$ 2,460,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 800,000	\$ 820,000	\$ 840,000	\$ -	\$ -	\$ 2,460,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	City-Wide
PROJECT PRIORITY:	4 - Medium
This project is a NEED and not a WANT, but no significant risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2026
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 2,460,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 2,460,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 2,460,000
TOTAL PROJECT COST		\$ 2,460,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
In order to better program our Water Main Replacement projects (W9308), this project will assess the conditions of the City's water mains using the latest technology to give the remaining useful life of the existing pipes. Project is slated to be funded in 2024-2026 in order to program main replacement beyond the ARPA and 2018 Referendum funding.	
2024 Update: Vendor will provide multi-year pricing. Current estimate is one time price broken into 3 years.	

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	800,000	820,000	840,000	-	-	\$ 2,460,000		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ 820,000	\$ 840,000	\$ -	\$ -	\$ 2,460,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -



PROJECT NO: W2304
PROJECT TITLE: Lead Water Service Line (LSL)
 Assessment and Remediation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	City-Wide
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2028
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 4,050,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 50,000
% Complete (if underway):	1.2%
Balance to be funded ¹ :	\$ 4,000,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 4,000,000
TOTAL PROJECT COST		\$ 4,000,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
On August 4, 2022, EPA released Guidance for Developing and Maintaining a Service Line Inventory to support water systems with their efforts to develop inventories and to provide states with needed information for oversight and reporting to EPA. The guidance provides essential information to help water systems comply with the Lead and Copper Rule Revisions requirement to prepare and maintain an inventory of service line materials by October 16, 2024.
This project proposes to address the identification and replacement of lead pipe and fittings within our system. A consultant will compile City data along with a systematic approach to identifying possible lead service lines and recommend an approach to replace the identified lines. City-wide sampling as part of the Lead and Copper Rule has not indicated any concern within our water service territory, however, we will need to prepare and inventory possible lead material within our system.
\$50,000 in ARPA funding is budgeted for 2023 consulting fees. Out year funding could be in the form of federal grants or loans through SRF program. Bipartisan Infrastructure Law funding is being made available to states through this program, however, we expect most of this funding to be directed to known issues throughout the state.
2024 Budget Update: In-house GIS Team has created a customer survey which is linked to our GIS program to identify and gather information on the service line materials in each home. Customers will then be entered into a lottery for free water for a year, up to \$1,000. They will have 4 chances to win based on when they complete the survey. Funding amounts needed will be based on survey response rates and results. Lead Service Line Replacement funds through the State Revolving Funds have all been approved for 0% interest loans along with potential loan forgiveness. Funding has been moved to SRF line and is placeholder until the extents of any lead service lines are known.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	1,000,000	1,000,000	1,000,000	1,000,000	\$ 4,000,000
AMERICAN RESCUE PLAN ACT	50,000	-	50,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 50,000	\$ -	\$ 50,000	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W2201
PROJECT TITLE: Water Facilities Security Improvements
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2026
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 400,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 100,000
% Complete (if underway):	25.0%
Balance to be funded ¹ :	\$ 300,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 300,000
TOTAL PROJECT COST		\$ 300,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Remote water facilities, including booster stations, storage tanks and treatment plants all require security fencing and signage per federal and state regulations. Remote gate management and camera installations are also being considered as part of the security upgrades.	
2024 Update:	
2023 funding will address South Well Field and Louviers Tank. 2024 funding to address New London Tank and enhanced signage at all facilities. Cameras also included, IT has provided pricing.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	100,000	100,000	100,000	-	-	\$ 300,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	100,000	-	100,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 300,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W2203
PROJECT TITLE: Well and Wellhouse Facility Upgrades
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2024
Est. Useful Life (in years):	20+
Est. Total Cost:	\$ 300,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 300,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 300,000
TOTAL PROJECT COST		\$ 300,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Roof and siding where needed on various pump houses. Only upgrade existing where necessary.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	300,000	-	-	-	-	\$ 300,000
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT:					INCREMENTAL COSTS (NET SAVINGS)					
					-	-	-	-	-	\$ -



PROJECT NO: W2204
PROJECT TITLE: Curtis WTP - Treatment Units 4/5 Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 600,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 600,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The Curtis Water Treatment Plant (CWTP) treats raw water from the White Clay Creek and Newark Reservoir and provides, on average, 60% of the water to the City each day. There are 5 treatment units. Each unit is nearly 30 years old and has been in service for nearly 15 years. Similar repairs were made to Units 1, 2 and 3 in 2013. Temporary repairs were made in 2020, however, full repair or replacement is necessary to run the plant at full capacity. Additional upgrades to extend the life of the units and associated piping can also be made under this project, including effluent meters and condensation blocking coatings to piping. With the South Well Field WTP back online, we are confident we could take the units offline and continue to treat enough water during the repairs. Budget Amendment (13): Please be advised that Council approved Budget Amendment, item 8-A on 3/27/2023 to move \$250,000 in 2023 ARPA funding from Project: W9308 to Project: W2204. 2024 Update: This project was bid and awarded in early 2023. Work is expected to be completed in Summer 2023.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	600,000	-	600,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 600,000	\$ -	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W2205
PROJECT TITLE: Curtis WTP - Raceway and Backwash Lagoon Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 2,050,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 550,000
% Complete (if underway):	26.8%
Balance to be funded ¹ :	\$ 1,500,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 1,500,000
TOTAL PROJECT COST		\$ 1,500,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project would restore capacity and settling capability in our raceway, which is the feed for all water treated at our Curtis Water Treatment Plant, including the fill water for the Newark Reservoir. The raceway currently overflows and limits capacity to get water to treatment plant. There will be an environmental permitting public outreach exercise due to it's proximity to the White Clay Creek and the appearance that it is not man-made. This raceway was constructed in order to bring water to the Curtis Paper Mill over 100 years ago. 2024 Update: Plans and Specs are being developed for Pond Dredging. Work is expected to be completed by end of 2023. Raceway dredging and repairs will take place in 2024 or 2025 depending on how we configure the Laird Tract Wells.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	1,500,000	-	-	-	\$ 1,500,000
AMERICAN RESCUE PLAN ACT	550,000	-	550,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 550,000	\$ -	\$ 550,000	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W2206
PROJECT TITLE: Emerging Contaminants WTP Upgrades
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 1,310,000	\$ -	\$ -	\$ -	\$ -	\$ 1,310,000
2024-2028 Funding:	\$ 1,310,000	\$ -	\$ -	\$ -	\$ -	\$ 1,310,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	SWF WTP
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2024
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 4,400,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 3,090,000
% Complete (if underway):	70.2%
Balance to be funded ¹ :	\$ 1,310,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 1,310,000
TOTAL PROJECT COST		\$ 1,310,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
New Federal and State guidelines are expected to be adopted as regulations in early 2023, requiring additional treatment of our water at the South Well Field Water Treatment Plant. Recent upgrades at the WTP were completed with the possibility of this treatment coming online in the future. Treatment would add additional long term stability to our water supply.
Bipartisan Infrastructure Law funding from the SRF was approved at roughly \$1,590,000 in grant funding. This would not need to be repaid. The balance of approximately \$2,810,000 will be made available through a low interest loan from the state revolving loan fund.
Project was created by budget amendment in August 2022 and authorized ARPA funding of \$1.5 million to purchase treatment units and media for delivery in approximately 42 weeks (summer 2023). This will reduce the loan amount needed to \$1,310,000, assuming grant funding to offset the balance as shown.
Project will be completed in 2024. Loan will begin to amortize in 2025.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS SRF	1,590,000	309,112	1,280,888	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	1,310,000	-	-	\$ 1,310,000	1,310,000	-	-	-	-	\$ 1,310,000
AMERICAN RESCUE PLAN ACT	1,491,196	-	1,491,196	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 4,391,196	\$ 309,112	\$ 2,772,084	\$ 1,310,000	\$ 1,310,000	\$ -	\$ -	\$ -	\$ -	\$ 1,310,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W2101
PROJECT TITLE: Evergreen Booster Station Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2021
Est. Completion Date:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 345,840
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 345,480
% Complete (if underway):	99.9%
Balance to be funded ¹ :	\$ 360

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Evergreen Booster Station is a small booster station that supplies fire flow and pressure to the Evergreen development off of New London Road. The station needs to be rehabilitated to extend it's useful life along with additional work required to be fully operational through our SCADA system.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	345,480	-	345,480	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 345,480	\$ -	\$ 345,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W2102
PROJECT TITLE: Highfield Drive Booster Station Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2021
Est. Completion Date:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 200,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 200,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Highfield Drive Booster Station is situated inside a vault located in West Chestnut Hill Road which is difficult to access and maintain. The station needs to be rehabilitated or relocated, including SCADA upgrades. We are currently leaning toward rehabilitation as any relocation would likely require an easement or property acquisition.
2023 Update: Funding has been moved from Current Resources to ARPA.
Budget Amendment (6): Please be advised that there was a Budget Amendment, Approved by City Manager through an email correspondence from 2/6/23, that moves \$100,000 in 2023 ARPA funding from W2102 to W8605.
2024 Update: Communication with neighboring property may allow us to eliminate the need for a booster station if we can connect to the outlet of the Arbour Park Booster station.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	200,000	-	200,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: W2103
PROJECT TITLE: New London Water Tank Chlorination
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	New London Road
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2021
Est. Completion Date:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 308,825
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 26,635
% Complete (if underway):	8.6%
Balance to be funded ¹ :	\$ 282,190

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project will provide a permanent solution to maintain chlorine residual levels in the areas served by the New London Water Storage Tank. Chlorine residual levels are set by state and federal requirements. Work began on this project in 2021 and through 75% design plans, estimates are higher than expected. Increasing by \$100,000 to account for these estimates. 2023 Update: Construction is underway and the project is expected to be completed in 2023.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(7,190)	-	-	\$ (7,190)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	33,825	-	26,635	\$ 7,190	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 26,635	\$ -	\$ 26,635	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: W2104
PROJECT TITLE: Cleveland Avenue Water Adjustments
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Not Applicable

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2021
Est. Completion Date:	2023
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 63,858
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 63,858
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 63,858
TOTAL PROJECT COST		\$ 63,858

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
DeIDOT is currently planning to install drainage for portions of Cleveland Avenue ahead of the full paving and rehabilitation between Chapel Street and New London Road. There are several known conflicts between the proposed drainage and the City's water mains, water services, and fire hydrant leads, which will need to be adjusted during the installation of the storm sewer. DeIDOT's contractor will complete this work and Newark will reimburse DeIDOT for any necessary adjustments. The work is planned to begin in Summer 2021, completion in Fall 2023. Prior Authorized funding for these improvements are transferred from CIP W1901 - Main Street Water Main Improvements, which were completed under budget in 2019-2020. Please note, in 2021 \$33,858 in prior authorized reserves was transferred from W1901 to W2104.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	63,858	-	63,858	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 63,858	\$ -	\$ 63,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W2001
PROJECT TITLE: Newark Reservoir Upgrades
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Newark Reservoir
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2020
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 1,650,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 50,000
% Complete (if underway):	3.0%
Balance to be funded ¹ :	\$ 1,600,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 1,600,000
TOTAL PROJECT COST		\$ 1,600,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The Newark Reservoir has been in use since 2008 and there are upgrades and changes necessary to continue operations. Among the work contemplated for this project include:
Rehabilitation of the 'moat' area that surrounds the reservoir and moves water from the Tower to the wetlands bench on the north end of the reservoir. This includes replacing rock protection and pest deterrents that have degraded over the years.
Replacement of the wetland bench on the north end to restore and enhance the filtering capabilities.
The original design for the reservoir called for a concrete liner or armor on the interior of the reservoir. This was omitted during the construction phase of the project. In times of drought, if the reservoir was to be used below the existing armor, special considerations would need to be followed during refill in order to keep the liner intact. This project would evaluate alternatives for placing the armor.
Many recreational uses and operational needs have been realized at the reservoir property since it's opening and this has changed the vegetative and facility needs, this project would allow us to do a comprehensive review for possible future uses.
2023 Funding includes 50/50 Planning Grant through SRF Program.
2024 Update: \$100,000 to address current needs on the moat, swale, banks, and headworks. \$1,500,000 for 2025 liner extension.
**Please note, the 2023 Prior Authorized WIAC Grant Funding of \$50,000 was not received and therefore will not be spent.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	100,000	1,500,000	-	-	-	\$ 1,600,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS WIAC	50,000	-	-	\$ 50,000	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	50,000	-	50,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 100,000	\$ -	\$ 50,000	\$ 50,000	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,600,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W1701
PROJECT TITLE: Valve Inspection, Exercising and Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000
*Prior Authorized Balance:	\$ 139,180	\$ -	\$ -	\$ -	\$ -	\$ 139,180
2024-2028 Funding:	\$ 139,180	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 539,180

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2017
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	100
Est. Total Cost:	\$ 626,864
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 87,684
% Complete (if underway):	14.0%
Balance to be funded ¹ :	\$ 539,180

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	5295206.9760	\$ 189,180
Other Contracts:	5295206.9960	\$ 350,000
TOTAL PROJECT COST		\$ 539,180

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

According to AWWA, "Each valve should be operated through a full cycle and returned to its normal position on a schedule that is designed to prevent a buildup of tuberculation [rust formation in pipes as a result of corrosion] or other deposits that could render the valve inoperable or prevent a tight shutoff. The interval of time between operations of valves in critical locations or valves subjected to severe operating conditions should be shorter than for other less important installations, but can be whatever time period is found to be satisfactory based on local experience. The number of turns required to complete the operation cycle should be recorded and compared with permanent installation records to ensure that full gate travel (i.e., it can be opened and closed) is maintained".

2022 Update:

We have received bids and awarded the contract. The valve work can be completed for approximately \$50,000 per year for 3 years. Repairs are still unknown, but we have removed the funding from 2024 at this point.

2023 Update:

Contract underway for all valves in City and will be 2/3 complete in 2022. Anticipate contract to be completed in Spring 2023. Prior authorized funding to be used in 2023 for valve repair based on findings from the maintenance program, removing Current Resources from 2023. Out years funding for additional repairs identified in the maintenance program.

2024 Update:

Valves to be completed in 2023. Identified repairs to be addressed in 2024 with additional funding.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	100,000	100,000	100,000	100,000	\$ 400,000
CAPITAL RESERVES	226,864	-	87,684	\$ 139,180	139,180	-	-	-	-	\$ 139,180
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 226,864	\$ -	\$ 87,684	\$ 139,180	\$ 139,180	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 539,180
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT:										
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W1702
PROJECT TITLE: Source Water Protection

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 100,000
*Prior Authorized Balance:	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
2024-2028 Funding:	\$ 50,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	White Clay Creek Watershed
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2017
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 150,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 150,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 150,000
TOTAL PROJECT COST		\$ 150,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will fund source water protection efforts in the White Clay Creek watershed, upstream from our surface water intake at the Curtis Water Treatment Plant. The goal for these projects is to reduce risk of contamination from both point and non-point source pollution sources. Additionally, projects may also seek to reduce bacterial, nutrient, and sediment loading in the creek which will improve water quality, improving treatment efficiency, while reducing electrical and chemical costs slowly over time. As an added benefit, in addition to source water protection, we are also in discussions with DNREC to allow the efforts from these projects to be included in our NPDES Permit compliance reporting, which would benefit the Stormwater Utility.

Previously, projects of this sort have been funded on an ad-hoc basis using operating funding when available. In order to realize a benefit, this will require a long term commitment allowing community partners with leveraging funding a reliable matching funding source. Additionally, the PWWR Department is working with the UD Water Resources Agency and the Nature Conservancy with funding from the William Penn Foundation to develop the Brandywine-Christina Healthy Water Fund (Fund). The goal of this fund is to implement a funding mechanism and science-based investment protocol to restore the Brandywine-Christina watershed to fishable, swimmable, and potable status within 10 years. A water fund is a mechanism for downstream beneficiaries to invest in upstream conservation measures designed to secure freshwater resources – both quality and quantity. Our funding would be leveraged to access other funding sources, multiplying our impact. Moving forward there will be a consistent source of projects, prioritized by their cost effectiveness at achieving the fishable, swimmable, and potable goal. A pilot project for this fund was completed in 2017 and the results have been positive so far.

2024 Update:

No need for additional funding at the moment. Water Fund is slow moving and can be funded through stormwater.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	30,000	-	-	\$ 30,000	-	25,000	25,000	25,000	25,000	\$ 100,000
CAPITAL RESERVES	20,000	-	-	\$ 20,000	50,000	-	-	-	-	\$ 50,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 50,000	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 150,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W1703
PROJECT TITLE: Laird Tract Well Field Restoration
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 1,636,032	\$ -	\$ -	\$ -	\$ -	\$ 1,636,032
2024-2028 Funding:	\$ 1,636,032	\$ -	\$ -	\$ -	\$ -	\$ 1,636,032

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Curtis Water Treatment Plant
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2017
Est. Completion Date:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 2,025,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 388,968
% Complete (if underway):	19.2%
Balance to be funded ¹ :	\$ 1,636,032

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

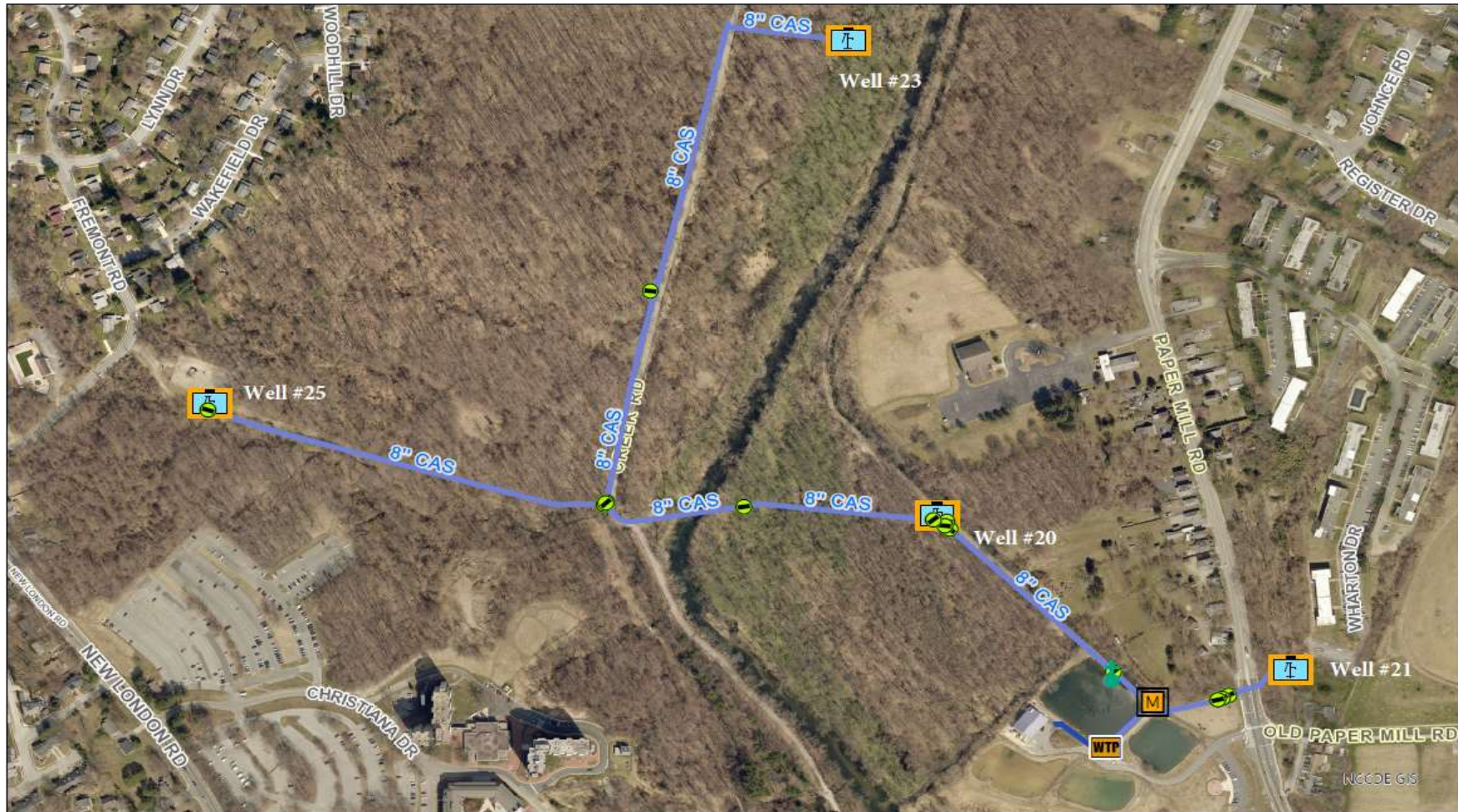
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9960	\$ 1,636,032
TOTAL PROJECT COST		\$ 1,636,032

