PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

2023 BUDGET PRESENTATION

TO CITY COUNCIL

AS PRESENTED ON:
SEPTEMBER 12th, 2022

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

DIRECTOR OF PUBLIC WORKS AND WATER RESOURCES

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CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
2023 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
2023 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
2022 DEPARTMENTAL ACCOMPLISHMENTS

Key accomplishments in 2022 include:

- Stormwater Utility:
  - Completed design and bidding for replacement and repair of several large pipes, including the Edjil Drive Culverts and Fremont Road Culvert.
  - Completed the Rodney Park and Stormwater Pond Project.
  - Completed a preliminary analysis on drainage issue near Julie Lane and Casho Mill Road.

- Sewer Utility:
  - Completed the inspection and lining of approximately 10,000 linear feet of degraded sewer line, increasing the life span by a minimum of 50 years.

- Water Utility:
  - Completed a $2 million water main replacement program to address deteriorated pipes, water quality concerns, and pressure and flow improvements. Locations include Chrysler Ave, East Park Place, and Dallam Road.
  - Complete 2/3 of the water valve maintenance program, with completion slated for Spring 2023.
  - Completed design and construction on a chlorine booster station at New London Tank.
  - Negotiated a new lease for cell tower antennae at our New London Tank.

- Refuse:
  - Took delivery of two rolloff dumpsters that our crews are able to service. These dumpsters have saved over $1200 in disposal fees each in the 2022 UDNI program alone.
  - Completed 3,723 Bulk Collections (up to 4 items per collection) year to date as of September 1, 2022. Annual total is 5,695 for the 12 months of Sept. 1, 2021 through Sept. 1, 2022.
  - Added refuse service for fee in out of town area with annexation history. (Christine Manor)

- Street:
  - Completed paving and rehabilitation of streets and curbs in 14 segments of street around the City, including Hillside Road and Forest Lane in conjunction with Hillside Park.
  - Replaced 42 curb ramps for ADA Accessibility in various locations around the City.
  - Rolled out a mandatory training program for new Commercial Driver's License (CDL) applicants per new federal motor carrier rules.

- Engineering:
  - 2022 plan review data as of Sept. 1, 2022:
    1. Lines and Grades Plans = 32
    2. Subdivision Plans = 17
    3. CIPs = 8
    4. Total Number of Submissions: 84 (this includes as-builts and other reviews that may not be a L&G, Subdivision or CIP)
    5. Average Days in Que = 34

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

Goals for 2023 include:

- Continue to take advantage of funding through the American Recovery Plan Act (ARPA) to rehabilitate or replace aging infrastructure in our Water, Sanitary Sewer, and Stormwater Utilities. This will include approximately $2 million in Water Main replacements and $1 million in sanitary sewer study and repair.

- Implement recommended engineering solutions for flooding at Julie Lane.

- Address emerging contaminants at water treatment facilities 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.

- Decrease the plan review time needed for development plans through changes to our review process to allow for emphasis to be placed on complete submissions and design details from consultants.

- Address employee onboarding and training for new employees to streamline the transition from longtime employees in senior field positions as they retire. Build on the CDL training program rolled out in 2022 to standardize

- Improve field services at the resident level through data collection and analysis of GPS data and field service logs through GIS programs.