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
REFERENDUM PROJECT This project will fund the design and construction of a new drinking water treatment plant or supply configuration changes necessary for the reliable supply for the existing Newark Water Treatment Plant (NWTP), capable of processing the existing public supply wells in the City's Laird Tract Well Field (LTWF). The wells, installed in 1971 (Wells 23 & 25) and 1990 (Well 20 & 21), pumped groundwater directly into the system with no filtration; however, increased drinking water regulations and the City's commitment to providing high quality drinking water, the Laird well water is no longer adequate for direct distribution. Specifically, the water quality of the wells consists of elevated levels of iron, manganese, and hydrogen sulfide, none of which present a risk to human health but do result in poor aesthetics (i.e. taste, color, odor). The reintroduction of the LTWF wells would provide the City with up to 1.5 million gallons per day, which becomes more important in times of drought, when we would be able to continue to draw up to 1.5 mgd when our creek passby requirements are not being met and our surface water intake is shut down. Alternatives include additional feeds that would introduce well water to the Newark Reservoir, which can have nutrient problems due to pumping of nutrient rich water from our surface water intake. The wells located in, or adjacent to, the protected lands of the White Clay Creek State Park provide the City a reliable long-term water supply solution. The parkland surrounding the LTWF is in direct contrast to the City's South Well Field Treatment Plant (SWF) where the land use is predominantly commercial/industrial resulting in higher risk of contamination. We have recieved a Planning Grant in the amount of \$50,000 to begin the preliminary well investigations and the results look promising. The design could be completed in late 2022 with construction underway in early 2024.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(33,968)	-	-	\$ (33,968)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS PPA and Planning Grants	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	1,925,000	-	255,000	\$ 1,670,000	1,636,032	-	-	-	-	\$ 1,636,032
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,891,032	\$ -	\$ 255,000	\$ 1,636,032	\$ 1,636,032	\$ -	\$ -	\$ -	\$ -	\$ 1,636,032
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -

W1703: Laird Tract Well Field Restoration
Supporting Documentation - Page 1
 Reservoir Area





PROJECT NO: W1601
PROJECT TITLE: Backup Generation at Water Facilities
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 100,000	\$ 125,000	\$ -	\$ -	\$ -	\$ 225,000
*Prior Authorized Balance:	\$ 32,631	\$ -	\$ -	\$ -	\$ -	\$ 32,631
2024-2028 Funding:	\$ 132,631	\$ 125,000	\$ -	\$ -	\$ -	\$ 257,631

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Well 17 and Northwest Booster
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2016
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 399,415
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 141,784
% Complete (if underway):	35.5%
Balance to be funded ¹ :	\$ 257,631

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9760	\$ 257,631
TOTAL PROJECT COST		\$ 257,631

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Backup power generation is necessary at our water facilities in order to maintain uninterrupted service throughout the City. As we upgrade stations and wells, we add backup generation and we identify critical components that require backup power in order to keep other facilities running, for example a water treatment plant cannot run without the wells that supply it, therefore, it is critical to have power at the wells and treatment plant. We have been successful obtaining grants from FEMA for these purposes and we will continue to pursue these opportunities.
2023 Update: Upgrade CWTP, SWF (need new), Evergreen, Paper Mill Road. Added \$25,000 annually due to local match necessary to receive grants. Potential for in kind services performed by City staff originally was not allowed by grant, but the rules have been relaxed. Total updated, estimated cost for backup power for a well is \$125,000 per location.
Mark's priority: SWF - may be completed under SRF loan during PFAS project. PMR Booster -Existing generator to be replaced. Evergreen - Existing to be replaced. Curtis - Existing to be replaced. Do not have confirmation that replacement is covered under grants through DEMA.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	25,000	-	-	\$ 25,000	-	25,000	-	-	-	\$ 25,000
CAPITAL RESERVES	7,631	-	-	\$ 7,631	32,631	-	-	-	-	\$ 32,631
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS FEMA Pre-Disaster Mitigation Grant	100,000	-	100,000	\$ -	100,000	100,000	-	-	-	\$ 200,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 132,631	\$ -	\$ 100,000	\$ 32,631	\$ 132,631	\$ 125,000	\$ -	\$ -	\$ -	\$ 257,631
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					2,000	2,000	2,000	2,000	2,000	\$ 10,000



PROJECT NO: W1602
PROJECT TITLE: Roseville Park Pressure District
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000
*Prior Authorized Balance:	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000
2024-2028 Funding:	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Roseville Park and Delaplane Manor
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2016
Est. Completion Date:	2024
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 325,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 325,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9760	\$ 325,000
TOTAL PROJECT COST		\$ 325,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The higher elevation areas of Roseville Park and Delaplane Manor subdivisions have very low water pressure and little fire protection water flows, often losing pressure entirely when a hydrant downhill is opened creating potential for backflows and excessive water discoloration. A consultant will be used to put together a bid package for this project.
January 2022 Budget Amendment added \$125,000 in 2023 ARPA funding.
See new ARPA Request that shows \$325,000 estimate for booster station on park property.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	125,000	-	-	\$ 125,000	325,000	-	-	-	-	\$ 325,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 125,000	\$ -	\$ -	\$ 125,000	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					2,500	2,500	2,500	2,500	2,500	\$ 12,500



PROJECT NO: W1503
PROJECT TITLE: Academy Street Interconnection Pump
Station
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Academy Street and Waterworks Lane
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2015
Est. Completion Date:	2024
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 300,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 300,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	5295206.9760	\$ 300,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 300,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The City of Newark's drinking water currently comes from one of three sources, the Newark Water Treatment Plant (NWTP), South Well Field (SWF), and interconnections with Suez (formerly United Water) and Artesian Water Companies. If we were to have a long term outage at the NWTP (plant maintenance or failure resulting in NWTP being fully or partially offline for several days), SWF will be unable to keep up with demand, requiring the purchase of water from either Suez or Artesian. NWTP can typically keep up with demand if SWF were to be out of service but may require water purchases if the SWF were to fail during the peak season. Our last need to purchase water was in 2014, during which the old pumps at the interconnection failed, requiring significant repairs. Our interconnection with Suez, located at the intersection of Academy Street and Waterworks Lane, is the existing interconnection location best suited to serve as the backup supply for the NWTP. This project scope was modified in 2017 and beyond due to the relocation of the interconnection because of a relocation of the Suez water interconnection location to the south side of the railroad tracks due to the construction of the new Newark Train Station. The new location features standpipes and valves to which we will connect a portable pump on a temporary basis if the need for water purchases arises. We have an on-call availability agreement with a pump manufacturer to be able to have this interconnection up and running within 24 hours. The planning for the out years contemplates a permanent building and pumps or self contained pump package similar to recent upgrades at the Northwest Booster Station and the Arbour Park Booster Station. Funding is also needed for the eventual decommissioning and repurposing of the existing pump building on Academy Street and Waterworks Lane. It is adjacent to Lewis Park and the James F. Hall Trail, which positions it well for some type of concession, bathroom facility, or rest area. This funding would be beyond the scope of the current CIP.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	300,000	-	-	-	-	\$ 300,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT:										
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W1402
PROJECT TITLE: Air Stripper Replacement - South Well
Field
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	South Well Field Treatment Plant
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2014
Est. Completion Date:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 4,030,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 4,030,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
REFERENDUM PROJECT The current air stripper has been in service for approximately 15 years running 24/7 and is likely nearing the end of it's service life. The system is very difficult to maintain due to its location on top of the raw water tank. Although effective at removing the harmful contaminants in the groundwater, it is unable to adequately treat all of the available source water (wells 14r and 16) resulting in these wells sitting idle. Furthermore, because there is no redundancy in the treatment process if the air stripper were to fail the South Well Field Treatment Plant (which accounts to roughly 40% of the City's water production) would need to be shut down. The 2018 Referendum included this project to utilize the State Revolving Loan in order to complete the design and construction. As part of the planning process for the referendum, our consultant, AECOM, reviewed the process upgrades necessary and has recommended several new configuration possibilities at the SWFTP that would incorporate the air stripping requirements as well as removal or rehabilitation of the lead-coated storage tanks at the site. Project was substantially complete in 2021. \$1mm supplemental loan approved and closed in 2021 to cover the total cost of the project and bringing the full SRF Loan amount to \$4mm. \$1mm removed from W9308 SRF loan.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	46,634	-	46,634	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	87,401	-	87,401	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 134,035	\$ -	\$ 134,035	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W1303
PROJECT TITLE: Water System Master Plan
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2013
Est. Completion Date:	2023
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 50,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 50,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
This project will build off the water distribution system hydraulic computer model developed in 2016. The current solution models the system under a "snap shot" scenario; meaning, the system is analyzed using a specific tank levels and system demand. This project will utilize the newly collected SCADA data to develop a more sophisticated extended period simulation which will model the diurnal demand and pressure fluctuation throughout the system. The specific simulation will allow the department to more accurately estimate scenarios; such as, predicted fire flow capacity, develop unidirectional flushing plans and prioritize pipe lining and replacement locations.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	45,740	-	45,740	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 45,740	\$ -	\$ 45,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: W0503
PROJECT TITLE: Well Restoration Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
*Prior Authorized Balance:	\$ 148,051	\$ -	\$ -	\$ -	\$ -	\$ 148,051
2024-2028 Funding:	\$ 148,051	\$ 100,000	\$ -	\$ -	\$ -	\$ 248,051

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2005
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	5
Est. Total Cost:	\$ 320,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 71,949
% Complete (if underway):	22.5%
Balance to be funded ¹ :	\$ 248,051

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	5295206.9760	\$ 248,051
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 248,051

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Restore and/or redevelop production wells to maintain expected production.
2023 funding to rehabilitate or redrill Well 11, which is currently idled due to a collapsed well casing. Project may require the re-drilling of the well nearby. \$100,000 estimate.
2024 Update: State may agree to turn on Well 16, but nearly \$100,000 in repairs needed to bring online. Waiting for SWF PFAS Treatment to be complete. Well 16 may be treatable with GAC.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	64,000	-	-	\$ 64,000	-	100,000	-	-	-	\$ 100,000
CAPITAL RESERVES	30,616	-	3,565	\$ 27,051	91,051	-	-	-	-	\$ 91,051
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	57,000	-	-	\$ 57,000	57,000	-	-	-	-	\$ 57,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 151,616	\$ -	\$ 3,565	\$ 148,051	\$ 148,051	\$ 100,000	\$ -	\$ -	\$ -	\$ 248,051
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: W9302
PROJECT TITLE: Water SCADA System

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	1993
Est. Completion Date:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 554,493
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 554,493
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
REFERENDUM PROJECT Development of a SCADA System for the PWWR Department will allow us to more efficiently and effectively manage and monitor the utilities. We currently have four water plant operator positions that work three shifts per day, every day of the year. With a SCADA System, we will significantly reduce the need to drive to each facility at least once per shift. This will also free up time for the operators to perform routine preventative maintenance tasks that are currently either contracted out or not completed at all. Management staff will also be able to monitor system data and performance to assist the planning of capital spending and recommend operational efficiencies. After a thorough search, the City in 2016 selected a new integrator experienced in the water and wastewater industry to provide a turn-key product. Our integrator, ACS, is currently working on the implementation of all of the water facilities, including assisting in the rehabilitation of the Curtis Water Treatment Plant. \$6,000 was added in 2019 in order to recognize the capitalized interest payments for debt service for the State Revolving Loan. Referendum Funding approved at \$550,000 over 2 years. \$33,825 of SRL funding removed 01/24/22 per Council Agenda Item 7-A. Balance to be spent in 2022.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(68,802)	-	-	\$ (68,802)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	72,558	-	3,756	\$ 68,802	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 3,756	\$ -	\$ 3,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					1,500	1,500	1,500	1,500	1,500	\$ 7,500



PROJECT NO: W9308
PROJECT TITLE: Water Main Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 1,073,992	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 9,073,992
*Prior Authorized Balance:	\$ 1,251,008	\$ -	\$ -	\$ -	\$ -	\$ 1,251,008
2024-2028 Funding:	\$ 2,325,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,325,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	1993
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	75+
Est. Total Cost:	\$ 11,030,550
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 705,550
% Complete (if underway):	6.4%
Balance to be funded ¹ :	\$ 10,325,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

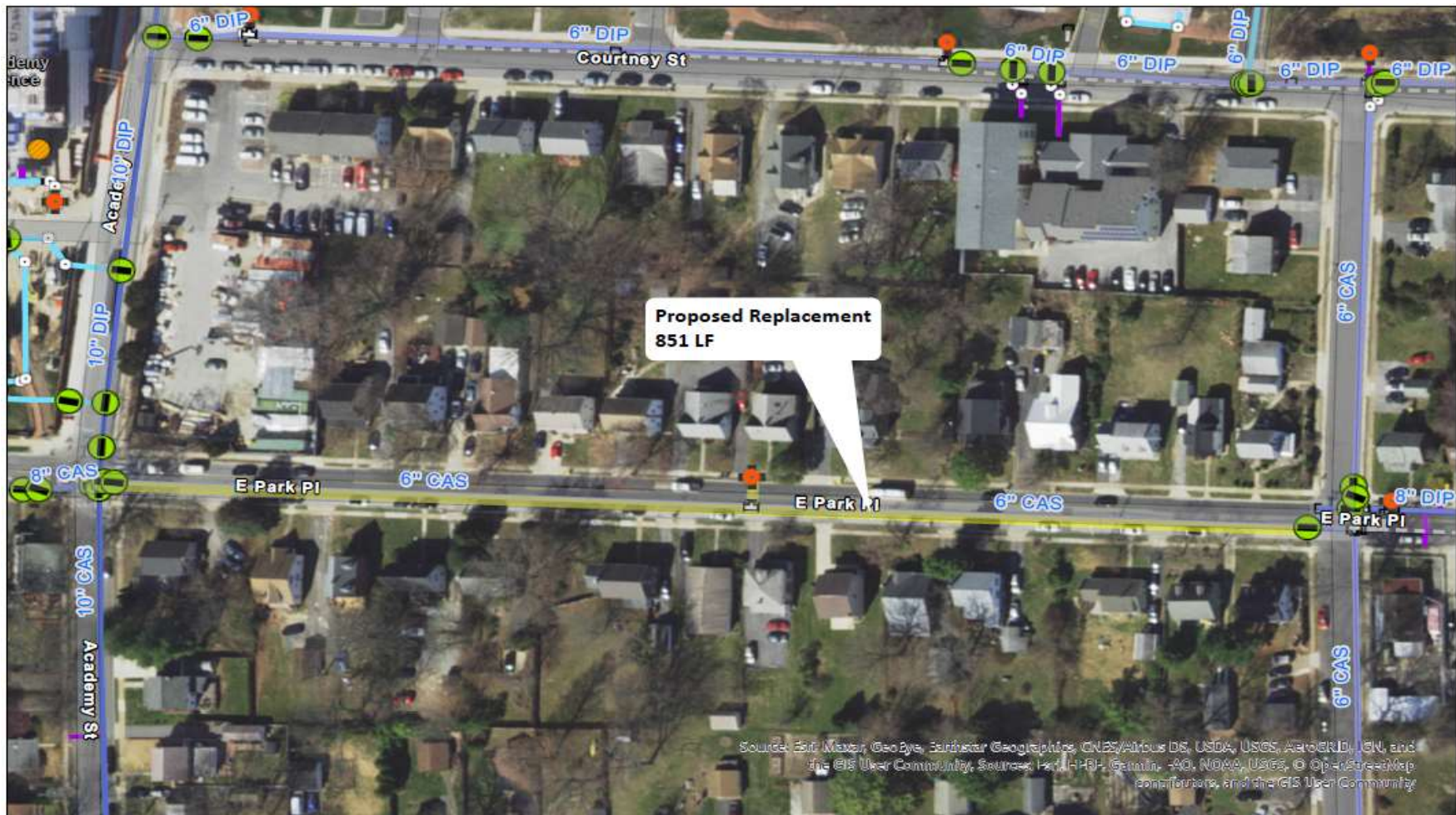
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9760	\$ 10,325,000
TOTAL PROJECT COST		\$ 10,325,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Ductile and cast iron water mains have an expected lifespan of between 75 and 100 years and make up over 95% of our distribution network. There are a large number of water mains in Newark's system that are either approaching the end of their expected lifespan or have experienced a higher than normal rate of failure (main breaks). In order to properly replace mains with a 100 year lifespan, we should be replacing 1% per year, assuming an even distribution of pipe age. Estimated pricing for replacement of 6" water main was \$240 per foot which means that in order to sustainably manage our distribution network, we should be spending a minimum of \$1,500,000 per year. Although our system was not constructed uniformly over the last 100 years, we use this assumption for budgeting purposes.
This project involves either replacing mains or lining the interior to minimize main breaks, improve water quality, and improve fire flow. We have identified segments to be rehabilitated or replaced over the course of this CIP and intend to evaluate several emerging conditions assessment technologies to help guide the decision process for the segments to address in the out-years.
Total of \$4,000,000 approved by 2018 referendum. \$1,000,000 loan closed in 2019, with work completed in 2020. \$2,000,000 loan closed in 2020 and work scheduled to be awarded in 2021 and completed in 2022. Total referendum spending for this project was reduced to \$3,000,000 due to the needs at South Well Field WTP supplemental \$1mm approved in July 2020. We expect to revisit the need for a referendum for future borrowing in late 2024 for 2025-2029 projects.
2024 Update: Project plans for the balance of ARPA Funding will be out to bid in late summer 2023, with possible construction beginning in late 2023 and stretching through 2024. Plan to consolidate ARPA Funding to complete nearly \$5mm project. Additional funding would be needed to begin plan design for SRF funding of 2025-2028 projects as shown.

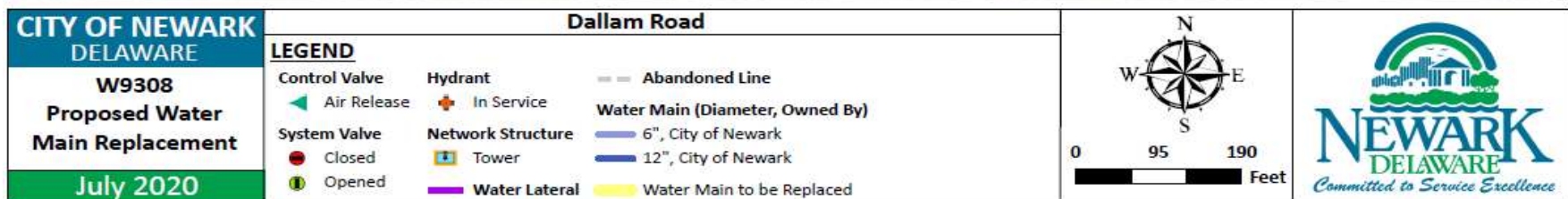
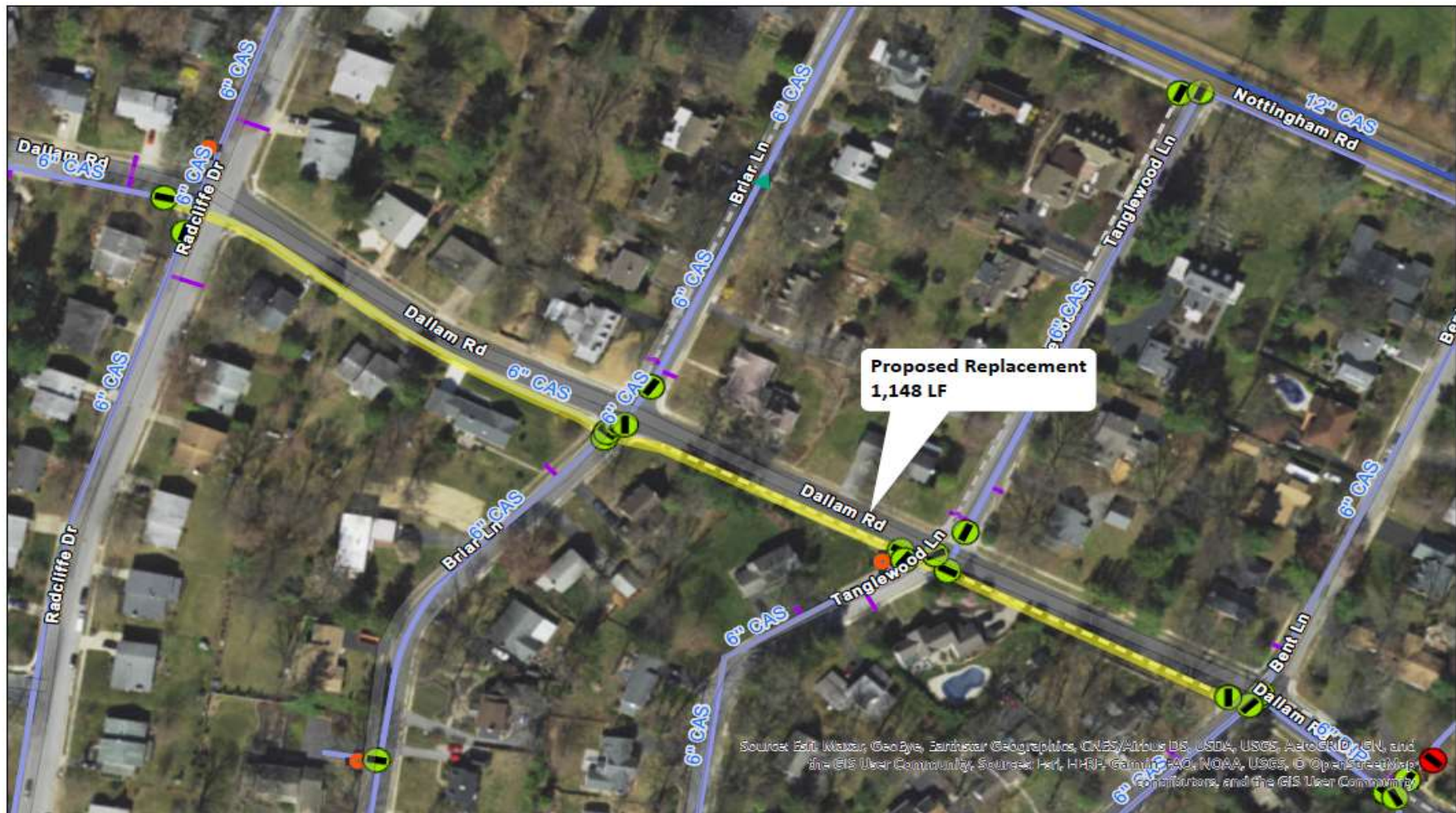
PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	8,480	-	-	-	-	\$ 8,480
CAPITAL RESERVES	(1,296,041)	-	-	\$ (1,296,041)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	1,108,579	-	-	\$ 1,108,579	-	2,000,000	2,000,000	2,000,000	2,000,000	\$ 8,000,000
AMERICAN RESCUE PLAN ACT	2,144,020	35,486	670,064	\$ 1,438,470	2,316,520	-	-	-	-	\$ 2,316,520
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,956,558	\$ 35,486	\$ 670,064	\$ 1,251,008	\$ 2,325,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,325,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -

W9308: Water Main Replacement Program
Supporting Documentation - Page 1
 East Park Place



CITY OF NEWARK DELAWARE W9308 Proposed Water Main Replacement July 2020	East Park Place			 0 70 140 Feet				
	LEGEND <table border="0"> <tr> <td>System Valve ● Opened</td> <td>Fitting ○ Bend ⊕ Tee ⊖ Cap ▲ Reducer ⊗ Cross</td> <td> — Abandoned Line Water Main (Diameter, Owned By) — 6", City of Newark — 8", City of Newark — 10", City of Newark — All sizes, Private or Unknown — Water Main to be Replaced </td> </tr> <tr> <td>Hydrant ⊕ In Service</td> <td>Network Structure ● Other</td> <td>Water Lateral</td> </tr> </table>					System Valve ● Opened	Fitting ○ Bend ⊕ Tee ⊖ Cap ▲ Reducer ⊗ Cross	— Abandoned Line Water Main (Diameter, Owned By) — 6", City of Newark — 8", City of Newark — 10", City of Newark — All sizes, Private or Unknown — Water Main to be Replaced
System Valve ● Opened	Fitting ○ Bend ⊕ Tee ⊖ Cap ▲ Reducer ⊗ Cross	— Abandoned Line Water Main (Diameter, Owned By) — 6", City of Newark — 8", City of Newark — 10", City of Newark — All sizes, Private or Unknown — Water Main to be Replaced						
Hydrant ⊕ In Service	Network Structure ● Other	Water Lateral						

W9308: Water Main Replacement Program
Supporting Documentation - Page 2
Dallam Road



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PROJECT NO: W8605
PROJECT TITLE: Water Tank Maintenance

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 881,000	\$ -	\$ -	\$ -	\$ -	\$ 881,000
2024-2028 Funding:	\$ 881,000	\$ -	\$ -	\$ -	\$ -	\$ 881,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	1986
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 1,993,519
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 1,112,519
% Complete (if underway):	55.8%
Balance to be funded ¹ :	\$ 881,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9760	\$ 881,000
TOTAL PROJECT COST		\$ 881,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
REFERENDUM PROJECT This project will continue the evaluation and rehabilitation of our water tanks in various locations throughout the City. Water Tank surface coatings generally last 15 years. Several of our tanks have lead present in the existing coatings. Lead removal will be required at the next scheduled painting and additional funding has been included to account for additional testing, notification, specification and contract document updates, and safety precautions. <u>Future CIP</u> 2030 - Windy Hills Tank (300,000 gallon elevated tank) - \$900,000, last painted in 2015 2031 - Concrete Tank (3,200,000 gallon ground tank) - \$550,000, last painted in 2015 2032 - Louviers Tank (1,000,000 gallon elevated tank) - \$750,000, last painted in 2016 We are approved for up to \$2,250,000 from the SRF with \$674,112 in loan forgiveness at project completion. Revised the funding in each project year to reflect the loan closing in 2019. <u>Total Loan - \$2,250,000</u> 2024 Update: SWF Tank - \$369,000 (Complete) Arbour Tank Rehab - \$600,000 (Bids due October 2023) Windy Hills Repair - \$100,000 (Complete not on loan) Louviers Repair - \$400,000 (Bids Due October 2023) New London Rehab and Painting - \$300,000 (Bids Due October 2023) Total: Roughly \$1,669,000 <u>Budget Amendment (6):</u> Please be advised that there was a Budget Amendment, approved by City Manager through an email correspondence from 2/6/23, that moves \$100,000 in 2023 ARPA funding from W2102 to W8605. *Bid process did not match SRF requirements due to value <\$100,000.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(1,555)	-	-	\$ (1,555)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS Drinking Water	14,144	-	14,144	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	1,880,930	78,800	919,575	\$ 882,555	881,000	-	-	-	-	\$ 881,000
AMERICAN RESCUE PLAN ACT	100,000	-	100,000	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,993,519	\$ 78,800	\$ 1,033,719	\$ 881,000	\$ 881,000	\$ -	\$ -	\$ -	\$ -	\$ 881,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: WEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 35,000	\$ 135,000	\$ 65,000	\$ 600,000	\$ 835,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 35,000	\$ 135,000	\$ 65,000	\$ 600,000	\$ 835,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Water
FUND:	Water
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 860,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 25,000
% Complete (if underway):	2.9%
Balance to be funded ¹ :	\$ 835,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5295206.9623	\$ 835,000
TOTAL PROJECT COST		\$ 835,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	13,509	73,886	34,488	281,872	\$ 403,755		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	25,000	-	25,000	\$ -	-	21,491	61,114	30,512	318,128	\$ 431,245		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ 35,000	\$ 135,000	\$ 65,000	\$ 600,000	\$ 835,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -

WATER AND WASTEWATER UTILITIES

b. This vehicle will not be replaced.

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	LEASE PAYMENT SCHEDULE				
							2024	2025	2026	2027	2028
207	<u>STAFF VEHICLES</u> 2021 International Hv507 SFA Dump Truck 4x2	01/15/21	175,965	2027	2028	5					300,000
211	<u>PICK-UPS & VANS</u> 2009 Ford F250 Pickup Truck, Supercab	a. 06/05/09	25,267	2019	2023	5					
224	2012 Ford F250 Pickup Truck	a. 10/25/12	37,999	2022	2023	5					
299	2013 Ford F150 Pickup Truck, Ext. Cab	a. 06/28/13	19,541	2023	2023	5					
209	<u>OTHER EQUIPMENT</u> 2010 Vermeer 555SDT Air/Water Vacuum	a. 07/02/10	128,414	2023	2023	5					

a. This vehicle is scheduled to be replaced in 2023.



**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
SEWER DIVISION**

2024 OPERATING EXPENDITURES

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Sewer Fund - Public Works and Water Resources Department - Sewer Division

Summary:

* as amended

** as proposed

SEWER DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>REVENUES</u>								
Sewer Service Charge	\$ 7,371,745	\$ 6,690,813	\$ 7,466,619	\$ 7,578,414	\$ 8,007,895	\$ 8,352,000	\$ 344,105	4.3%
Penalties	26,647	11,869	24,683	23,772	22,000	24,000	2,000	9.1%
Service Fees	16,126	41,744	10,780	26,844	18,500	19,100	600	3.2%
Other Revenues	696	378	235	1,353	400	400	-	0.0%
Interest Revenue	41,788	53,286	53,650	40,014	40,000	60,000	20,000	50.0%
Subtotal	\$ 7,457,002	\$ 6,798,090	\$ 7,555,967	\$ 7,670,397	\$ 8,088,795	\$ 8,455,500	\$ 366,705	4.5%
Less: County Sewer Charge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gross Operating Revenue	\$ 7,457,002	\$ 6,798,090	\$ 7,555,967	\$ 7,670,397	\$ 8,088,795	\$ 8,455,500	\$ 366,705	4.5%
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 370,996	\$ 512,582	\$ 11,980	\$ 274,607	\$ 420,899	\$ 442,742	\$ 21,843	5.2%
Utility Purchases	5,350,831	4,695,293	4,977,881	5,022,689	5,200,000	5,400,000	200,000	3.8%
Materials & Supplies	20,927	23,810	22,059	39,876	36,700	50,500	13,800	37.6%
Contractual Services	278,808	232,159	293,219	293,442	353,044	377,388	24,344	6.9%
Other Charges	42,636	44,455	49,788	68,456	322,356	335,339	12,983	4.0%
Subtotal	\$ 6,064,198	\$ 5,508,299	\$ 5,354,927	\$ 5,699,070	\$ 6,332,999	\$ 6,605,969	\$ 272,970	4.3%
Inter-Dept. Charges	361,261	371,838	347,348	346,165	478,054	482,396	4,342	0.9%
Total Operating Expenses	\$ 6,425,459	\$ 5,880,137	\$ 5,702,275	\$ 6,045,235	\$ 6,811,053	\$ 7,088,365	\$ 277,312	4.1%
Net Operating Margin (Before Capital Costs)	\$ 1,031,543	\$ 917,953	\$ 1,853,692	\$ 1,625,162	\$ 1,277,742	\$ 1,367,135	\$ 89,393	7.0%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Sewer Fund - Public Works and Water Resources Department - Sewer Division

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5395302	6030	Engineering/Technical	\$ -	\$ -	\$ -	\$ -	\$ 25,358	\$ 26,103	\$ 745	2.9%
5395302	6050	Information Technology	-	-	-	-	23,131	24,296	1,165	5.0%
5395302	6200	Line Maintenance	218,053	210,293	197,808	170,339	202,709	198,266	(4,443)	-2.2%
5395302	6580	Service Award	1,579	-	-	-	748	813	65	8.7%
5395302	6590	Sick Pay	871	-	-	-	752	1,055	303	40.3%
5395302	6615	Interns	4,973	-	-	-	-	-	-	0.0%
5395302	6620	Overtime	23,900	18,049	39,090	14,634	26,000	26,000	-	0.0%
5395302	6880	Uniform Allowance	2,400	2,250	2,100	1,900	3,080	2,400	(680)	-22.1%
5395302	6885	Device Reimbursement	1,200	1,125	1,025	900	1,200	1,200	-	0.0%
5395302	6920	Unemployment Comp. Ins.	1,223	1,016	1,477	1,218	1,605	588	(1,017)	-63.4%
5395302	6930	Social Security Taxes	18,845	17,284	17,862	13,682	21,430	20,334	(1,096)	-5.1%
5395302	6940	City Pension Plan	32,681	66,504	(126,378)	5,962	3,843	3,475	(368)	-9.6%
5395302	6941	Defined Contribution 401(a) Plan	11,031	14,596	13,715	11,457	16,631	16,295	(336)	-2.0%
5395302	6950	Term Life Insurance	1,210	1,487	1,386	991	1,302	1,220	(82)	-6.3%
5395302	6960	Group Hospitalization Ins.	41,527	27,669	37,168	38,211	79,135	107,265	28,130	35.5%
5395302	6961	Long-Term Disability Ins.	493	610	624	557	328	325	(3)	-0.9%
5395302	6962	Dental Insurance	2,331	1,460	1,964	1,896	3,911	4,806	895	22.9%
5395302	6963	Flexible Spending Account	65	63	58	63	63	-	(63)	-100.0%
5395302	6964	Health Savings Account	750	750	1,813	1,500	1,500	-	(1,500)	-100.0%
5395302	6965	Post-Employment Benefits	3,513	143,927	(183,402)	6,666	840	840	-	0.0%
5395302	6966	Retirement Health Savings Account	4,199	5,406	5,544	4,506	6,439	6,535	96	1.5%
5395302	6967	Emergency Room Reimbursements	-	-	-	-	676	676	-	0.0%
5395302	6968	Vision Insurance Premiums	152	93	126	125	218	250	32	14.7%
TOTAL PERSONNEL SERVICES			\$ 370,996	\$ 512,582	\$ 11,980	\$ 274,607	\$ 420,899	\$ 442,742	\$ 21,843	5.2%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Sewer Fund - Public Works and Water Resources Department - Sewer Division

Expenditures:

* as amended

** as proposed

MATERIALS AND SUPPLIES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **
5395303	7110	Safety Shoes and Supplies	\$ 659	\$ 695	\$ 1,138	\$ 1,583	\$ 1,200	\$ 2,000
5395303	7130	Tools, Field Sup., & Small Eq.	8,967	9,019	5,425	4,955	9,000	21,000
5395303	7255	Vandalism Supplies	-	-	-	-	2,500	2,500
5395303	7260	Line Maintenance	11,634	14,096	15,215	27,537	17,000	17,000
5395303	7270	Station Maintenance	141	-	281	5,801	2,000	3,000
5395303	7271	SCADA System Maintenance Supplies	-	-	-	-	5,000	5,000
5395303	7540	Inventory Adjustment	(474)	-	-	-	-	-
TOTAL MATERIALS & SUPPLIES			\$ 20,927	\$ 23,810	\$ 22,059	\$ 39,876	\$ 36,700	\$ 50,500

\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
\$ 800	66.7%
12,000	133.3%
-	0.0%
-	0.0%
1,000	50.0%
-	0.0%
-	0.0%
\$ 13,800	37.6%

* as amended

** as proposed

CONTRACTUAL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **
5395304	8020	Advertising	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 1,000
5395304	8030	Casualty Insurance	1,888	2,021	4,748	5,840	6,611	5,982
5395304	8031	Insurance - Property	2,173	2,637	2,711	2,985	3,528	4,572
5395304	8032	Insurance - Auto	-	1,673	2,864	2,488	3,744	4,079
5395304	8033	Insurance - Broker	455	459	848	975	973	920
5395304	8035	Insurance - Worker's Compensation	7,930	10,305	10,660	9,570	10,500	10,500
5395304	8040	Merchant Fees and Discounts	79,817	70,105	74,808	66,880	80,000	84,000
5395304	8120	Outside Engineering	36,115	13,233	32,594	23,819	40,000	44,000
5395304	8131	Information Technology Cont'l	38,161	60,227	56,534	61,451	67,778	63,416
5395304	8255	Vandalism Cont'l	-	-	-	-	2,500	2,500
5395304	8260	Line Maintenance	40,430	24,578	50,811	58,577	60,000	60,000
5395304	8265	Easement Clearing	16,050	6,000	9,416	(135)	10,000	10,000
5395304	8270	Station Maintenance	10,452	2,536	17,334	13,552	20,000	25,000
5395304	8271	SCADA System Maintenance Cont'l	-	-	-	-	10,000	10,000
5395304	8312	Fleet & Facilities Services	45,337	38,385	29,891	47,440	35,410	51,419
TOTAL CONTRACTUAL SERVICES			\$ 278,808	\$ 232,159	\$ 293,219	\$ 293,442	\$ 353,044	\$ 377,388

\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
\$ (1,000)	-50.0%
(629)	-9.5%
1,044	29.6%
335	8.9%
(53)	-5.4%
-	0.0%
4,000	5.0%
4,000	10.0%
(4,362)	-6.4%
-	0.0%
-	0.0%
-	0.0%
5,000	25.0%
-	0.0%
16,009	45.2%
\$ 24,344	6.9%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Sewer Fund - Public Works and Water Resources Department - Sewer Division

Expenditures: * as amended ** as proposed

OTHER CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5395305	9002	Subvention - Aetna Hook and Ladder	\$ 3,868	\$ 5,358	\$ 4,488	\$ 4,590	\$ 3,500	\$ 5,000	\$ 1,500	42.9%
5395305	9010	Bad Debt Expense	335	562	3,320	736	976	136	(840)	-86.1%
5395305	9060	Depreciation Expense	37,423	37,175	35,882	44,255	35,880	36,949	1,069	3.0%
5395305	9070	Training & Continuing Educ/Conf	1,010	595	194	470	2,000	4,000	2,000	100.0%
5395305	9162	Debt Serv. Int. - SRL Funded Capital-S0904	-	765	5,904	18,405	280,000	289,254	9,254	3.3%
TOTAL OTHER CHARGES			\$ 42,636	\$ 44,455	\$ 49,788	\$ 68,456	\$ 322,356	\$ 335,339	\$ 12,983	4.0%

INTER-DEPT. CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		Administrative Overhead	\$ 167,984	\$ 127,464	\$ 111,254	\$ 103,795	\$ 135,833	\$ 119,070	\$ (16,763)	-12.3%
		Billings and Accounting	55,541	86,534	81,052	79,476	94,683	100,541	5,858	6.2%
		Electricity	10,400	11,930	10,489	10,264	12,167	11,730	(437)	-3.6%
		Information Technology	58,119	67,051	80,829	83,836	174,352	181,436	7,084	4.1%
		Other Indirect Charges	67,123	77,212	62,437	67,804	59,883	68,789	8,906	14.9%
		Warehousing	2,094	1,647	1,287	990	1,136	830	(306)	-26.9%
TOTAL INTER-DEPT. CHARGES			\$ 361,261	\$ 371,838	\$ 347,348	\$ 346,165	\$ 478,054	\$ 482,396	\$ 4,342	0.9%

OPERATING EXPENSES - SEWER DIVISION			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES			\$ 1,074,628	\$ 1,184,844	\$ 724,394	\$ 1,022,546	\$ 1,611,053	\$ 1,688,365	\$ 77,312	4.8%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
SEWER DIVISION**

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2024-2028
(with current year amended budget)