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

WATER DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*1,528,663*	*1,719,104*	*190,441*	*12.46%*	**Request of 2 new FTE positions in FY23 [see below detail]. Additionally, standard step increases and advancements.*
Part-time Wages	*50,015*	*21,000*	*(29,015)*	*-58.01%*	**Reduction of 1 PT positions in FY23 [see below detail].*
Other Wages	*236,347*	*266,985*	*30,638*	*12.96%*	**Relating to our staffing increases in FY23, we are requesting additional funding of $15,000 for line item 6620 (Overtime), $7,400 for item 6623 (Weekend Premium) and $1,800 for item 6880 (Uniform Allowance).*
Benefits	*820,756*	*991,664*	*170,908*	*20.82%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 2,635,781	$ 2,998,753	362,972	13.77%	*Sum of above listed wages and benefits
Materials and Supplies	$ 409,400	$ 476,900	67,500	16.49%	*Two new line items were created for 2023. $2,500 was added to new line item 7255 (Vandalism Supplies) and $19,000 was added to new line item 7271 (SCADA System Maintenance Supplies) in 2023. Additionally, due to increased Supply costs seen across the board, several other line items were increased in FY23.
Contractual Services	$ 1,055,022	$ 1,215,830	160,808	15.24%	*Two new line items were created for 2023. $2,500 was added to new line item 8255 (Vandalism Contractual) and $10,000 was added to new line item 8271 (SCADA System Maintenance Contractual) in 2023. Additionally, due to increased Contractual costs seen across the board, several other line items were increased in FY23.
Other - Depreciation	$ 58,512	$ 58,940	428	0.73%	*Finance Calculation
Other - Debt Service (Principal)	$ 1,708,989	$ 414,963	(1,294,026)	-75.72%	*Finance Calculation
Other - Debt Service (Interest)	$ 528,184	$ 624,988	96,804	18.33%	*Finance Calculation
Other Expenditures	$ 43,938	$ 16,401	(27,537)	-62.67%	*FY23 decrease is due to our line item 9054 (Amortization of Refinance Loss) being paid off in FY22. FY22 budget was $28,708.
Subtotal:	**$ 6,439,826**	**$ 5,806,775**	**$ (633,051)**	**-9.83%**	
Inter-Dept. Charges	$ 637,394	$ 707,908	70,514	11.06%	*Reflects the cost share of City overhead which includes: Administrative Overhead, Billings and Accounting, Electricity Used, Information Technology, Other Indirect Charges, Printing and Reproduction and Warehousing
Total Operating Expenses:	**$ 7,077,220**	**$ 6,514,683**	**$ (562,537)**	**-7.95%**	
Full-time Positions	21	23	2		*Increase of 2 (or 1.5) FTE from FY22 to FY23: +1 FTE [Administrative Professional I] +1 FTE [Equipment Operator] -.5 FTE [Administrative Professional I - P/T]

CITY OF NEWARK, DELAWARE
2023-2027 CAPITAL IMPROVEMENTS PROGRAM SUMMARY
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

EXECUTIVE SUMMARY (continued)

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
New projects:		
W2302	New Elevated Water Storage Tank	New Project added in 2023-2027 Capital Improvement Program - (Est. Completion Date: 2025)
W2303	Water Main Conditions Assessment	New Project added in 2023-2027 Capital Improvement Program - (Est. Completion Date: 2026)
W2304	Lead Water Service Line (LSL) Assessment and Remediation	New Project added in 2023-2027 Capital Improvement Program - (Est. Completion Date: 2027)
Ongoing projects:		
W2201	Water Facilities Security Improvements	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W2203	Well and Wellhouse Facility Upgrades	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
W2204	Curtis WTP - Treatment Units 4/5 Rehabilitation	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W2206	Emerging Contaminants WTP Upgrades	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W2101	Evergreen Booster Station Rehabilitation	Project listed in 2022-2026 CIP - (Est. Completion Date: 2022)
W2102	Highfield Drive Booster Station Rehabilitation	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W2103	New London Water Tank Chlorination	Project listed in 2022-2026 CIP - (Est. Completion Date: 2022)
W2001	Newark Reservoir Upgrades	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
W1701	Valve Inspection, Exercising and Rehabilitation	Perpetual Project
W1702	Source Water Protection	Perpetual Project
W1703	Laird Tract Well Field Restoration	Project listed in 2022-2026 CIP - (Est. Completion Date: 2022)
W1601	Backup Generation at Water Facilities	Project listed in 2023-2027 CIP - (Est. Completion Date: 2025)
W1602	Roseville Park Pressure District	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
W1503	Academy Street Interconnection Pump Station	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
W0503	Well Restoration Program	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
W9302	Water SCADA System	Project listed in 2022-2026 CIP - (Est. Completion Date: 2022)
W9308	Water Main Replacement Program	Perpetual Project
W8605	Water Tank Maintenance	Perpetual Project
WEQSF	Equipment Replacement Program	Perpetual Project

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Summary:

* as amended ** as proposed

WATER DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
REVENUES								
Sale of Water	$ 9,347,665	$ 9,102,939	$ 8,170,030	$ 8,975,021	$ 9,100,000	$ 9,344,500	$ 244,500	2.7%
Penalties	20,257	25,340	24,197	27,850	22,000	25,000	3,000	13.6%
Service Fees	27,751	21,945	53,644	57,919	35,000	35,000	-	0.0%
Other Revenues	160,898	159,458	218,973	179,676	118,000	135,000	17,000	14.4%
Interest Revenue	30,920	35,858	21,531	31,726	30,000	30,000	-	0.0%
Subtotal	$ 9,587,491	$ 9,345,540	$ 8,488,375	$ 9,272,192	$ 9,305,000	$ 9,569,500	$ 264,500	2.8%
Less: Water Purchased	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gross Operating Revenue	$ 9,587,491	$ 9,345,540	$ 8,488,375	$ 9,272,192	$ 9,305,000	$ 9,569,500	$ 264,500	2.8%
OPERATING EXPENSES								
Personnel Services	$ 2,124,854	$ 2,696,643	$ 2,112,806	$ 2,247,228	$ 2,635,781	$ 2,998,753	$ 362,972	13.8%
Utility Purchases	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Materials & Supplies	319,958	349,823	319,009	353,703	409,400	476,900	67,500	16.5%
Contractual Services	942,083	882,481	778,021	857,559	1,055,022	1,215,830	160,808	15.2%
Other Charges	1,856,771	1,851,404	1,847,783	2,007,129	2,339,623	1,115,292	(1,224,331)	-52.3%
Subtotal	$ 5,243,666	$ 5,780,351	$ 5,057,619	$ 5,465,619	$ 6,439,826	$ 5,806,775	$ (633,051)	-9.8%
Inter-Dept. Charges	554,335	864,845	473,775	571,340	637,394	707,908	70,514	11.1%
Total Operating Expenses	$ 5,798,001	$ 6,645,196	$ 5,531,394	$ 6,036,959	$ 7,077,220	$ 6,514,683	$ (562,537)	-7.9%
Net Operating Margin (Before Capital Costs)	**$ 3,789,490**	**$ 2,700,344**	**$ 2,956,981**	**$ 3,235,233**	**$ 2,227,780**	**$ 3,054,817**	**$ 827,037**	**37.1%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5295202	6020	Supervisory	$ 381,809	$ 375,864	$ 395,851	$ 387,081	$ 410,086	$ 432,992	$ 22,906	5.6%
5295202	6030	Engineering/Technical	853	126	-	36,369	37,304	38,037	733	2.0%
5295202	6050	Information Technology	-	54,973	60,630	61,955	65,722	69,394	3,672	5.6%
5295202	6080	Clerical	83,291	86,602	99,650	85,883	93,680	113,885	20,205	21.6%
5295202	6200	Line Maintenance	385,101	428,851	440,453	405,041	425,689	519,447	93,758	22.0%
5295202	6210	Inspectors	57,703	60,911	67,150	68,543	72,764	75,953	3,189	4.4%
5295202	6220	Plant Operators	288,853	299,327	317,271	559,252	382,431	396,948	14,517	3.8%
5295202	6230	Maintenance Workers	65,230	66,475	70,528	68,757	70,002	72,448	2,446	3.5%
5295202	6580	Service Award	22,944	24,535	23,146	24,474	27,090	31,971	4,881	18.0%
5295202	6590	Sick Pay	7,355	11,198	22,777	15,239	18,517	19,174	657	3.5%
5295202	6610	Seasonal Workers	10,652	14,661	2,033	9,576	14,000	14,000	-	0.0%
5295202	6615	Interns	5,077	4,856	-	-	7,000	7,000	-	0.0%
5295202	6620	Overtime	173,272	224,084	176,104	178,396	150,000	165,000	15,000	10.0%
5295202	6621	Shift Differential	5,812	5,934	5,770	5,466	7,000	7,000	-	0.0%
5295202	6622	Holiday Premium	15,302	13,501	18,275	17,038	18,000	18,000	-	0.0%