SEWER FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

						FUNDING SUMMARY						
						2024	2025	2026	2027	2028	Total 5 Year	
New Funding:						\$ 1,000,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 5,675,000	
*Prior Authorized Balance:						\$ 1,136,000	\$ -	\$ -	\$ -	\$ -	\$ 1,136,000	
2024-2028 Funding:						\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000	
						*Prior Authorized Balance includes 2023 carryover funding only.						
PROJECT NUMBER	PROJECT NAME		2023 BUDGET AS AMENDED	-----2024-----	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
S2401	Silverbrook Pump Station Upgrades	B	\$ -	\$	950,000	\$ 50,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
S2201	FOG Program Development	C	75,000		75,000	-	75,000	75,000	-	-	-	150,000
S1602	Sewer SCADA System	D	-		-	-	-	-	-	-	-	-
S1501	Sewer System Master Plan	A	-		-	-	-	-	-	-	-	-
S0904	Sanitary Sewer Study and Repairs	B	1,061,000		1,061,000	-	1,061,000	1,050,000	1,050,000	1,000,000	1,000,000	5,161,000
SEQSF	Equipment Replacement Program	B	-		-	-	-	500,000	-	-	-	500,000
Total Sewer Fund - Sewer Division			\$ 1,136,000	\$	2,086,000	\$ 50,000	\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000
PLANNED FINANCING SOURCES												
GROSS CAPITAL IMPROVEMENTS			\$ 1,136,000	\$	2,086,000	\$ 50,000	\$ 2,136,000	\$ 1,625,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 6,811,000
LESS: USE OF RESERVES			(75,000)		(75,000)	-	(75,000)	-	-	-	-	(75,000)
VEHICLE & EQUIPMENT REPLACEMENT			-		-	-	-	(234,160)	-	-	-	(234,160)
GRANTS			-		(50,000)	-	(50,000)	(50,000)	-	-	-	(150,000)
BOND ISSUES			-		-	-	-	-	-	-	-	-
STATE REVOLVING LOANS			-		(900,000)	-	(900,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(4,900,000)
AMERICAN RESCUE PLAN ACT			(1,261,000)		(1,061,000)	-	(1,061,000)	-	-	-	-	(1,061,000)
OTHER FINANCING SOURCES			-		-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS			\$ (200,000)	\$	-	\$ 50,000	\$ 50,000	\$ 340,840	\$ -	\$ -	\$ -	\$ 390,840

* Justification Codes:
A - Return on Investment
B - Public Safety
C - Community Health
D - Efficiency/Other



PROJECT NO: S2401
PROJECT TITLE: Silverbrook Pump Station Upgrades
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2024
Est. Completion Date:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 1,000,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 1,000,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5395306.9760	\$ 1,000,000
TOTAL PROJECT COST		\$ 1,000,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Upgrade security, functionality, and backup generation at largest pump station in sewer system.	
1. Replacement of generator and fuel source to natural gas.	
2. Safety Upgrades including permanent gas monitoring, confined space entry apparatus, and signage.	
3. Access upgrades including door and activity alarms and video surveillance.	
4. Operational upgrades to include backup pumping and bypass configurations.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	50,000	-	-	-	-	\$ 50,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	50,000	-	-	-	-	\$ 50,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	900,000	-	-	-	-	\$ 900,000
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: S2201
PROJECT TITLE: FOG Program Development
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000
*Prior Authorized Balance:	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
2024-2028 Funding:	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 150,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	City-Wide
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2025
Est. Useful Life (in years):	100
Est. Total Cost:	\$ 150,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 150,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5395306.9760	\$ 150,000
TOTAL PROJECT COST		\$ 150,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Fats, Oils and Grease are a major problem when disposed of in our sanitary sewer system. These materials build up within the pipes and reduce flow capacity, collect other material and ultimately cause backups into homes and businesses. Program development would consist of community outreach, business signage, inspection program and education.	
2023 Update: Reserve funds budgeted in 2022 will be utilized in 2023, additional funding moved to 2024.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	75,000	-	-	-	\$ 75,000
CAPITAL RESERVES	75,000	-	-	\$ 75,000	75,000	-	-	-	-	\$ 75,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 75,000	\$ -	\$ -	\$ -	\$ 150,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: S1602
PROJECT TITLE: Sewer SCADA System

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	Three Sewer Pump Stations
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2016
Est. Completion Date:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 75,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 75,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Development of a SCADA System for the PWWR Department will allow us to more efficiently and effectively manage the utilities. We currently have four water plant operator positions that work three shifts per day, every day of the year. The four operators use a vehicle which has been lasting less than three years before wearing out from excessive mileage and use. With a SCADA System, we will significantly reduce the mileage driven per day due to the need to check all facilities at least once per shift. This will also free up time for the operators to perform routine preventative maintenance tasks that are currently either contracted out or not completed at all.
The radio communications and HMI portions of this project are being handled through the Water SCADA project. Now that they will be in place by 2016 we plan to instrument and bring online one of our three pump station per year for the next three years. This system will allow us to monitor, among other things, pump status, pumping rates, runtimes, flow rates, backup generator fuel levels, generator runtimes, power quality, estimate inflow and infiltration rates during storms, track error codes, and quickly identify problems. Flow rates and characteristics measured at the pump stations will be able to be fed into the sewer capacity model under development to more accurately model pumping effects on system capacity.
Operating budget impact will be a reduction in vehicle fuel cost and wear and tear slightly offset by annual service subscription fees and sensor/equipment maintenance costs. We have conservatively pegged this cost at \$2,000 per station per year in year 1, increasing at 3% in the out years.
Funds were deauthorized from Capital Project S0904 in the amount of \$75,000 to fund Capital Project S1602 for 2018.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	40,165	-	40,165	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 40,165	\$ -	\$ 40,165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: S1501
PROJECT TITLE: Sewer System Master Plan
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2015
Est. Completion Date:	2023
Est. Useful Life (in years):	25+
Est. Total Cost:	\$ 570,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 570,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project continues the effort begun in 2015 to digitally map and model the sanitary sewer system. In 2015, we applied for and were awarded a grant from the Water Infrastructure Advisory Council (WIAC) to survey the sanitary sewer system and create a GIS database. Additionally, flow monitoring was completed in the Cool Run sewer basin, one of our two major sewer basins. In 2016, we applied for and were awarded an additional grant to perform sewer flow monitoring in the White Clay sewer basin. Combining this with the data collected in 2015, we will create a capacity model of the sanitary sewer system. This model will be used to identify areas of limited capacity for targeted replacement, capacity upgrades, and if necessary, temporary development restrictions. The City currently does not have a sanitary sewer model and instead relies on developers to analyze and confirm that adequate capacity exists in our system to accommodate their development. The problem with this method is that it applies an oversize burden on small developments since a very similar level of effort is required whether the project is large or small. We would propose eliminating this requirement of the developers and instead charge a capacity certification fee based on of the average daily flow generated by a development. This fee is similar to a fee charged by the regional wastewater treatment plant and would allow us to be equitably reimbursed by developers for the effort necessary to create and maintain an accurate capacity model while at the same time reducing the engineering cost of developing a plan in the City. Annual maintenance costs have been assumed at zero due to the expectation of the program to be self-funded through fees. 2017 funding is for development of the capital recovery fee structure.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	80,513	-	80,513	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 80,513	\$ -	\$ 80,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -

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PROJECT NO: S0904
PROJECT TITLE: Sanitary Sewer Study and Repairs
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 1,050,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 4,100,000
*Prior Authorized Balance:	\$ 1,061,000	\$ -	\$ -	\$ -	\$ -	\$ 1,061,000
2024-2028 Funding:	\$ 1,061,000	\$ 1,050,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 5,161,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2009
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	50+
Est. Total Cost:	\$ 9,162,810
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 4,001,810
% Complete (if underway):	43.7%
Balance to be funded ¹ :	\$ 5,161,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5395306.9760	\$ 5,161,000
TOTAL PROJECT COST		\$ 5,161,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project affords the continuation of our cleaning and investigation of the condition of the sanitary sewer system and will result in recommendations for repair. To date we have inspected approximately 10 miles of the 95 miles of sanitary sewer main in our system. Using results from 10 miles of inspections we have identified and prioritized approximately \$2,600,000 worth of necessary repairs. To date our inspections have been prioritized based on line size and backup history. As part of the ongoing sanitary sewer master plan project we have completed sanitary sewer flow monitoring in the Christina Basin and the White Clay Basin largely paid for by grant funds through the State Revolving Loan Fund. This flow monitoring will allow us to target inspections on those areas where we are experiencing the most rainfall derived inflow and infiltration (RDII) which is a good indicator of structural damage in pipes (rainfall can get into the pipes through cracks and holes). This will allow for a more targeted, data driven approach to investigations. The flow monitoring has also been used for a capacity model that will allow us to target select lines for capacity increases when performing rehabilitation efforts. 2024 Update: SRF Funding of \$1,800,000 to be used in late 2023 into 2024. ARPA funding to help complete this lining and point repair project. 2025 and beyond to be funded by SRF based on HB58 passing. Funding below needs to be updated based on current contract. Expect lining contract to be started in 2023. 2019 Loan (\$1.3mm) is spent and in payback period. 2021 Loan (\$2.6mm) has had one draw for \$478,206.90 complete. Expect contract to be let for approx. \$2.2mm in fall 2023 to be completed in 2024. Supplemented by ARPA authorized in 2023 (\$1,061,000). \$800,000 to move to W9308 for 2023-2024. Budget Amendment will be introduced with contract award recommendation.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(198,190)	-	-	\$ (198,190)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS WIAC	-	-	-	\$ -	-	50,000	50,000	-	-	\$ 100,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	4,200,000	155,337	3,846,473	\$ 198,190	-	1,000,000	1,000,000	1,000,000	1,000,000	\$ 4,000,000
AMERICAN RESCUE PLAN ACT	1,061,000	-	-	\$ 1,061,000	1,061,000	-	-	-	-	\$ 1,061,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 5,062,810	\$ 155,337	\$ 3,846,473	\$ 1,061,000	\$ 1,061,000	\$ 1,050,000	\$ 1,050,000	\$ 1,000,000	\$ 1,000,000	\$ 5,161,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: SEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 500,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 500,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5395306.9623	\$ 500,000
TOTAL PROJECT COST		\$ 500,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.	
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).	
2024 Update: Vehicle 304 will be replaced in 2023 and we have pivoted back to the truck mounted system based on our ongoing operations. Vehicle 305 can be pushed for another year. We are evaluating the possibility of replacing this unit with a small combination flusher/vacuum truck to better serve the utility. Budget has been updated accordingly.	

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	265,840	-	-	-	\$ 265,840		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	234,160	-	-	-	\$ 234,160		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028
SEWER UTILITY

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	R E P L A C E M E N T C O S T S				
								2024	2025	2026	2027	2028
	<u>STAFF VEHICLES</u>											
305	2017 Western Star 4700SB	10/13/16	234,160	8	2024	2025	234,160		500,000			
	<u>OTHER EQUIPMENT</u>											
333	Trailer Mounted Sewer Pump	07/29/22	74,856	8	2030	2030	74,856					
351	Portable Sewer Crawler Camera (for Vehicle #304)	04/30/22	73,890	10	2032	2032	73,890					
TOTAL SEWER UTILITY				GROSS ACQUISITION COST				\$ -	\$ 500,000	\$ -	\$ -	\$ -
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	(265,840)	-	-	-
				NET EQUIPMENT SINKING FUND TOTAL				\$ -	\$ 234,160	\$ -	\$ -	\$ -

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	L E A S E P A Y M E N T S C H E D U L E				
							2024	2025	2026	2027	2028
	<u>STAFF VEHICLES</u>										
304	2006 Int'l 4300 Jetter Truck	a. 11/11/05	65,346	2023	2023	5					

a. This vehicle is scheduled to be replaced in 2023.



**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
STORMWATER DIVISION**

2024 OPERATING EXPENDITURES

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Stormwater Fund - Public Works and Water Resources Department - Stormwater Division

Summary:

* as amended

** as proposed

STORMWATER DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>REVENUES</u>								
Stormwater Service Fees	\$ 2,355,806	\$ 2,395,636	\$ 2,332,978	\$ 2,545,853	\$ 2,535,000	\$ 2,535,000	\$ -	0.0%
Stormwater Penalties	27,792	7,047	25,807	16,391	15,000	17,500	2,500	16.7%
Stormwater As-Built Review	1,000	825	275	550	-	500	500	0.0%
Sediment & SWM Review Fee	21,701	13,919	9,942	21,204	15,500	15,500	-	0.0%
Sediment & SWM Inspection	11,000	22,647	7,575	17,600	10,000	10,000	-	0.0%
SWM Facility Annual Inspection	20,400	60,870	48,345	49,500	35,000	49,500	14,500	41.4%
Interest	5,712	6,823	23,713	17,710	5,000	24,000	19,000	380.0%
Stormwater Management Fees	-	200	100	-	-	-	-	0.0%
Misc Revenue	295	180	525	4,550	-	-	-	0.0%
Gross Operating Revenue	\$ 2,443,706	\$ 2,508,147	\$ 2,449,260	\$ 2,673,358	\$ 2,615,500	\$ 2,652,000	\$ 36,500	1.4%
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 656,463	\$ 1,117,949	\$ 345,507	\$ 710,511	\$ 737,087	\$ 829,154	\$ 92,067	12.5%
Materials and Supplies	19,698	10,415	21,115	25,291	34,250	36,645	2,395	7.0%
Contractual Services	161,440	162,074	206,964	249,488	274,730	252,306	(22,424)	-8.2%
Other Charges	40,547	75,033	153,221	218,143	658,085	733,795	75,710	11.5%
Subtotal	\$ 878,148	\$ 1,365,471	\$ 726,807	\$ 1,203,433	\$ 1,704,152	\$ 1,851,900	\$ 147,748	8.7%
Inter-Dept. Charges	273,837	226,115	214,166	232,330	330,598	355,767	25,169	7.6%
Total Operating Expenses	\$ 1,151,985	\$ 1,591,586	\$ 940,973	\$ 1,435,763	\$ 2,034,750	\$ 2,207,667	\$ 172,917	8.5%
Net Operating Margin (Before Capital Costs)	\$ 1,291,721	\$ 916,561	\$ 1,508,287	\$ 1,237,595	\$ 580,750	\$ 444,333	\$ (136,417)	-23.5%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Stormwater Fund - Public Works and Water Resources Department - Stormwater Division

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5595502	6030	Engineering/Technical	\$ 80,260	\$ 87,007	\$ 121,748	\$ 124,688	\$ 114,834	\$ 118,203	\$ 3,369	2.9%
5595502	6050	Information Technology	-	-	-	-	23,132	24,296	1,164	5.0%
5595502	6200	Line Maintenance	54,642	57,031	55,954	56,996	58,534	60,250	1,716	2.9%
5595502	6230	Maintenance Workers	183,157	193,821	186,658	202,639	224,715	263,965	39,250	17.5%
5595502	6580	Service Award	10,356	10,653	12,260	12,223	13,507	11,970	(1,537)	-11.4%
5595502	6590	Sick Pay	1,508	1,832	2,572	7,658	3,681	3,761	80	2.2%
5595502	6610	Seasonal Workers	-	-	-	-	14,000	-	(14,000)	-100.0%
5595502	6615	Interns	4,846	-	5,480	6,458	7,000	7,000	-	0.0%
5595502	6620	Overtime	18,466	7,289	15,729	18,063	14,000	15,000	1,000	7.1%
5595502	6880	Uniform Allowance	2,590	2,640	2,840	2,810	2,720	3,240	520	19.1%
5595502	6885	Device Reimbursement	1,375	1,200	1,200	1,425	1,500	1,800	300	20.0%
5595502	6920	Unemployment Comp. Ins.	1,693	1,673	1,573	1,782	2,370	966	(1,404)	-59.2%
5595502	6930	Social Security Taxes	26,702	27,046	30,328	32,192	35,792	37,490	1,698	4.7%
5595502	6940	City Pension Plan	171,198	561,816	(170,330)	136,538	74,331	67,168	(7,163)	-9.6%
5595502	6941	Defined Contribution 401(a) Plan	2,221	3,888	3,939	5,582	5,912	13,655	7,743	131.0%
5595502	6950	Term Life Insurance	1,658	1,787	1,695	1,506	1,832	2,069	237	12.9%
5595502	6960	Group Hospitalization Ins.	76,631	82,420	90,985	94,754	107,885	161,526	53,641	49.7%
5595502	6961	Long-Term Disability Ins.	670	735	591	415	504	573	69	13.7%
5595502	6962	Dental Insurance	3,991	4,073	4,310	4,429	5,071	7,177	2,106	41.5%
5595502	6965	Post-Employment Benefits	12,610	70,516	(24,129)	(2,255)	22,670	22,670	-	0.0%
5595502	6966	Retirement Health Savings Account	863	1,476	1,443	1,939	1,982	5,027	3,045	153.6%
5595502	6967	Emergency Room Reimbursements	800	800	400	400	822	966	144	17.5%
5595502	6968	Vision Insurance Premiums	226	246	261	269	293	382	89	30.4%
TOTAL PERSONNEL SERVICES			\$ 656,463	\$ 1,117,949	\$ 345,507	\$ 710,511	\$ 737,087	\$ 829,154	\$ 92,067	12.5%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Stormwater Fund - Public Works and Water Resources Department - Stormwater Division

Expenditures: * as amended ** as proposed

MATERIALS AND SUPPLIES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5595503	7110	Safety Shoes and Supplies	\$ 921	\$ 1,068	\$ 1,608	\$ 1,287	\$ 1,750	\$ 2,500	\$ 750	42.9%
5595503	7130	Tools, Field Sup., & Small Eq.	1,381	1,174	61	1,752	2,000	5,445	3,445	172.3%
5595503	7150	Office Supplies	-	-	-	-	-	200	200	100.0%
5595503	7255	Vandalism Supplies	-	-	-	-	2,500	2,500	-	0.0%
5595503	7400	Storm Sewer Maintenance	16,054	7,871	13,868	19,855	22,000	20,000	(2,000)	-9.1%
5595503	7401	Stormwater Program Supplies	1,342	302	5,774	2,397	6,000	6,000	-	0.0%
5595503	7540	Inventory Adjustment	-	-	(196)	-	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			\$ 19,698	\$ 10,415	\$ 21,115	\$ 25,291	\$ 34,250	\$ 36,645	\$ 2,395	7.0%

CONTRACTUAL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5595504	8020	Advertising	\$ -	\$ 759	\$ 625	\$ -	\$ 1,000	\$ 1,000	\$ -	0.0%
5595504	8030	Casualty Insurance	-	1,551	6,722	9,029	10,388	9,401	(987)	-9.5%
5595504	8031	Insurance - Property	-	-	-	2,088	3,528	4,572	1,044	29.6%
5595504	8032	Insurance - Auto	-	4,182	7,072	6,123	9,216	10,042	826	9.0%
5595504	8033	Insurance - Broker	-	-	1,065	1,507	1,529	1,445	(84)	-5.5%
5595504	8035	Insurance - Worker's Compensation	11,420	15,061	15,345	13,398	14,700	14,700	-	0.0%
5595504	8040	Merchant Fees and Discounts	23,776	22,072	25,626	23,772	26,000	27,300	1,300	5.0%
5595504	8050	Phone/Communications	-	-	-	800	-	800	800	0.0%
5595504	8120	Outside Engineering	16,666	-	62,736	49,023	100,000	50,000	(50,000)	-50.0%
5595504	8130	Building & Equipment Rental	2,055	2,565	4,821	7,160	-	-	-	0.0%
5595504	8131	Information Technology Cont'l	19,001	25,018	20,527	23,258	25,393	27,767	2,374	9.3%
5595504	8255	Vandalism Cont'l	-	-	-	-	2,500	2,500	-	0.0%
5595504	8312	Fleet & Facilities Services	81,633	62,130	39,504	66,694	45,476	67,779	22,303	49.0%
5595504	8313	Self-Insurance Services	255	75	-	-	-	-	-	0.0%
5595504	8401	Stormwater Contractual	6,634	28,661	19,534	46,588	35,000	35,000	-	0.0%
5595504	8550	Misc. Contracted Svc.	-	-	3,387	48	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			\$ 161,440	\$ 162,074	\$ 206,964	\$ 249,488	\$ 274,730	\$ 252,306	\$ (22,424)	-8.2%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Stormwater Fund - Public Works and Water Resources Department - Stormwater Division

Expenditures: * as amended ** as proposed

OTHER CHARGES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5595505	9060 Depreciation Expense	\$ 34,875	\$ 50,593	\$ 53,564	\$ 56,535	\$ 56,530	\$ 63,620	\$ 7,090	12.5%
5595505	9070 Training & Continuing Educ/Conf	1,452	1,749	881	684	3,600	4,500	900	25.0%
5595505	9084 Annual Regulatory Fees	200	200	200	395	1,600	2,400	800	50.0%
5595505	9095 Stormwater Grant Program	4,020	9,020	7,533	12,349	50,000	50,000	-	0.0%
5595505	9163 Debt Serv. Prin. - SRL Funded Capital-Q1802	-	-	-	-	-	443,829	443,829	100.0%
5595505	9164 Debt Serv. Int. - SRL Funded Capital-Q1802	-	13,471	91,043	148,180	546,355	169,446	(376,909)	-69.0%
TOTAL OTHER CHARGES		\$ 40,547	\$ 75,033	\$ 153,221	\$ 218,143	\$ 658,085	\$ 733,795	\$ 75,710	11.5%

INTER-DEPT. CHARGES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
	Administrative Overhead	\$ 115,891	\$ 70,980	\$ 45,003	\$ 59,209	\$ 62,754	\$ 72,886	\$ 10,132	16.1%
	Billings and Accounting	54,484	39,969	38,840	38,051	44,669	47,885	3,216	7.2%
	Electricity Used	-	830	589	564	667	730	63	9.4%
	Information Technology	58,119	67,051	80,829	83,836	174,352	181,436	7,084	4.1%
	Other Indirect Charges	45,321	47,271	47,728	49,910	47,108	52,200	5,092	10.8%
	Printing and Reproduction	22	14	18	14	25	28	3	12.0%
	Warehousing	-	-	1,159	746	1,023	602	(421)	-41.2%
TOTAL INTER-DEPT. CHARGES		\$ 273,837	\$ 226,115	\$ 214,166	\$ 232,330	\$ 330,598	\$ 355,767	\$ 25,169	7.6%

OPERATING EXPENSES - STORMWATER DIVISION		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES		\$ 1,151,985	\$ 1,591,586	\$ 940,973	\$ 1,435,763	\$ 2,034,750	\$ 2,207,667	\$ 172,917	8.5%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
STORMWATER DIVISION**

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2024-2028
(with current year amended budget)

STORMWATER FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
						\$ 500,000	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 5,760,000
						\$ 489,057	\$ -	\$ -	\$ -	\$ -	\$ 489,057
						\$ 989,057	\$ 1,275,000	\$ 1,175,000	\$ 1,685,000	\$ 1,125,000	\$ 6,249,057
						*Prior Authorized Balance includes 2023 carryover funding only.					

PROJECT NUMBER	PROJECT NAME		2023 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING
Q2401	Skid Steer Purchase	A	\$ -	\$ -	\$ -
Q2301	Mini Excavator	D	100,000	-	-
Q2201	Outfall and City Owned SWM Facility Repair	D	300,000	166,400	-
Q1802	Rodney Regional Stormwater Park	A	-	124,170	-
Q1301	Storm Drainage Improvements	B	525,000	588,034	-
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	B	110,834	110,453	-
QEQSF	Equipment Replacement Program	B	45,000	-	-
Total Stormwater Fund - Stormwater Division			\$ 1,080,834	\$ 989,057	\$ -

PLANNED FINANCING SOURCES																			
GROSS CAPITAL IMPROVEMENTS		\$	1,080,834	\$	989,057	\$	-	\$	989,057	\$	1,275,000	\$	1,175,000	\$	1,685,000	\$	1,125,000	\$	6,249,057
LESS: USE OF RESERVES			(543,420)		(305,243)		-		(305,243)		-		-		-		-		(305,243)
VEHICLE & EQUIPMENT REPLACEMENT			(45,000)		-		-		-		(43,993)		-		(305,991)		-		(349,984)
GRANTS			-		-		-		-		-		-		-		-		-
BOND ISSUES			-		-		-		-		-		-		-		-		-
STATE REVOLVING LOANS			-		(500,000)		-		(500,000)		(1,000,000)		(1,000,000)		(1,000,000)		(1,000,000)		(4,500,000)
AMERICAN RESCUE PLAN ACT			(300,000)		(166,400)		-		(166,400)		-		-		-		-		(166,400)
OTHER FINANCING SOURCES			(17,414)		(17,414)		-		(17,414)		-		-		-		-		(17,414)
NET CAPITAL IMPROVEMENTS		\$	175,000	\$	-	\$	-	\$	-	\$	231,007	\$	175,000	\$	379,009	\$	125,000	\$	910,016

* Justification Codes:
A - Return on Investment
B - Public Safety
C - Community Health
D - Efficiency/Other



PROJECT NO: Q2401
PROJECT TITLE: Skid Steer Purchase
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2019
Est. Completion Date:	2025
Est. Useful Life (in years):	N/A
Est. Total Cost:	\$ 100,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 100,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5595506.9720	\$ 100,000
TOTAL PROJECT COST		\$ 100,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
In 2020, PWWR traded a refuse vehicle to the City of New Castle in exchange for a skid steer. This unit will fulfill the needs of the department for the next few years. Funding for this equipment will be moved to 2024.
PWWR has from time to time rented a skid steer type piece of equipment for various in-house projects over the past 5 years. It has come in handy on these projects and allowed all divisions to complete tasks more efficiently and effectively. There are several implements that can be fitted to the front of the machine including, but not limited to the following:
Snow blower - The anticipated two-way cycle track on Delaware Avenue will require a piece of equipment to remove the snow in a smaller space than our traditional plows will be able to. This option would allow us to blow the snow directly into a dump truck for removal from this busy road.
Asphalt milling head - Currently asphalt patches are completed in three steps by saw cutting, digging out the old, then laying the new asphalt. This head would allow us to quickly mill out the old paving and lay the new paving, likely in the same day. Use in conjunction with the asphalt patching machine would allow a better repair of problem potholes.
Rotary broom - Easy cleanup of road surfaces after maintenance operations.
PWWR Typically spends \$4,000 per year on a rental skid steer for various tasks.
2024 Update: **Zebley has reached out to Case for updated quote** Vehicle 1500 resides in Stormwater. Moved CIP from Streets (H1903) to Stormwater (Q2401)

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	100,000	-	-	-	\$ 100,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	750	750	750	\$ 2,250



PROJECT NO: Q2301
PROJECT TITLE: Mini Excavator

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2023
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 100,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 100,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
The Stormwater Division maintenance crews have rented a mini-excavator each year to complete projects including swale grading, outfall clearing, pipe replacement, among others. Typical rental budgets would allow us to rent this equipment for approximately 2 months per year, leaving us without the equipment to perform these tasks. This equipment can be purchased for roughly 5 years worth of rental costs, and we would have access to the equipment for the full year, increasing our production and reducing our maintenance backlog. The equipment can also be utilized by other departments for specialized work and emergencies. Budget Amendment (5): Please be advised that Council approved Budget Amendment, item 8-A on 1/23/2023 to add \$25,000 in 2023 Current Resources funding. 2024 Update: This equipment has been received and is in service.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	97,526	2,474	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 100,000	\$ 97,526	\$ 2,474	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: Q2201
PROJECT TITLE: Outfall and City Owned SWM Facility
Repair
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 166,400	\$ -	\$ -	\$ -	\$ -	\$ 166,400
2024-2028 Funding:	\$ 166,400	\$ -	\$ -	\$ -	\$ -	\$ 166,400

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	100
Est. Total Cost:	\$ 600,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 433,600
% Complete (if underway):	72.3%
Balance to be funded ¹ :	\$ 166,400

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5595506.9720	\$ 166,400
TOTAL PROJECT COST		\$ 166,400

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
City-owned stormwater facilities and outfalls need rehabilitation per annual inspections. Most major repairs are outside of the scope of in-house crew and equipment capabilities. This funding can also be used to repair Home Owner Association-owned facilities prior to take over by the City for long term maintenance.	
2024 Update:	
1. Moss Court Outfall rehab under design in 2023, possible construction in 2024.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	578,955	12,555	400,000	\$ 166,400	166,400	-	-	-	-	\$ 166,400
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 578,955	\$ 12,555	\$ 400,000	\$ 166,400	\$ 166,400	\$ -	\$ -	\$ -	\$ -	\$ 166,400
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: Q1802
PROJECT TITLE: Rodney Regional Stormwater Park
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 124,170	\$ -	\$ -	\$ -	\$ -	\$ 124,170
2024-2028 Funding:	\$ 124,170	\$ -	\$ -	\$ -	\$ -	\$ 124,170

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	103 Hillside Road
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2018
Est. Completion Date:	2024
Est. Useful Life (in years):	100
Est. Total Cost:	\$ 9,318,146
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 9,193,976
% Complete (if underway):	98.7%
Balance to be funded ¹ :	\$ 124,170

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	5595506.9720	\$ 124,170
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 124,170

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
REFERENDUM PROJECT City staff has identified the shuttered Rodney Dormitory parcel as ideally located at the top of a watershed in Newark with downstream drainage problems. The City has entered into a contract to purchase the parcel from the University of Delaware. After a year long public process to identify the features that residents wanted to see incorporated into the park and stormwater facility, the project was approved by voters in the 2018 Referendum. The project was also approved for funding through the State Revolving Loan Fund for \$9mm at 2% interest. The funding shown below is the latest estimate of timeline for completing the project, including remediation, demolition, purchase of the property, grading, and park amenities. Project Planning Advances and Planning Grants as well as Brownfield funding, have also been taken advantage of for this project.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	135,282	-	11,112	\$ 124,170	124,170	-	-	-	-	\$ 124,170
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 135,282	\$ -	\$ 11,112	\$ 124,170	\$ 124,170	\$ -	\$ -	\$ -	\$ -	\$ 124,170
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: Q1301
PROJECT TITLE: Storm Drainage Improvements
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,500,000
*Prior Authorized Balance:	\$ 88,034	\$ -	\$ -	\$ -	\$ -	\$ 88,034
2024-2028 Funding:	\$ 588,034	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,588,034

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2013
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	75+
Est. Total Cost:	\$ 5,014,209
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 426,175
% Complete (if underway):	8.5%
Balance to be funded ¹ :	\$ 4,588,034

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	5595506.9720	\$ 4,588,034
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 4,588,034

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project is an ongoing project to tackle stormwater and drainage problems throughout the City. An engineering consultant has completed a detailed CCTV Inspection and Priority Ranking in order to aid the decision making for the future replacement or rehabilitation of all of the known Corrugated Metal Pipe (CMP) in the City. The issues with the premature failure and deterioration of CMP has been well documented over the past several years and will be the focus of this Capital Project. The memorandum from JMT identifies approximately \$3,500,000 in lining and replacement of CMP. JMT has prepared a 14 year plan for the repairs and annual repair locations are presented as part of any Contract Recommendation brought to Council. Exhibits are attached for the anticipated work in 2023. Emergent and newly identified problems which may be priority over the CMP progress may arise over the term of this project and will be paid for under this project.

2023 Update:

In addition to the ongoing CMP repair and replacment, we expect to address the drainage issues at Julie Lane in 2023, based on preliminary plans by our consulting engineer.

2024 Update:

Shifted focus to Academy Street, possible construction in 2024.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	514,209	218,191	207,984	\$ 88,034	88,034	-	-	-	-	\$ 88,034
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS SRF Planning	50,000	-	-	\$ 50,000	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	500,000	1,000,000	1,000,000	1,000,000	1,000,000	\$ 4,500,000
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 564,209	\$ 218,191	\$ 207,984	\$ 138,034	\$ 588,034	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,588,034
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

Q1301: Storm Drainage Improvements Supporting Documentation - Page 1



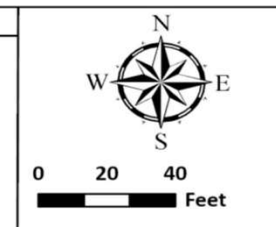
**CITY OF NEWARK
DELAWARE**

Q1301

**2021 Proposed
Stormwater Lining**

September 2020

Edjil Drive		
LEGEND		
	Inlets	Exits (labels)
	Manholes	Roads
	Discharge Points	Major Highways
	Gravity Mains	Highways
	Culverts	Major Roads



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PROJECT NO: Q0101
PROJECT TITLE: Stormwater Quality Improvements
 (NPDES Phase II Permit)
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 425,000
*Prior Authorized Balance:	\$ 110,453	\$ -	\$ -	\$ -	\$ -	\$ 110,453
2024-2028 Funding:	\$ 110,453	\$ 100,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 535,453

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2009
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 535,453
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 535,453

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5595506.9720	\$ 535,453
TOTAL PROJECT COST		\$ 535,453

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Per the 1999 NPDES Phase II Stormwater Quality Regulations, the City of Newark is required to meet approved standards to improve stormwater quality. We received a surface water planning grant in 2014, part of which paid for a report to identify and rank water quality Best Management Practices (BMP) retrofits in stormwater basins around the City.

Depending on the type of facility constructed, ongoing maintenance will be required including mowing, invasive weed removal, inspections, etc. We have assumed \$1,000 per year per facility in maintenance costs.

Construction was completed in 2022 on the Submerged Gravel Wetlands and Landscape Upgrades at the Abbotsford Stormwater Facility. \$25,000 in Grant funding was received from the Community Environmental Project Fund and added to this project in 2021 for the Abbotsford Stormwater Quality Retrofit. We will continue to pursue grants for projects such as these.

2023 Update:

Funding will likely be used for the planning and design for a project which will be supplemented with stormwater drainage funding from Q1301. Evaluation of total project costs will be completed in 2023 for out-year funding.

Budget Amendment (20):

Please be advised that Council approved Budget Amendment, item 3-D on 5/8/2023 to add \$17,414 in 2023 Other funding related to a class action settlement.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	75,000	-	-	\$ 75,000	-	100,000	100,000	100,000	125,000	\$ 425,000
CAPITAL RESERVES	18,039	-	-	\$ 18,039	93,039	-	-	-	-	\$ 93,039
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER 2023 Settlement	17,414	-	-	\$ 17,414	17,414	-	-	-	-	\$ 17,414
TOTAL:	\$ 110,453	\$ -	\$ -	\$ 110,453	\$ 110,453	\$ 100,000	\$ 100,000	\$ 100,000	\$ 125,000	\$ 535,453
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					2,000	3,000	4,000	5,000	5,000	\$ 19,000



PROJECT NO: QEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 75,000	\$ 75,000	\$ 585,000	\$ -	\$ 735,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 75,000	\$ 75,000	\$ 585,000	\$ -	\$ 735,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Stormwater
FUND:	Stormwater
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 780,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 45,000
% Complete (if underway):	5.8%
Balance to be funded ¹ :	\$ 735,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5595506.9623	\$ 735,000
TOTAL PROJECT COST		\$ 735,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	31,007	75,000	279,009	-	\$ 385,016
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	45,000	-	45,000	\$ -	-	43,993	-	305,991	-	\$ 349,984
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 585,000	\$ -	\$ 735,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028
STORMWATER UTILITY

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	R E P L A C E M E N T C O S T S				
								2024	2025	2026	2027	2028
	<u>STAFF VEHICLES</u>											
1500	2006 CASE 430 Skid Steer	02/06/20	--	5	2026	2026	-			75,000		
1504	2012 Ford F250 Pickup Truck 4x4	a. 09/21/12	50,725	10	2022	2023	50,725					
1512	2021 Nissan Leaf S Plus	05/12/21	29,710	9	2021	2030	29,710					
1531	2017 Tennant ATLV 4300 Litter Vacuum	11/14/17	43,993	8	2025	2025	43,993		75,000			
1550	2020 Freightliner M2-Vac-All Catch Basin Cleaner	11/26/19	305,991	8	2019	2027	305,991				585,000	
	<u>OTHER EQUIPMENT</u>											
1515	2023 Case Model CX60C Excavator	03/21/23	97,526	10	2032	2032	97,526					
TOTAL STORMWATER UTILITY				GROSS ACQUISITION COST				\$ -	\$ 75,000	\$ 75,000	\$ 585,000	\$ -
								-	-	-	-	-
								-	(31,007)	(75,000)	(279,009)	-
								\$ -	\$ 43,993	\$ -	\$ 305,991	\$ -

a. This vehicle is scheduled to be replaced in 2023.

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	L E A S E P A Y M E N T S C H E D U L E				
							2024	2025	2026	2027	2028
	<u>STAFF VEHICLES</u>										
1530	2007 Int'l 4200 - SC7000 Sweeper	a. 10/18/16	75,000	2024	2023	5					

a. This vehicle is scheduled to be replaced in 2023.



**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
REFUSE DIVISION**

2024 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET

General Fund - Public Works and Water Resources Department - Refuse Division

Summary:

* as amended

** as proposed

REFUSE DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 933,918	\$ 1,011,406	\$ 1,005,060	\$ 948,553	\$ 1,015,759	\$ 1,020,076	\$ 4,317	0.4%
Materials and Supplies	30,900	22,701	25,087	30,532	33,750	29,200	(4,550)	-13.5%
Contractual Services	897,038	1,089,528	1,017,773	1,087,534	1,125,643	1,238,795	113,152	10.1%
Other Charges	216,932	204,813	192,691	182,109	169,960	111,698	(58,262)	-34.3%
Subtotal	\$ 2,078,788	\$ 2,328,448	\$ 2,240,611	\$ 2,248,728	\$ 2,345,112	\$ 2,399,769	\$ 54,657	2.3%
Inter-Dept. Charges	43,482	135,171	92,604	61,456	98,181	75,427	(22,754)	-23.2%
Total Operating Expenses	\$ 2,122,270	\$ 2,463,619	\$ 2,333,215	\$ 2,310,184	\$ 2,443,293	\$ 2,475,196	\$ 31,903	1.3%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Refuse Division

Expenditures:

* as amended

** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0141042	6240	Refuse Workers	\$ 506,214	\$ 549,363	\$ 530,480	\$ 507,726	\$ 536,453	\$ 538,086	\$ 1,633	0.3%
0141042	6580	Service Award	14,987	16,007	11,903	11,206	11,976	5,446	(6,530)	-54.5%
0141042	6590	Sick Pay	140	895	8,547	3,975	2,285	2,352	67	2.9%
0141042	6620	Overtime	15,202	12,236	31,584	27,054	14,000	14,000	-	0.0%
0141042	6880	Uniform Allowance	5,300	5,400	5,250	5,150	6,000	5,400	(600)	-10.0%
0141042	6885	Device Reimbursement	2,925	3,000	2,900	2,850	3,000	3,000	-	0.0%
0141042	6920	Unemployment Comp. Ins.	2,756	2,834	3,188	2,693	2,601	1,134	(1,467)	-56.4%
0141042	6930	Social Security Taxes	40,018	43,334	43,715	40,867	41,651	40,970	(681)	-1.6%
0141042	6940	City Pension Plan	111,550	135,748	124,011	99,603	119,553	108,035	(11,518)	-9.6%
0141042	6941	Defined Contribution 401(a) Plan	10,350	11,820	15,736	17,962	19,906	29,689	9,783	49.1%
0141042	6950	Term Life Insurance	2,869	3,028	2,770	2,548	2,732	2,652	(80)	-2.9%
0141042	6960	Group Hospitalization Ins.	163,517	164,526	156,277	167,085	210,054	220,679	10,625	5.1%
0141042	6961	Long-Term Disability Ins.	1,129	1,207	927	613	690	700	10	1.4%
0141042	6962	Dental Insurance	8,021	7,671	7,017	7,409	9,134	9,117	(17)	-0.2%
0141042	6963	Flexible Spending Account	-	-	-	63	63	63	-	0.0%
0141042	6964	Health Savings Account	-	-	563	-	-	-	-	0.0%
0141042	6965	Post-Employment Benefits	44,212	49,540	53,409	43,720	26,400	26,400	-	0.0%
0141042	6966	Retirement Health Savings Account	3,932	4,428	6,037	6,792	7,430	10,556	3,126	42.1%
0141042	6967	Emergency Room Reimbursements	400	-	400	800	1,305	1,305	-	0.0%
0141042	6968	Vision Insurance Premiums	396	369	346	437	526	492	(34)	-6.5%
TOTAL PERSONNEL SERVICES			\$ 933,918	\$ 1,011,406	\$ 1,005,060	\$ 948,553	\$ 1,015,759	\$ 1,020,076	\$ 4,317	0.4%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Refuse Division