5295202	6623	Weekend Premium	3,497	3,116	3,297	6,644	2,600	10,000	7,400	284.6%
5295202	6880	Uniform Allowance	7,570	7,870	7,420	7,370	7,440	9,240	1,800	24.2%
5295202	6885	Device Reimbursement	4,625	5,225	5,175	5,625	5,700	6,600	900	15.8%
5295202	6920	Unemployment Comp. Ins.	5,749	6,363	6,580	6,137	6,385	7,340	955	15.0%
5295202	6930	Social Security Taxes	110,462	124,665	127,739	144,062	135,598	149,075	13,477	9.9%
5295202	6940	City Pension Plan	318,589	497,304	(19,878)	(231,974)	221,346	234,230	12,884	5.8%
5295202	6941	Defined Contribution 401(a) Plan	24,965	38,722	41,672	48,958	53,552	66,138	12,586	23.5%
5295202	6950	Term Life Insurance	5,533	6,934	6,264	6,185	6,912	7,712	800	11.6%
5295202	6960	Group Hospitalization Ins.	254,522	250,829	269,728	294,335	302,608	416,387	113,779	37.6%
5295202	6961	Long-Term Disability Ins.	2,191	2,854	2,613	2,033	1,956	2,141	185	9.5%
5295202	6962	Dental Insurance	14,287	13,869	14,242	15,487	17,297	21,267	3,970	23.0%
5295202	6963	Flexible Spending Account	189	142	189	173	126	189	63	50.0%
5295202	6964	Health Savings Account	1,500	1,500	1,500	1,500	2,250	3,000	750	33.3%
5295202	6965	Post-Employment Benefits	(142,700)	52,979	(66,878)	2,828	55,629	61,810	6,181	11.1%
5295202	6966	Retirement Health Savings Account	6,977	10,696	10,804	12,306	13,134	17,832	4,698	35.8%
5295202	6967	Emergency Room Reimbursements	2,775	800	1,833	1,600	2,972	3,408	436	14.7%
5295202	6968	Vision Insurance Premiums	869	877	868	889	991	1,135	144	14.5%
TOTAL PERSONNEL SERVICES			**$ 2,124,854**	**$ 2,696,643**	**$ 2,112,806**	**$ 2,247,228**	**$ 2,635,781**	**$ 2,998,753**	**$ 362,972**	**13.8%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5295203	7080	Pumping Station Electric	$ 30,585	$ 29,216	$ 24,612	$ 26,112	$ 40,000	$ 50,000	$ 10,000	25.0%
5295203	7090	Treatment Plant Chemicals	110,796	103,949	92,477	109,937	140,000	150,000	10,000	7.1%
5295203	7110	Safety Shoes and Supplies	7,220	5,699	5,244	4,552	5,400	5,400	-	0.0%
5295203	7130	Tools, Field Sup., & Small Eq.	14,604	10,867	14,327	12,059	12,500	14,000	1,500	12.0%
5295203	7140	Uniforms	58	-	-	-	-	-	-	0.0%
5295203	7150	Office Supplies	4,981	3,265	2,586	3,050	4,000	3,500	(500)	-12.5%
5295203	7255	Vandalism Supplies	-	-	-	-	-	2,500	2,500	100.0%
5295203	7260	Line Maintenance	85,119	124,650	119,292	116,446	110,000	120,000	10,000	9.1%
5295203	7270	Station and Well Maintenance Supplies	12,922	7,470	10,620	6,420	15,000	20,000	5,000	33.3%
5295203	7271	SCADA System Maintenance Supplies	-	-	-	-	-	19,000	19,000	100.0%
5295203	7275	Reservoir Maintenance	8,170	4,594	4,065	1,485	7,500	8,500	1,000	13.3%
5295203	7280	Treatment Plant Maintenance	15,616	15,472	9,273	30,010	35,000	40,000	5,000	14.3%
5295203	7330	Water Meters	39,172	44,883	38,023	48,914	40,000	44,000	4,000	10.0%
5295203	7540	Inventory Adjustment	(9,285)	(242)	(1,604)	(5,282)	-	-	-	0.0%