Expenditures:

* as amended

** as proposed

MATERIALS AND SUPPLIES								\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	
0141043	7110	Safety Shoes and Supplies	\$ 2,057	\$ 885	\$ 1,011	\$ 2,299	\$ 2,250	\$ 2,700	\$ 450 20.0%
0141043	7130	Tools, Field Sup., & Small Eq.	619	592	562	796	1,000	1,000	- 0.0%
0141043	7132	Collection Carts	26,599	21,224	23,445	27,346	30,000	25,000	(5,000) -16.7%
0141043	7270	Station Maintenance	1,814	-	-	91	-	-	- 0.0%
0141043	7462	Recycling Supplies	-	-	-	-	500	500	- 0.0%
0141043	7540	Inventory Adjustment	(189)	-	69	-	-	-	- 0.0%
TOTAL MATERIALS & SUPPLIES			\$ 30,900	\$ 22,701	\$ 25,087	\$ 30,532	\$ 33,750	\$ 29,200	\$ (4,550) -13.5%

* as amended

** as proposed

CONTRACTUAL SERVICES								\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	
0141044	8030	Casualty Insurance	\$ 6,204	\$ 6,642	\$ 11,006	\$ 13,860	\$ 16,055	\$ 14,528	\$ (1,527) -9.5%
0141044	8032	Insurance - Auto	19,559	20,943	16,709	12,246	18,432	20,083	1,651 9.0%
0141044	8033	Insurance - Broker	2,533	2,557	2,325	2,329	2,363	2,234	(129) -5.5%
0141044	8035	Insurance - Worker's Compensation	18,003	23,780	25,460	24,245	26,600	26,600	- 0.0%
0141044	8130	Building & Equipment Rental	2,334	265	2,193	-	2,500	2,500	- 0.0%
0141044	8131	Information Technology Cont'l	828	2,888	1,671	7,685	7,694	8,430	736 9.6%
0141044	8190	Refuse Disposal-Landfill	440,039	436,300	444,247	437,200	470,000	475,000	5,000 1.1%
0141044	8191	Yard Waste	36,233	34,960	35,250	23,080	40,000	40,000	- 0.0%
0141044	8200	Printing and Reproduction	1,000	645	1,000	2,161	1,000	1,200	200 20.0%
0141044	8312	Fleet & Facilities Services	368,755	560,548	477,912	564,728	540,999	648,220	107,221 19.8%
0141044	8550	Misc. Contracted Services	1,550	-	-	-	-	-	- 0.0%
TOTAL CONTRACTUAL SERVICES			\$ 897,038	\$ 1,089,528	\$ 1,017,773	\$ 1,087,534	\$ 1,125,643	\$ 1,238,795	\$ 113,152 10.1%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Refuse Division

Expenditures:

* as amended

** as proposed

OTHER CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **
0141045	9060	Depreciation Expense	\$ 216,412	\$ 204,813	\$ 192,691	\$ 181,996	\$ 169,210	\$ 109,698
0141045	9070	Training & Continuing Educ/Conf	520	-	-	113	750	2,000
TOTAL OTHER CHARGES			\$ 216,932	\$ 204,813	\$ 192,691	\$ 182,109	\$ 169,960	\$ 111,698

\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
\$ (59,512)	-35.2%
1,250	166.7%
\$ (58,262)	-34.3%

* as amended

** as proposed

INTER-DEPT. CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **
	Billings and Accounting		\$ 4,094	\$ 32,565	\$ 33,838	\$ 28,597	\$ 34,612	\$ 32,782
	Electricity Used - Transfer Station		100	2,330	1,589	2,864	1,867	3,230
	Information Technology		42,253	49,041	47,212	45,448	52,213	53,268
	Mailroom and Postage		1,161	1,156	1,178	903	1,295	1,111
	Other Indirect Charges		(7,039)	46,547	6,087	(18,186)	5,639	(17,218)
	Printing and Reproduction		98	64	80	63	109	120
	Records		1,511	1,747	1,451	536	1,414	1,366
	Warehousing		1,304	1,721	1,169	1,231	1,032	768
TOTAL INTER-DEPT. CHARGES			\$ 43,482	\$ 135,171	\$ 92,604	\$ 61,456	\$ 98,181	\$ 75,427

\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
\$ (1,830)	-5.3%
1,363	73.0%
1,055	2.0%
(184)	-14.2%
(22,857)	-405.3%
11	10.1%
(48)	-3.4%
(264)	-25.6%
\$ (22,754)	-23.2%

* as amended

** as proposed

OPERATING EXPENSES - REFUSE DIVISION			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **
TOTAL OPERATING EXPENSES			\$ 2,122,270	\$ 2,463,619	\$ 2,333,215	\$ 2,310,184	\$ 2,443,293	\$ 2,475,196

\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
\$ 31,903	1.3%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
STREET DIVISION**

2024 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET

General Fund - Public Works and Water Resources Department - Street Division

Summary:

* as amended

** as proposed

STREET DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
OPERATING EXPENSES								
Personnel Services	\$ 489,160	\$ 803,031	\$ 798,127	\$ 743,820	\$ 843,353	\$ 820,836	\$ (22,517)	-2.7%
Materials and Supplies	152,479	68,209	135,840	147,864	215,400	216,400	1,000	0.5%
Contractual Services	249,093	240,612	273,432	343,661	367,799	423,101	55,302	15.0%
Other Charges	84,522	70,608	81,317	49,080	115,540	160,813	45,273	39.2%
Subtotal	\$ 975,254	\$ 1,182,460	\$ 1,288,716	\$ 1,284,425	\$ 1,542,092	\$ 1,621,150	\$ 79,058	5.1%
Inter-Dept. Charges	287,124	262,158	336,892	318,074	366,066	349,942	(16,124)	-4.4%
Total Operating Expenses	\$ 1,262,378	\$ 1,444,618	\$ 1,625,608	\$ 1,602,499	\$ 1,908,158	\$ 1,971,092	\$ 62,934	3.3%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Street Division

Expenditures:

* as amended

** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131052	6020	Supervisory	\$ 66,305	\$ 73,749	\$ 74,149	\$ 77,174	\$ 83,407	\$ 87,765	\$ 4,358	5.2%
0131052	6230	Maintenance Workers	33,052	357,345	335,602	308,887	355,994	328,356	(27,638)	-7.8%
0131052	6580	Service Award	6,600	7,023	7,458	6,074	7,873	1,603	(6,270)	-79.6%
0131052	6590	Sick Pay	16,004	2,359	4,349	3,002	1,757	1,911	154	8.8%
0131052	6610	Seasonal Workers	23,687	5,668	2,254	8,186	14,000	14,000	-	0.0%
0131052	6615	Interns	-	-	3,978	6,503	-	-	-	0.0%
0131052	6620	Overtime	58,729	43,462	67,625	43,482	40,000	40,000	-	0.0%
0131052	6622	Holiday Premium	1,522	1,179	1,226	1,288	1,000	1,000	-	0.0%
0131052	6623	Weekend Premium	123	-	-	-	-	-	-	0.0%
0131052	6880	Uniform Allowance	3,840	3,840	3,340	3,540	3,840	3,840	-	0.0%
0131052	6885	Device Reimbursement	2,400	2,400	2,125	1,975	2,400	1,800	(600)	-25.0%
0131052	6920	Unemployment Comp. Ins.	2,225	2,310	2,176	2,474	2,484	882	(1,602)	-64.5%
0131052	6930	Social Security Taxes	36,424	36,613	36,870	33,671	38,263	35,139	(3,124)	-8.2%
0131052	6940	City Pension Plan	73,900	91,889	84,400	81,405	97,708	88,294	(9,414)	-9.6%
0131052	6941	Defined Contribution 401(a) Plan	11,339	12,171	11,192	13,799	16,201	24,083	7,882	48.7%
0131052	6950	Term Life Insurance	2,341	2,426	2,198	2,102	2,148	1,986	(162)	-7.5%
0131052	6960	Group Hospitalization Ins.	109,035	114,295	111,563	97,412	136,624	147,543	10,919	8.0%
0131052	6961	Long-Term Disability Ins.	908	953	728	544	569	631	62	10.9%
0131052	6962	Dental Insurance	5,856	5,856	5,550	4,822	6,549	7,192	643	9.8%
0131052	6964	Health Savings Account	750	750	1,500	813	750	-	(750)	-100.0%
0131052	6965	Post-Employment Benefits	29,580	33,976	35,619	40,402	24,420	24,420	-	0.0%
0131052	6966	Retirement Health Savings Account	4,201	4,428	3,901	5,167	5,944	9,048	3,104	52.2%
0131052	6967	Emergency Room Reimbursements	-	-	-	800	1,015	1,015	-	0.0%
0131052	6968	Vision Insurance Premiums	339	339	324	298	407	328	(79)	-19.4%
TOTAL PERSONNEL SERVICES			\$ 489,160	\$ 803,031	\$ 798,127	\$ 743,820	\$ 843,353	\$ 820,836	\$ (22,517)	-2.7%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Street Division

Expenditures:

* as amended

** as proposed

MATERIALS AND SUPPLIES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131053	7110	Safety Shoes and Supplies	\$ 2,127	\$ 1,545	\$ 1,481	\$ 2,240	\$ 2,400	\$ 2,400	\$ -	0.0%
0131053	7130	Tools, Field Sup., & Small Eq.	11,607	2,702	3,462	2,429	6,000	6,000	-	0.0%
0131053	7340	Street Signs and Roadway Markings	28,183	25,657	30,088	26,719	33,000	38,000	5,000	15.2%
0131053	7380	Street Maintenance Supplies	77,827	17,445	61,910	85,058	80,000	80,000	-	0.0%
0131053	7381	Bridge Maintenance Supplies	-	-	-	-	50,000	50,000	-	0.0%
0131053	7450	Salt, Sand, & Snow Removal	33,253	20,391	38,115	31,142	44,000	40,000	(4,000)	-9.1%
0131053	7540	Inventory Adjustment	(1,614)	(723)	(514)	(847)	-	-	-	0.0%
0131053	7550	Miscellaneous Supplies	1,096	1,192	1,298	1,123	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			\$ 152,479	\$ 68,209	\$ 135,840	\$ 147,864	\$ 215,400	\$ 216,400	\$ 1,000	0.5%

* as amended

** as proposed

CONTRACTUAL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131054	8020	Advertising	\$ -	\$ -	\$ -	\$ -	\$ 2,000	\$ 2,000	\$ -	0.0%
0131054	8030	Casualty Insurance	6,474	6,931	9,106	10,354	11,805	10,683	(1,122)	-9.5%
0131054	8031	Insurance - Property	3,845	4,666	2,520	1,285	1,764	2,286	522	29.6%
0131054	8032	Insurance - Auto	25,880	23,374	24,795	20,666	31,104	33,890	2,786	9.0%
0131054	8033	Insurance - Broker	3,637	3,672	2,233	1,729	1,738	1,643	(95)	-5.5%
0131054	8035	Insurance - Worker's Compensation	16,805	22,195	22,882	20,417	22,400	22,400	-	0.0%
0131054	8050	Phone/Communications	169	190	166	240	200	200	-	0.0%
0131054	8130	Building & Equipment Rental	6,509	2,565	-	5,000	-	-	-	0.0%
0131054	8131	Information Technology Cont'l	4,719	4,499	4,846	5,037	5,258	5,810	552	10.5%
0131054	8312	Fleet & Facilities Services	176,505	167,388	197,624	262,689	226,530	284,189	57,659	25.5%
0131054	8313	Self-Insurance Services	-	2,133	1,270	5,075	-	-	-	0.0%
0131054	8380	Street Maintenance Cont'l	3,950	2,253	7,250	10,436	15,000	10,000	(5,000)	-33.3%
0131054	8381	Bridge Maintenance Cont'l	-	-	-	-	50,000	50,000	-	0.0%
0131054	8550	Misc. Contracted Services	600	746	740	733	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			\$ 249,093	\$ 240,612	\$ 273,432	\$ 343,661	\$ 367,799	\$ 423,101	\$ 55,302	15.0%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Street Division

Expenditures: * as amended ** as proposed

OTHER CHARGES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131055	9060 Depreciation Expense	\$ 82,299	\$ 70,558	\$ 81,137	\$ 47,097	\$ 112,540	\$ 157,213	\$ 44,673	39.7%
0131055	9070 Training & Continuing Educ/Conf	2,223	50	180	1,983	3,000	3,600	600	20.0%
TOTAL OTHER CHARGES		\$ 84,522	\$ 70,608	\$ 81,317	\$ 49,080	\$ 115,540	\$ 160,813	\$ 45,273	39.2%

INTER-DEPT. CHARGES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
	Billings and Accounting	\$ 3,490	\$ 23,990	\$ 24,899	\$ 21,997	\$ 25,440	\$ 25,175	\$ (265)	-1.0%
	Electricity Used	-	736	493	468	571	534	(37)	-6.5%
	Information Technology	37,559	43,592	41,967	40,398	46,411	47,349	938	2.0%
	Mailroom and Postage	845	842	858	689	943	848	(95)	-10.1%
	Other Indirect Charges	75,219	11,580	52,528	67,436	50,498	68,323	17,825	35.3%
	Printing and Reproduction	98	64	80	63	110	121	11	10.0%
	Records	1,100	1,273	1,057	409	1,030	1,042	12	1.2%
	Street Lights and Traffic Signals	166,221	177,083	212,877	184,877	239,180	204,177	(35,003)	-14.6%
	Warehousing	2,592	2,998	2,133	1,737	1,883	2,373	490	26.0%
TOTAL INTER-DEPT. CHARGES		\$ 287,124	\$ 262,158	\$ 336,892	\$ 318,074	\$ 366,066	\$ 349,942	\$ (16,124)	-4.4%

OPERATING EXPENSES - STREET DIVISION		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES		\$ 1,262,378	\$ 1,444,618	\$ 1,625,608	\$ 1,602,499	\$ 1,908,158	\$ 1,971,092	\$ 62,934	3.3%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION**

2024 OPERATING EXPENDITURES

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Engineering Division

Summary:

* as amended

** as proposed

ENGINEERING DIVISION - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 886,234	\$ 953,608	\$ 865,624	\$ 910,571	\$ 956,757	\$ 989,327	\$ 32,570	3.4%
Materials and Supplies	2,951	1,556	2,150	2,730	5,900	7,900	2,000	33.9%
Contractual Services	102,098	99,994	109,561	106,448	117,089	126,313	9,224	7.9%
Other Charges	21,947	9,771	11,742	17,585	21,790	23,858	2,068	9.5%
Subtotal	\$ 1,013,230	\$ 1,064,929	\$ 989,077	\$ 1,037,334	\$ 1,101,536	\$ 1,147,398	\$ 45,862	4.2%
Inter-Dept. Charges	8,498	30,637	35,428	34,643	46,898	50,529	3,631	7.7%
Total Operating Expenses	\$ 1,021,728	\$ 1,095,566	\$ 1,024,505	\$ 1,071,977	\$ 1,148,434	\$ 1,197,927	\$ 49,493	4.3%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Engineering Division

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131072	6020	Supervisory	\$ 86,692	\$ 93,956	\$ 91,793	\$ 94,759	\$ 99,284	\$ 102,263	\$ 2,979	3.0%
0131072	6030	Engineering/Technical	189,159	188,088	115,501	121,005	129,700	137,434	7,734	6.0%
0131072	6210	Inspectors	247,178	273,149	276,096	286,623	297,781	313,926	16,145	5.4%
0131072	6580	Service Award	6,168	6,871	5,491	5,850	6,221	8,374	2,153	34.6%
0131072	6590	Sick Pay	2,874	2,714	1,660	2,094	3,340	7,497	4,157	124.5%
0131072	6615	Interns	10,075	-	-	6,375	7,000	7,000	-	0.0%
0131072	6620	Overtime	19,731	15,788	16,318	11,207	18,000	18,000	-	0.0%
0131072	6622	Holiday Premium	-	666	-	-	-	-	-	0.0%
0131072	6880	Uniform Allowance	1,440	1,440	1,040	1,200	1,200	1,200	-	0.0%
0131072	6885	Device Reimbursement	450	600	600	600	600	600	-	0.0%
0131072	6920	Unemployment Comp. Ins.	2,714	2,525	2,358	2,364	2,084	819	(1,265)	-60.7%
0131072	6930	Social Security Taxes	41,214	42,193	36,810	38,269	41,675	44,208	2,533	6.1%
0131072	6940	City Pension Plan	62,520	79,744	116,238	119,079	142,921	129,160	(13,761)	-9.6%
0131072	6941	Defined Contribution 401(a) Plan	20,821	24,144	24,348	25,529	27,079	29,437	2,358	8.7%
0131072	6950	Term Life Insurance	3,231	3,592	3,276	2,859	2,363	2,439	76	3.2%
0131072	6960	Group Hospitalization Ins.	149,527	170,152	137,965	138,830	139,064	148,242	9,178	6.6%
0131072	6961	Long-Term Disability Ins.	1,339	1,520	1,186	801	685	905	220	32.1%
0131072	6962	Dental Insurance	7,843	8,938	7,139	7,139	6,931	6,941	10	0.1%
0131072	6963	Flexible Spending Account	224	252	252	252	159	96	(63)	-39.6%
0131072	6964	Health Savings Account	750	-	-	-	-	-	-	0.0%
0131072	6965	Post-Employment Benefits	24,545	29,343	20,686	38,069	22,680	22,680	-	0.0%
0131072	6966	Retirement Health Savings Account	5,924	6,670	6,496	6,598	6,687	6,800	113	1.7%
0131072	6967	Emergency Room Reimbursements	1,383	800	-	698	942	945	3	0.3%
0131072	6968	Vision Insurance Premiums	432	463	371	371	361	361	-	0.0%
TOTAL PERSONNEL SERVICES			\$ 886,234	\$ 953,608	\$ 865,624	\$ 910,571	\$ 956,757	\$ 989,327	\$ 32,570	3.4%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Engineering Division

Expenditures: * as amended ** as proposed

MATERIALS AND SUPPLIES										\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **			
0131073	7110	Safety Shoes and Supplies	\$ 1,003	\$ 385	\$ 414	\$ 1,003	\$ 2,000	\$ 2,000	\$ -	-	0.0%
0131073	7130	Tools, Field Sup., & Small Eq.	138	923	778	873	1,500	3,500	2,000	133.3%	
0131073	7150	Office Supplies	1,810	248	958	854	2,400	2,400	-	0.0%	
TOTAL MATERIALS & SUPPLIES			\$ 2,951	\$ 1,556	\$ 2,150	\$ 2,730	\$ 5,900	\$ 7,900	\$ 2,000	33.9%	

CONTRACTUAL SERVICES										\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **			
0131074	8020	Advertising	\$ 1,509	\$ 1,732	\$ 2,355	\$ 1,906	\$ 2,200	\$ 2,200	\$ -	-	0.0%
0131074	8030	Casualty Insurance	10,790	11,551	10,288	10,354	11,805	10,683	(1,122)	-9.5%	
0131074	8032	Insurance - Auto	6,122	6,563	8,415	7,271	10,944	11,924	980	9.0%	
0131074	8033	Insurance - Broker	974	984	1,520	1,729	1,738	1,643	(95)	-5.5%	
0131074	8035	Insurance - Worker's Compensation	16,695	22,195	17,289	6,380	7,000	7,000	-	0.0%	
0131074	8050	Phone/Communications	2,177	618	166	140	200	200	-	0.0%	
0131074	8120	Outside Engineering	20,569	19,202	32,045	26,068	40,000	40,000	-	0.0%	
0131074	8131	Information Technology Cont'l	18,328	18,835	18,267	21,358	20,354	22,250	1,896	9.3%	
0131074	8312	Fleet & Facilities Services	24,555	18,304	19,210	31,228	22,848	30,413	7,565	33.1%	
0131074	8313	Self-Insurance Services	379	-	-	-	-	-	-	0.0%	
0131074	8550	Misc. Contracted Services	-	10	6	14	-	-	-	0.0%	
TOTAL CONTRACTUAL SERVICES			\$ 102,098	\$ 99,994	\$ 109,561	\$ 106,448	\$ 117,089	\$ 126,313	\$ 9,224	7.9%	

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

General Fund - Public Works and Water Resources Department - Engineering Division

Expenditures: * as amended ** as proposed

OTHER CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
0131075	9020	Mileage & Small Bus. Expense	\$ 1,034	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
0131075	9060	Depreciation Expense	9,776	9,771	9,280	12,305	13,790	13,858	68	0.5%
0131075	9070	Training & Continuing Educ/Conf	11,137	-	2,462	5,280	8,000	10,000	2,000	25.0%
TOTAL OTHER CHARGES			\$ 21,947	\$ 9,771	\$ 11,742	\$ 17,585	\$ 21,790	\$ 23,858	\$ 2,068	9.5%

INTER-DEPT. CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		Billings and Accounting	\$ 3,597	\$ 21,786	\$ 22,584	\$ 22,984	\$ 23,047	\$ 26,298	\$ 3,251	14.1%
		Electricity Used	-	730	489	464	567	530	(37)	-6.5%
		Information Technology	39,906	46,316	44,590	42,923	49,313	50,309	996	2.0%
		Mailroom and Postage	759	756	770	719	847	885	38	4.5%
		Other Indirect Expenses	(36,850)	(40,158)	(34,034)	(32,937)	(27,910)	(28,702)	(792)	2.8%
		Printing and Reproduction	98	64	80	63	109	121	12	11.0%
		Records	988	1,143	949	427	925	1,088	163	17.6%
TOTAL INTER-DEPT. CHARGES			\$ 8,498	\$ 30,637	\$ 35,428	\$ 34,643	\$ 46,898	\$ 50,529	\$ 3,631	7.7%

OPERATING EXPENSES - ENGINEERING DIVISION			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES			\$ 1,021,728	\$ 1,095,566	\$ 1,024,505	\$ 1,071,977	\$ 1,148,434	\$ 1,197,927	\$ 49,493	4.3%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
CAPITAL PROJECTS FUND (REFUSE, STREET AND ENGINEERING DIVISIONS)**

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2024-2028
(with current year amended budget)

CAPITAL PROJECTS FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE, STREET AND ENGINEERING DIVISIONS

					FUNDING SUMMARY					
					2024	2025	2026	2027	2028	Total 5 Year
New Funding:					\$ 2,595,000	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 14,115,000
*Prior Authorized Balance:					\$ 1,000,324	\$ -	\$ -	\$ -	\$ -	\$ 1,000,324
2024-2028 Funding:					\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
					*Prior Authorized Balance includes 2023 carryover funding only.					

PROJECT NUMBER	PROJECT NAME		2023 BUDGET AS AMENDED	-----2024-----	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
R2201	Roll Off Dumpster Purchase	A	\$ 11,000		\$ 2,065	\$ 20,000	\$ 22,065	\$ 20,000	\$ -	\$ -	\$ -	\$ 42,065
REQSF	Equipment Replacement Program	B	-		-	-	-	-	300,000	-	-	300,000
H2401	Annual Street Program	B	-		580,883	1,344,117	1,925,000	2,125,000	2,125,000	2,375,000	2,375,000	10,925,000
H2402	ADA Accessibility Transition Plan	B	-		-	180,000	180,000	185,000	195,000	200,000	200,000	960,000
H2301	Annual Street Program	B	1,761,302		900,000	-	900,000	-	-	-	-	900,000
H2302	ADA Accessibility Transition Plan	B	166,441		-	-	-	-	-	-	-	-
H2203	City Hall Parking Lot Rehabilitation	B	625,000		-	-	-	-	-	-	-	-
H1503	Newark Transportation Plan Implementation	A	37,500		118,259	-	118,259	70,000	95,000	95,000	95,000	473,259
HEQSF	Equipment Replacement Program	B	-		216,985	233,015	450,000	600,000	-	100,000	200,000	1,350,000
TEQSF	Equipment Replacement Program	B	-		-	-	-	100,000	-	65,000	-	165,000
Total Capital Projects Fund - Refuse, Street and Engineering Divisions			\$ 2,601,243		\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324

PLANNED FINANCING SOURCES											
GROSS CAPITAL IMPROVEMENTS		\$ 2,601,243		\$ 1,818,192	\$ 1,777,132	\$ 3,595,324	\$ 3,100,000	\$ 2,715,000	\$ 2,835,000	\$ 2,870,000	\$ 15,115,324
LESS: USE OF RESERVES		(250,000)		(1,000,324)	-	(1,000,324)	-	-	-	-	(1,000,324)
VEHICLE & EQUIPMENT REPLACEMENT		-		(216,985)	-	(216,985)	(389,463)	(193,963)	(74,578)	(165,031)	(1,040,020)
GRANTS		(588,802)		(540,883)	-	(540,883)	(540,883)	(540,883)	(540,883)	(540,883)	(2,704,415)
BOND ISSUES		-		-	-	-	-	-	-	-	-
AMERICAN RESCUE PLAN ACT		(625,000)		-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES		(60,000)		(60,000)	-	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)	(300,000)
NET CAPITAL IMPROVEMENTS		\$ 1,077,441		\$ -	\$ 1,777,132	\$ 1,777,132	\$ 2,109,654	\$ 1,920,154	\$ 2,159,539	\$ 2,104,086	\$ 10,070,565

* Justification Codes:
A - Return on Investment
B - Public Safety
C - Community Health
D - Efficiency/Other

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PROJECT NO: R2201
PROJECT TITLE: Roll Off Dumpster Purchase
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ 40,000
*Prior Authorized Balance:	\$ 2,065	\$ -	\$ -	\$ -	\$ -	\$ 2,065
2024-2028 Funding:	\$ 22,065	\$ 20,000	\$ -	\$ -	\$ -	\$ 42,065

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Refuse
FUND:	Capital Projects
PROJECT LOCATION:	Field Operations Complex (FOC)
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2022
Est. Completion Date:	2025
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 51,710
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 9,645
% Complete (if underway):	18.7%
Balance to be funded ¹ :	\$ 42,065

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:	3063006.9760	\$ 42,065
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 42,065

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Purchase dumpsters to use with new swap loader, which is dump truck which can 'swap' it's body from dump body, to dumpster, to leaf collection machine quickly. Having City-owned dumpsters would help with the following events which we currently rent dumpsters:

UDNI Student Move out
 Permanent dumpsters at our maintenance yard
 Community Cleanup Events
 Community events such as Community Day, Al Fresco, etc.

2024 Update:

Purchased One (1) Dumpster in 2023 and has been well utilized. We now have a total of 3 dumpsters. Planning to purchase Two (2) Dumpsters in 2024. We have begun planning for a process to allow residents to rent dumpsters from the City for home projects/clean up which would give us more control over the placement and operation of dumpsters in the City. Updated Quote received.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	11,710	9,645	-	\$ 2,065	20,000	20,000	-	-	-	\$ 40,000
CAPITAL RESERVES	-	-	-	\$ -	2,065	-	-	-	-	\$ 2,065
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 11,710	\$ 9,645	\$ -	\$ 2,065	\$ 22,065	\$ 20,000	\$ -	\$ -	\$ -	\$ 42,065
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: REQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Refuse
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 300,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 300,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063026.9623	\$ 300,000
TOTAL PROJECT COST		\$ 300,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.	
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).	

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	-	106,037	-	-	\$ 106,037		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	193,963	-	-	\$ 193,963		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	R E P L A C E M E N T C O S T S				
								2024	2025	2026	2027	2028
	<u>REFUSE COLLECTION</u>											
409	2006 Int'l 7400 26CY One-Man Packer	b. 09/12/05	146,659	8	2013	--	146,659					
410	2015 Peterbuilt 320 Cabover Tractor/Trailer	b. 11/30/14	285,690	8	2021	--	-					
	<u>SPECIAL COLLECTION</u>											
418	2018 Peterbuilt 348 Rear Loader	02/07/18	193,963	8	2026	2026	193,963			300,000		
441	1997 Int'l Knuckleboom	b. 12/31/96	67,190	--	--	--	67,190					
TOTAL REFUSE DIVISION				GROSS ACQUISITION COST				\$ -	\$ -	\$ 300,000	\$ -	\$ -
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	-	(106,037)	-	-
				NET EQUIPMENT SINKING FUND TOTAL				\$ -	\$ -	\$ 193,963	\$ -	\$ -

b. This vehicle will not be replaced.

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	L E A S E P A Y M E N T S C H E D U L E				
							2024	2025	2026	2027	2028
	<u>REFUSE COLLECTION</u>										
423	2009 Int'l 7400 Rear Loader	a. 06/11/09	151,775	2022	2023	5					
411	2016 Freightliner M2 Class 8	a. 05/26/16	232,105	2024	2023	5					
453	2016 Freightliner M2 Class 8	a. 05/26/16	232,105	2024	2023	5					
454	2016 Freightliner M2 Class 8	a. 01/07/16	235,157	2024	2023	5					
456	2016 Freightliner M2 Class 8	a. 01/07/16	235,157	2024	2023	5					
	<u>SPECIAL COLLECTION</u>										
440	2011 Freightliner Knuckleboom M2-106	a. 06/17/11	116,148	2021	2023	5					

a. This vehicle is scheduled to be replaced in 2023.



PROJECT NO: H2401
PROJECT TITLE: Annual Street Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 1,925,000	\$ 2,125,000	\$ 2,125,000	\$ 2,375,000	\$ 2,375,000	\$ 10,925,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 1,925,000	\$ 2,125,000	\$ 2,125,000	\$ 2,375,000	\$ 2,375,000	\$ 10,925,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 10,925,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 10,925,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063006.9960	\$ 10,925,000
TOTAL PROJECT COST		\$ 10,925,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
In 2022 we contracted with a consultant to utilize automated paving conditions data collection and optimization software to collect and analyze our road survey data and update previous reports using the same software. This program provided the City the optimal street repair locations and methods to use for the most economical use of our funding. The result of the analysis was confirmation of the need for an increase in funding for road rehabilitation or else the average Pavement Conditions Index (PCI) for the city will continue to decline and the backlog of needed improvements will continue to increase. As we have previously discussed, the optimization analysis shows that we would need to spend approximately \$1,500,000 - \$2,000,000 each year (2022 values) to maintain our current roadway conditions.
Individual streets are chosen for rehabilitation based on several factors including the report mentioned above, coordination with other operating departments and PWWR divisions, recent development, and funding from legislators.
2024 Update: We have attached a map of our intended paving plan for the 5 year outlook. These are intended to be draft form and there is no guarantee that these streets will be completed in the year that they are listed on this outlook.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	1,344,117	1,544,117	1,544,117	1,794,117	1,794,117	\$ 8,020,585
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS MSA (Updated 2023)	-	-	-	\$ -	520,883	520,883	520,883	520,883	520,883	\$ 2,604,415
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER CTF	-	-	-	\$ -	60,000	60,000	60,000	60,000	60,000	\$ 300,000
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 1,925,000	\$ 2,125,000	\$ 2,125,000	\$ 2,375,000	\$ 2,375,000	\$ 10,925,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

(Below map is horizontal for sizing and spacing purposes)





PROJECT NO: H2402
PROJECT TITLE: ADA Accessibility Transition Plan
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 180,000	\$ 185,000	\$ 195,000	\$ 200,000	\$ 200,000	\$ 960,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 180,000	\$ 185,000	\$ 195,000	\$ 200,000	\$ 200,000	\$ 960,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Inclusive Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 960,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 960,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	3063006.9860	\$ 5,000
Materials:	3063006.9621	\$ 200,000
Other Contracts:	3063006.9760	\$ 755,000
TOTAL PROJECT COST		\$ 960,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The US Department of Justice per the ADA (American with Disabilities Act) requires incorporated communities to establish a transition plan to upgrade their public facilities to meet ADA accessibility standards.

Below are our updated totals as of June 24, 2022:

- ADA Compliant Ramps - 1592
- Non-ADA Compliant Ramps - 182
- Total Number of Ramps - 1,774
- Locations in need of a Ramp - 3

Chart to be updated for 2024 including 2023 currently under construction

Since we have a plan in place to address non-compliant ramps and are successfully following the plan we are in compliance with the ADA requirements.

Possible use of Referendum Bond Funds to offset need for current resources in 2024

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	180,000	185,000	195,000	200,000	200,000	\$ 960,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS CDBG	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 180,000	\$ 185,000	\$ 195,000	\$ 200,000	\$ 200,000	\$ 960,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: H2301
PROJECT TITLE: Annual Street Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
2024-2028 Funding:	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 1,761,302
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 861,302
% Complete (if underway):	48.9%
Balance to be funded ¹ :	\$ 900,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063006.9960	\$ 900,000
TOTAL PROJECT COST		\$ 900,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Annual Street Program from 2023.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	900,000	-	-	\$ 900,000	-	-	-	-	-	\$ -
CAPITAL RESERVES	250,000	3,168	246,832	\$ -	900,000	-	-	-	-	\$ 900,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS MSA (Updated 2018)	551,302	-	551,302	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER CTF	60,000	-	60,000	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,761,302	\$ 3,168	\$ 858,134	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: H2302
PROJECT TITLE: ADA Accessibility Transition Plan
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Inclusive Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 166,441
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 166,441
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
ADA Accessibility Transition Plan from 2023.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	141,441	-	141,441	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS CDBG	25,000	1,056	23,944	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 166,441	\$ 1,056	\$ 165,385	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: H2203
PROJECT TITLE: City Hall Parking Lot Rehabilitation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Inclusive Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 645,937
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 645,937
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ -

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The parking lot at City Hall was originally budgeted for repaving in the early 2000's, this project has been delayed for nearly 20 years. It is difficult to see the lines, the asphalt is cracked and alligatored allowing water to infiltrate and compromise the base. Space also exists to add several spots, including the spaces that will be designated for EV charging station. This project would included an optimized redesign, safety review, milling, patching, paving and striping to accomplish the goal of efficiently using the space available to us. In addition to the above, the City would be looking to add a parking lot fence to protect our Police and Alderman's Court entrances. In 2013 a security survey of police headquarters and city hall was completed by the United States Marshals Service. In their report, the US Marshals made numerous recommendations to increase security at both police headquarters and city hall. Among the identified weaknesses was the unsecured police parking lot with no barrier preventing access by the public. The report cited the ability of a potential assailant to observe police officers and Alderman Judges movement along with allowing unrestricted access to them and their vehicles and the ability to confront them as they leave the building. The report recommended the installation of a high walled security fence with key card or remote-controlled access system to prevent access by pedestrians and non-police vehicles. The report also recommended that within this security fence be parking for the City Alderman so they can access their vehicles and leave the area outside of public view. This would be accomplished by assigning the City Alderman a parking space within the enclosed parking lot on the north side of the building and adjacent to the Court 40 Corridor. While numerous upgrades were made to City Hall, the recommendations for the fenced police parking area were never implemented. As a result, our officers, police vehicles and high valued equipment are vulnerable to assault, vandalism, or theft. This fence will help reduce that exposure and increase the security of our officers and equipment. Please note, in 2021 \$20,937 in prior authorized reserves was transferred from H0206 to H2203. This funding is primarily used for patching and striping high need areas. 2024 Update: Plans are out for bid with the Police lot fencing and potential for paving muni lot.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	20,937	-	20,937	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS State Bond Bill (June 2022)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	625,000	22,891	602,109	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 645,937	\$ 22,891	\$ 623,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: H1503
PROJECT TITLE: Newark Transportation Plan
Implementation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 20,000	\$ 70,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 375,000
*Prior Authorized Balance:	\$ 98,259	\$ -	\$ -	\$ -	\$ -	\$ 98,259
2024-2028 Funding:	\$ 118,259	\$ 70,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 473,259

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2015
Est. Completion Date:	2028
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 1,585,759
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 1,112,500
% Complete (if underway):	70.2%
Balance to be funded ¹ :	\$ 473,259

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063006.9760	\$ 473,259
TOTAL PROJECT COST		\$ 473,259

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Newark City Council has approved the "Newark Transportation Plan" and "Newark Bicycle Plan" and this project intends to begin implementing the recommendations contained within each plan.

Funding remains in the out years in order to take advantage of grant opportunities, we are assuming part of the funds would be to match grant funding and part would be for small one-off projects. Grants are typically available from the State and Federal level. BikeNewark has been an asset to identifying grant opportunities.

Safe Routes To School upgrades for Downes School on Casho Mill Road (SRTS) is now complete.

The major part of this project, the Main Street pedestrian upgrades, was completed in 2020.

2024 Update: Reserves can be used for 2024 funding.

1. Possible funding to update both the Newark Transportation Plan as well as the Newark Bicycle Plan to account for recent upgrades and changes to development patterns, TID, etc.
2. Staff will be working with Wilmapco and other partners on a Comprehensive Safety Plan for all road users. This would allow us to apply for future grant funding through the federal "Safe Streets For All" program.
3. Budgeting \$20,000 for potential grant funding.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	25,000	-	25,000	\$ -	-	50,000	75,000	75,000	75,000	\$ 275,000
CAPITAL RESERVES	98,259	-	-	\$ 98,259	98,259	-	-	-	-	\$ 98,259
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS Delaware Bicycle Council, etc.	-	-	-	\$ -	20,000	20,000	20,000	20,000	20,000	\$ 100,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 123,259	\$ -	\$ 25,000	\$ 98,259	\$ 118,259	\$ 70,000	\$ 95,000	\$ 95,000	\$ 95,000	\$ 473,259
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -

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PROJECT NO: HEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 450,000	\$ 600,000	\$ -	\$ 100,000	\$ 200,000	\$ 1,350,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 450,000	\$ 600,000	\$ -	\$ 100,000	\$ 200,000	\$ 1,350,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Street
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 1,350,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 1,350,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063026.9623	\$ 1,350,000
TOTAL PROJECT COST		\$ 1,350,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.	
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	233,015	276,515	-	46,254	34,969	\$ 590,753
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	216,985	323,485	-	53,746	165,031	\$ 759,247
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ 600,000	\$ -	\$ 100,000	\$ 200,000	\$ 1,350,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS					
								2024	2025	2026	2027	2028	
<u>DUMP TRUCKS</u>													
522	2015 Ford F650	07/31/15	106,500	10	2025	2025	106,500		150,000				
523	2012 Int'l 7400 SBA	10/14/11	161,985	7	2018	2024	161,985	350,000					
542	2017 Ford F350 Super Duty/Dump Body	11/27/17	53,746	10	2027	2027	53,746				100,000		
550	2023 Int'l HV507 SFA 4x2 Dump Truck	12/19/22	185,945	10	2033	2033	185,945						
553	2013 Int'l 7400 Dump Truck/Swap Loader	c. 03/28/13	161,985	10	2023	2025	161,985		350,000				
<u>OTHER EQUIPMENT</u>													
502	1984 Ingersoll Air Compressor	b. 02/13/85	9,529	--	--	--	-						
508	2000 Tarco Windy 400 Vac Leaf Loader	d. 12/15/00	35,200	--	--	--	-						
509	2001 Tarco Windy 400 Vac Leaf Loader	d. 07/13/01	35,200	--	--	--	-						
525	2011 ODB Leaf Machine 20CY	10/14/11	55,000	7	2018	2024	55,000	100,000					
527	2013 ODB Leaf Loader 20CY	03/28/13	55,000	10	2023	2025	55,000		100,000				
531	2018 Case 621G Wheel Loader	06/01/18	165,031	10	2018	2028	165,031					200,000	
TOTAL STREET DIVISION								\$ 450,000	\$ 600,000	\$ -	\$ 100,000	\$ 200,000	
LESS: USE OF CAPITAL RESERVES								-	-	-	-	-	
b. This vehicle will not be replaced.								(233,015)	(276,515)	-	(46,254)	(34,969)	
c. This vehicle is the second swaploader - funds from 508 and 509								NET EQUIPMENT SINKING FUND TOTAL	\$ 216,985	\$ 323,485	\$ -	\$ 53,746	\$ 165,031

VEHICLE NUMBER	DESCRIPTION		LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	L E A S E P A Y M E N T S C H E D U L E				
								2024	2025	2026	2027	2028
515	<u>FOREMAN'S TRUCK</u>											
	2013 Ford F150 Pickup 4x4	a.	06/28/13	19,994	2023	2023	5					
551	<u>SIGNS & PAINTING</u>											
	2012 Ford F450 Stake Truck	a.	01/20/12	50,759	2020	2023	5					
528	<u>DUMP TRUCKS</u>											
	2021 Int'l HV507 SFA 6x4 Swap Loader Truck		08/25/21	260,856	2027	2028	5					300,000
554	2004 Int'l 7400 Dump Truck	a.	11/21/03	95,845	2022	2023	5					
510	<u>OTHER EQUIPMENT</u>											
	2020 Monster 25YD Leaf Loader		08/25/21	75,797	2027	2028	5					100,000
	2013 Case 590 SM Loader/Backhoe 4x4	a.	01/07/14	92,375	2023	2023	5					

a. This vehicle is scheduled to be replaced in 2023.