5295203	7550	Miscellaneous Supplies	-	-	94	-	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 319,958**	**$ 349,823**	**$ 319,009**	**$ 353,703**	**$ 409,400**	**$ 476,900**	**$ 67,500**	**16.5%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5295204	8020	Advertising	$ 8,154	$ 978	$ 1,169	$ 3,252	$ 3,600	$ 3,600	$ -	0.0%
5295204	8030	Casualty Insurance	25,148	26,846	27,159	30,349	33,141	36,832	3,691	11.1%
5295204	8031	Insurance - Property	90,456	91,774	97,501	104,740	117,831	131,712	13,881	11.8%
5295204	8032	Insurance - Auto	26,793	25,880	20,698	20,531	22,739	25,632	2,893	12.7%
5295204	8033	Insurance - Broker	12,681	13,056	13,181	7,419	5,147	5,421	274	5.3%
5295204	8035	Insurance - Worker's Compensation	-	34,252	45,183	48,831	59,200	51,800	(7,400)	-12.5%
5295204	8040	Merchant Fees and Discounts	102,842	101,478	87,240	94,938	105,000	90,000	(15,000)	-14.3%
5295204	8050	Phone/Communications	3,277	3,948	945	441	1,840	450	(1,390)	-75.5%
5295204	8120	Outside Engineering	37,953	49,244	44,561	111,625	115,000	125,000	10,000	8.7%
5295204	8130	Building & Equipment Rental	4,382	1,045	778	2,506	3,500	3,500	-	0.0%
5295204	8131	Information Technology Cont'l	44,836	48,105	80,097	75,088	82,244	85,691	3,447	4.2%
5295204	8150	Water Service Contracts	73,061	72,605	73,763	24,903	45,000	55,000	10,000	22.2%
5295204	8255	Vandalism Cont'l	-	-	-	-	-	2,500	2,500	100.0%
5295204	8260	Line Maintenance	42,213	26,545	37,150	21,844	60,000	125,000	65,000	108.3%
5295204	8270	Station and Well Maintenance Cont'l	10,345	12,097	15,338	16,966	37,500	48,000	10,500	28.0%
5295204	8271	SCADA System Maintenance Cont'l	-	-	-	-	-	10,000	10,000	100.0%
5295204	8275	Reservoir Maintenance	24,673	28,638	31,310	26,478	30,000	35,000	5,000	16.7%
5295204	8280	Treatment Plant Maintenance	82,964	118,600	30,703	21,819	90,000	90,000	-	0.0%
5295204	8312	Fleet & Facilities Services	319,113	166,488	139,068	182,952	184,780	210,192	25,412	13.8%
5295204	8313	Self-Insurance Services	2,402	21,525	190	26,100	-	-	-	0.0%
5295204	8325	Tank Cleaning and Inspection	2,500	5,284	1,555	8,445	10,000	35,000	25,000	250.0%
5295204	8330	Meter Testing and Repairs	204	53	-	70	12,500	7,500	(5,000)	-40.0%
5295204	8550	Misc. Contracted Services	6,456	12,245	8,097	6,467	10,000	10,000	-	0.0%
5295204	8899	Mowing Contract	21,630	21,795	22,335	21,795	26,000	28,000	2,000	7.7%
TOTAL CONTRACTUAL SERVICES			**$ 942,083**	**$ 882,481**	**$ 778,021**	**$ 857,559**	**$ 1,055,022**	**$ 1,215,830**	**$ 160,808**	**15.2%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5295205	9002	Subvention - Aetna Hook and Ladder	$ -	$ 3,644	$ 5,543	$ 4,760	$ 3,300	$ 3,300	$ -	0.0%
5295205	9010	Bad Debt Expense	25,696	1,488	1,321	1,452	3,930	3,101	(829)	-21.1%
5295205	9020	Mileage & Small Bus. Expense	4	-	-	-	-	-	-	0.0%
5295205	9051	Debt Serv. Prin.	1,095,000	1,140,000	1,185,000	1,230,000	1,275,000	-	(1,275,000)	-100.0%
5295205	9052	Debt Serv. Int.	168,169	134,925	99,165	76,710	38,250	-	(38,250)	-100.0%