PROJECT NO: TEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ -	\$ 65,000	\$ -	\$ 165,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 100,000	\$ -	\$ 65,000	\$ -	\$ 165,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Engineering
FUND:	Capital Projects
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 165,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 165,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	3063026.9623	\$ 165,000
TOTAL PROJECT COST		\$ 165,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Planned advance funding accumulated through depreciation to replace essential equipment when necessary.

Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	34,022	-	44,168	-	\$ 78,190
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	65,978	-	20,832	-	\$ 86,810
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 65,000	\$ -	\$ 165,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	R E P L A C E M E N T C O S T S				
								2024	2025	2026	2027	2028
	<u>STAFF VEHICLES</u>											
714	2015 Ford F350 SD Pickup Truck	11/30/14	30,978	10	2025	2025	30,978		50,000			
735	2019 Ram 1500 Classic Tradesman	07/26/19	19,024	10	2029	2029	19,024					
	<u>SURVEY VAN</u>											
746	2013 Ford Van Transit Connect	08/30/13	21,806	10	2023	2025	35,000		50,000			
	<u>INSPECTORS</u>											
700	2019 Chevrolet Equinox AWD	06/07/19	22,122	10	2029	2029	22,122					
711	2019 Ram 1500 Classic Tradesman	07/29/19	19,024	10	2029	2029	19,024					
748	2017 Ford F150 Pickup Truck	08/04/17	20,832	10	2027	2027	20,832				65,000	
TOTAL ENGINEERING DIVISION				GROSS ACQUISITION COST				\$ -	\$ 100,000	\$ -	\$ 65,000	\$ -
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	(34,022)	-	(44,168)	-
				NET EQUIPMENT SINKING FUND TOTAL				\$ -	\$ 65,978	\$ -	\$ 20,832	\$ -



**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
FLEET MAINTENANCE DIVISION**

2024 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET

Maintenance Fund - Public Works and Water Resources Department - Fleet Maintenance Division

Summary:

* as amended

** as proposed

FLEET MAINTENANCE DIVISION - SUMMARY		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>OPERATING EXPENSES</u>									
Personnel Services	\$	509,932	\$ 584,662	\$ 508,274	\$ 575,661	\$ 560,353	\$ 665,987	\$ 105,634	18.9%
Materials and Supplies		609,132	486,070	604,227	869,174	722,700	720,460	(2,240)	-0.3%
Contractual Services		224,529	310,772	367,972	382,222	414,147	454,805	40,658	9.8%
Other Charges		19,787	34,739	42,440	35,633	43,590	31,592	(11,998)	-27.5%
Subtotal	\$	1,363,380	\$ 1,416,243	\$ 1,522,913	\$ 1,862,690	\$ 1,740,790	\$ 1,872,844	\$ 132,054	7.6%
Inter-Dept. Charges		113,660	134,256	97,704	63,167	107,316	71,848	(35,468)	-33.1%
Total Operating Expenses	\$	1,477,040	\$ 1,550,499	\$ 1,620,617	\$ 1,925,857	\$ 1,848,106	\$ 1,944,692	\$ 96,586	5.2%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Maintenance Fund - Public Works and Water Resources Department - Fleet Maintenance Division

Expenditures:

* as amended

** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
6006002	6020	Supervisory	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,264	\$ 63,264	100.0%
6006002	6250	Mechanics	280,075	299,875	393,080	304,274	312,683	322,740	10,057	3.2%
6006002	6580	Service Award	5,831	6,309	6,803	7,388	8,002	8,994	992	12.4%
6006002	6590	Sick Pay	4,765	4,669	5,085	4,902	5,246	3,731	(1,515)	-28.9%
6006002	6620	Overtime	6,122	21,042	23,992	16,401	26,000	26,000	-	0.0%
6006002	6880	Uniform Allowance	2,400	2,400	2,400	2,400	2,400	2,400	-	0.0%
6006002	6881	Tool Allowance	1,400	1,400	1,400	1,400	1,600	2,000	400	25.0%
6006002	6885	Device Reimbursement	1,500	1,500	1,500	1,500	1,500	2,100	600	40.0%
6006002	6920	Unemployment Comp. Ins.	1,147	1,264	1,179	1,124	1,334	634	(700)	-52.5%
6006002	6930	Social Security Taxes	22,985	25,449	33,077	25,658	27,102	32,175	5,073	18.7%
6006002	6940	City Pension Plan	117,245	154,348	(30,943)	128,738	79,383	71,740	(7,643)	-9.6%
6006002	6941	Defined Contribution 401(a) Plan	4,762	5,204	5,295	5,321	5,482	10,427	4,945	90.2%
6006002	6950	Term Life Insurance	1,591	1,636	1,554	1,446	1,466	1,835	369	25.2%
6006002	6960	Group Hospitalization Ins.	41,602	45,244	55,141	52,800	61,360	89,070	27,710	45.2%
6006002	6961	Long-Term Disability Ins.	635	664	536	395	402	556	154	38.3%
6006002	6962	Dental Insurance	2,316	2,388	2,748	2,574	2,941	3,912	971	33.0%
6006002	6963	Flexible Spending Account	-	-	63	63	-	-	-	0.0%
6006002	6964	Health Savings Account	1,500	1,500	750	1,500	1,500	750	(750)	-50.0%
6006002	6965	Post-Employment Benefits	12,504	8,136	2,160	15,342	19,690	19,690	-	0.0%
6006002	6966	Retirement Health Savings Account	1,400	1,476	1,470	1,464	1,486	3,016	1,530	103.0%
6006002	6967	Emergency Room Reimbursements	-	-	800	800	580	725	145	25.0%
6006002	6968	Vision Insurance Premiums	152	158	184	171	196	228	32	16.3%
TOTAL PERSONNEL SERVICES			\$ 509,932	\$ 584,662	\$ 508,274	\$ 575,661	\$ 560,353	\$ 665,987	\$ 105,634	18.9%

**CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET**

Maintenance Fund - Public Works and Water Resources Department - Fleet Maintenance Division

Expenditures: * as amended ** as proposed

MATERIALS AND SUPPLIES										
			2019	2020	2021	2022	2023	2024	\$ DIFFERENCE	% DIFFERENCE
			ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET *	BUDGET **	FROM 2023-24	FROM 2023-24
6006003	7060	Tire & Tire Repair Expense	\$ 83,876	\$ 77,416	\$ 82,162	\$ 86,946	\$ 110,000	\$ 100,000	\$ (10,000)	-9.1%
6006003	7070	Gasoline, Oil, Coolant, Etc.	317,258	197,019	315,290	505,406	350,000	350,000	-	0.0%
6006003	7110	Safety Shoes and Supplies	1,249	1,203	1,069	900	1,200	1,500	300	25.0%
6006003	7130	Tools, Field Sup., & Small Eq.	5,685	884	10,647	8,066	10,000	13,210	3,210	32.1%
6006003	7150	Office Supplies	28	9	-	-	500	750	250	50.0%
6006003	7230	Janitorial Supplies	-	39	-	-	-	-	-	0.0%
6006003	7250	Buildings and Grounds Maint. Supplies	590	469	178	-	-	-	-	0.0%
6006003	7300	Machinery & Equip. Maintenance	472	-	-	-	1,000	5,000	4,000	400.0%
6006003	7310	Vehicle Maintenance	199,974	209,031	194,881	267,856	250,000	250,000	-	0.0%
TOTAL MATERIALS & SUPPLIES			\$ 609,132	\$ 486,070	\$ 604,227	\$ 869,174	\$ 722,700	\$ 720,460	\$ (2,240)	-0.3%

CONTRACTUAL SERVICES										
			2019	2020	2021	2022	2023	2024	\$ DIFFERENCE	% DIFFERENCE
			ACTUAL	ACTUAL	ACTUAL	ACTUAL	BUDGET *	BUDGET **	FROM 2023-24	FROM 2023-24
6006004	8030	Casualty Insurance	\$ 7,283	\$ 7,797	\$ 4,972	\$ 5,840	\$ 6,611	\$ 5,982	\$ (629)	-9.5%
6006004	8031	Insurance - Property	45,157	54,411	53,622	56,330	65,340	84,210	18,870	28.9%
6006004	8032	Insurance - Auto	3,383	4,143	3,422	2,488	3,744	4,079	335	8.9%
6006004	8033	Insurance - Broker	5,506	5,574	2,205	975	973	920	(53)	-5.4%
6006004	8035	Insurance - Worker's Compensation	10,209	13,476	14,546	14,036	15,400	15,400	-	0.0%
6006004	8050	Phone/Communications	169	190	166	140	200	200	-	0.0%
6006004	8131	Information Technology Cont'l	4,082	5,312	4,493	10,882	9,189	11,241	2,052	22.3%
6006004	8300	Machinery & Equip. Maintenance	-	2,800	3,898	-	3,300	4,000	700	21.2%
6006004	8310	Vehicle Maintenance	74,379	105,525	169,626	194,287	200,000	201,755	1,755	0.9%
6006004	8311	Vehicle Accidents	5,724	27,617	27,117	4,827	10,000	10,000	-	0.0%
6006004	8312	Fleet & Facilities Services	68,604	83,888	83,835	92,371	99,390	117,018	17,628	17.7%
6006004	8550	Misc. Contracted Services	33	39	70	46	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			\$ 224,529	\$ 310,772	\$ 367,972	\$ 382,222	\$ 414,147	\$ 454,805	\$ 40,658	9.8%

CITY OF NEWARK, DELAWARE
2024 OPERATING BUDGET

Maintenance Fund - Public Works and Water Resources Department - Fleet Maintenance Division

Expenditures: * as amended ** as proposed

OTHER CHARGES								\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **		
6006005	9020	Mileage & Small Bus. Expense	\$ -	\$ 15	\$ -	\$ -	\$ -	\$ -	0.0%
6006005	9060	Depreciation Expense	16,978	34,624	42,260	33,849	41,590	27,592	-33.7%
6006005	9070	Training & Continuing Educ/Conf	2,809	100	180	1,784	2,000	4,000	100.0%
TOTAL OTHER CHARGES			\$ 19,787	\$ 34,739	\$ 42,440	\$ 35,633	\$ 43,590	\$ 31,592	-27.5%

INTER-DEPT. CHARGES								\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **		
	Billings and Accounting	\$ 1,943	\$ 18,570	\$ 19,319	\$ 22,778	\$ 19,783	\$ 26,235	\$ 6,452	32.6%
	Electricity	71,300	71,545	47,601	4,655	55,244	5,377	(49,867)	-90.3%
	Information Technology	18,778	21,796	20,983	20,199	23,205	23,675	470	2.0%
	Other Indirect Charges	21,639	22,345	9,801	15,535	9,084	16,561	7,477	82.3%
TOTAL INTER-DEPT. CHARGES			\$ 113,660	\$ 134,256	\$ 97,704	\$ 63,167	\$ 107,316	\$ 71,848	-33.1%

OPERATING EXPENSES - FLEET MAINTENANCE DIVISION								\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **		
TOTAL OPERATING EXPENSES			\$ 1,477,040	\$ 1,550,499	\$ 1,620,617	\$ 1,925,857	\$ 1,848,106	\$ 1,944,692	5.2%

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**PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
FLEET MAINTENANCE DIVISION**

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2024-2028
(with current year amended budget)

MAINTENANCE FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
*Prior Authorized Balance:						\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:						\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	-----2024----- RESERVES AND OTHER FUNDING CURRENT FUNDING		2024	2025	2026	2027	2028	TOTAL
MEQSF	Equipment Replacement Program	B	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
Total Maintenance Fund - Fleet Maintenance Division			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
	LESS: USE OF RESERVES		-	-	-	-	-	-	-	-	-
	VEHICLE & EQUIPMENT REPLACEMENT		-	-	-	-	-	(35,388)	-	-	(35,388)
	GRANTS		-	-	-	-	-	-	-	-	-
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		-	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
	NET CAPITAL IMPROVEMENTS		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 34,612	\$ -	\$ -	\$ 34,612

* Justification Codes:
A - Return on Investment
B - Public Safety
C - Community Health
D - Efficiency/Other



PROJECT NO: MEQSF
PROJECT TITLE: Equipment Replacement Program
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	PWWR
DIVISION:	Fleet Maintenance
FUND:	Maintenance
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 70,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 70,000

¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	6006006.9623	\$ 70,000
TOTAL PROJECT COST		\$ 70,000

² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.	
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).	

PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP		
CURRENT RESOURCES	-	-	-	\$ -	-	-	34,612	-	-	\$ 34,612		
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	35,388	-	-	\$ 35,388		
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -		
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ 70,000		
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:		2024	2025	2026	2027	2028	TOTAL
					INCREMENTAL COSTS (NET SAVINGS)		-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028
MAINTENANCE FUND, PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, FLEET MAINTENANCE DIVISION

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	R E P L A C E M E N T C O S T S				
								2024	2025	2026	2027	2028
	STAFF VEHICLES											
650	2019 Ford F350 Dual Wheel 4X2	08/29/19	39,969	10	2029	2029	39,969					
652	2016 Ford F350 Super Duty Pickup Truck	11/05/15	35,388	10	2026	2026	35,388			70,000		
TOTAL FLEET MAINTENANCE DIVISION				GROSS ACQUISITION COST				\$ -	\$ -	\$ 70,000	\$ -	\$ -
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	-	(34,612)	-	-
				NET EQUIPMENT SINKING FUND TOTAL				\$ -	\$ -	\$ 35,388	\$ -	\$ -



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

APPENDICES

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,720.00	2,720.00	-	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	ACS - ClearScada Annual Maintenance (ACS)	Annual	4,100.00	4,100.00	-	ClearScada, Topview, Kepware, GeoScada
8131	Bluebeam Revu	Annual	447.00	1,205.00	758.00	PDF Based Engineering Review and Collaboration Software Maintenance
8131	Comcast / Verizon South Chapel St South Well Field (SWF) \$117.25	Monthly	1,440.00	1,440.00	-	Internet Connection
8131	Tropos Software Maintenance - Allocated	Annual	15,750.00	-	(15,750.00)	Smart-Meter System (Wireless Infrastructure)
8131	Honeywell Software Maintenance - Connexo Allocated	Annual	11,025.00	8,447.00	(2,578.00)	Smart-Meter System (Radio Infrastructure) & FieldSense
8131	Esri Small Government ELA - Allocated	Annual	2,750.00	2,750.00	-	GIS Server, Client, Cloud Licensing
8131	Harris - Smartworks Software Migration to SaaS	One Time	-	4,410.00	4,410.00	Migrate from on premise to SaaS solution
8131	Harris - Smartworks - Extended Support - Allocated	Annual	4,468.00	4,647.07	179.07	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	7,676.00	10,955.97	3,279.97	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	15,459.00	16,136.95	677.95	Utility Billing Software (including Smart-Meter System)
8131	Redhat Software Maintenance - Allocated	Annual	550.00	550.00	-	Smart Meter - Linux Operating System for Servers
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	6,640.45	736.21	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	11,280.00	13,200.00	1,920.00	Computer Mobile Internet Connectivity
8131	Verizon - Cellular/Data - Allocated	Monthly	-	2,268.00	2,268.00	Smart-Meter System (Cellular Connectivity)
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	2,122.00	2,122.00	-	VOIP Phone System
<i>8131 Subtotal:</i>			<i>85,691.24</i>	<i>81,592.44</i>	<i>(4,098.80)</i>	
			\$ 85,691.00	\$ 81,592.00	\$ (4,099.00)	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,720.00	2,720.00	-	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Comcast / Verizon 135 W Chestnut Hill Road (Silverbrook) \$142.25	Monthly	-	1,750.00	1,750.00	Internet Connection
8131	Tropos Software Maintenance - Allocated	Annual	15,750.00	-	(15,750.00)	Smart-Meter System (Wireless Infrastructure)
8131	Honeywell Software Maintenance - Connexo Allocated	Annual	11,025.00	8,447.00	(2,578.00)	Smart-Meter System (Radio Infrastructure) & FieldSense
8131	Esri Small Government ELA - Allocated	Annual	2,750.00	2,750.00	-	GIS Server, Client, Cloud Licensing
8131	Harris - Smartworks Software Migration to SaaS	One Time	-	4,410.00	4,410.00	Migrate from on premise to SaaS solution
8131	Harris - Smartworks - Extended Support - Allocated	Annual	4,468.00	4,647.07	179.07	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	7,676.00	10,955.97	3,279.97	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	15,459.00	16,136.95	677.95	Utility Billing Software (including Smart-Meter System)
8131	Redhat Software Maintenance - Allocated	Annual	550.00	550.00	-	Smart Meter - Linux Operating System for Servers
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	7,380.30	8,300.57	920.27	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	-	480.00	480.00	Computer Mobile Internet Connectivity
8131	Verizon - Cellular/Data - Allocated	Monthly	-	2,268.00	2,268.00	Smart-Meter System (Cellular Connectivity)
8131 Subtotal:			67,778.30	63,415.56	(4,362.74)	
			\$ 67,778.00	\$ 63,416.00	\$ (4,362.00)	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,720.00	2,720.00	-	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	15,459.00	16,136.93	677.93	Utility Billing Software (including Smart-Meter System)
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	6,640.45	736.21	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	960.00	1,920.00	960.00	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	350.00	350.00	-	VOIP Phone System
8131 Subtotal:			25,393.24	27,767.38	2,374.14	
			\$ 25,393.00	\$ 27,767.00	\$ 2,374.00	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	6,640.45	736.21	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	1,440.00	1,440.00	-	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	350.00	350.00	-	VOIP Phone System
8131 Subtotal:			7,694.24	8,430.45	736.21	
			\$ 7,694.00	\$ 8,430.00	\$ 736.00	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,428.18	4,980.34	552.16	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	480.00	480.00	-	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	350.00	350.00	-	VOIP Phone System
8131 Subtotal:			5,258.18	5,810.34	552.16	
			\$ 5,258.00	\$ 5,810.00	\$ 552.00	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	Bluebeam Revu	Annual	447.00	3,479.00	3,032.00	PDF Based Engineering Review and Collaboration Software Maintenance
8131	Esri Small Government ELA - Allocated	Annual	2,750.00	2,750.00	-	GIS Server, Client, Cloud Licensing
8131	Hydrocad	Annual	200.00	200.00	-	Stormwater Modeling Software
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	6,640.45	736.21	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	6,300.00	4,428.00	(1,872.00)	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	3,534.00	3,534.00	-	VOIP Phone System
8131	HP Plotter (63 month) - Allocated	Year 3 of 5	1,218.84	1,218.84	-	Wide Format Plotter and Scanner
<i>8131 Subtotal:</i>			<i>20,354.08</i>	<i>22,250.29</i>	<i>1,896.21</i>	
			\$ 20,354.00	\$ 22,250.00	\$ 1,896.00	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION
APPENDIX A - OBJECT CODE 8131 - (2023 AND 2024 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
8131	ShopKey Software Renewal	Annual	3,700.00	3,700.00	-	ShopKey Vehicle Maintenance Software Renewal
8131	Snap On Modis Ultra Handheld Scanner Software	Annual	-	1,500.00	1,500.00	Snap-On Vehicle Diagnostic Handheld Scanner Software
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,428.18	4,980.34	552.16	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	1,061.00	1,061.00	-	VOIP Phone System
8131 Subtotal:			9,189.18	11,241.34	2,052.16	
			\$ 9,189.00	\$ 11,241.00	\$ 2,052.00	