5295205	9054	Amortization of Refinance Loss	34,443	34,443	34,443	34,443	28,708	-	(28,708)	-100.0%
5295205	9056	Debt Serv. Prin. - Smart Meters	342,320	349,851	357,548	365,414	373,450	381,668	8,218	2.2%
5295205	9057	Debt Serv. Int. - Smart Meters	83,221	75,690	67,993	60,127	52,088	43,872	(8,216)	-15.8%
5295205	9058	Debt Serv. Prin. - ECM	34,510	35,202	35,908	36,628	27,952	-	(27,952)	-100.0%
5295205	9059	Debt Serv. Int. - ECM	3,131	2,439	1,733	1,013	279	-	(279)	-100.0%
5295205	9060	Depreciation Expense	67,041	63,436	55,040	70,113	58,512	58,940	428	0.7%
5295205	9070	Training & Continuing Educ/Conf	3,236	10,286	4,089	2,573	8,000	10,000	2,000	25.0%
5295205	9152	Debt Serv. Int. - SRL Funded Capital-W1703	-	-	-	-	-	4,000	4,000	100.0%
5295205	9154	Debt Serv. Int. - SRL Funded Capital-W1402	-	-	-	61,834	255,000	255,000	-	0.0%
5295205	9156	Debt Serv. Int. - SRL Funded Capital-W9302	-	-	-	-	63,000	63,000	-	0.0%
5295205	9158	Debt Serv. Int. - SRL Funded Capital-W9308 [Ph	-	-	-	27,290	88,025	203,525	115,500	131.2%
5295205	9160	Debt Serv. Int. - SRL Funded Capital-W8605	-	-	-	-	25,000	50,000	25,000	100.0%
5295205	9201	Debt Serv. Prin. - Unit 207 Lease Payment	-	-	-	29,331	27,803	28,545	742	2.7%
5295205	9202	Debt Serv. Int. - Unit 207 Lease Payment	-	-	-	2,675	3,703	2,961	(742)	-20.0%
5295205	9205	Debt Serv. Prin. - (ESCO)	-	-	-	-	4,784	4,750	(34)	-0.7%
5295205	9206	Debt Serv. Int. - (ESCO)	-	-	-	2,766	2,839	2,630	(209)	-7.4%
TOTAL OTHER CHARGES			**$ 1,856,771**	**$ 1,851,404**	**$ 1,847,783**	**$ 2,007,129**	**$ 2,339,623**	**$ 1,115,292**	**$ (1,224,331)**	**-52.3%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Administrative Overhead	$ 362,695	$ 694,095	$ 318,792	$ 369,763	$ 407,031	$ 373,605	$ (33,426)	-8.2%
Billings and Accounting	63,628	68,916	98,934	93,169	108,435	109,023	588	0.5%
Electricity	208,527	186,300	146,430	161,089	177,837	186,967	9,130	5.1%
Information Technology	86,381	58,119	67,051	80,829	95,431	174,352	78,921	82.7%
Other Indirect Charges	(196,649)	(165,663)	(189,066)	(157,552)	(175,841)	(157,302)	18,539	-10.5%
Printing and Reproduction	100	93	61	76	104	104	-	0.0%
Warehousing	29,653	22,985	31,573	23,966	24,397	21,159	(3,238)	-13.3%
TOTAL INTER-DEPT. CHARGES	**$ 554,335**	**$ 864,845**	**$ 473,775**	**$ 571,340**	**$ 637,394**	**$ 707,908**	**$ 70,514**	**11.1%**

* as amended ** as proposed

OPERATING EXPENSES - WATER DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 5,798,001**	**$ 6,645,196**	**$ 5,531,394**	**$ 6,036,959**	**$ 7,077,220**	**$ 6,514,683**	**$ (562,537)**	**-7.9%**

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
WATER DIVISION

2023-2027 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2023-2027
(with current year amended budget)

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

F U N D I N G   S U M M A R Y

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 6,426,000	$ 6,075,000	$ 8,505,000	$ 4,100,000	$ 3,190,000	$ 28,296,000
*Prior Authorized Balance:	$ 1,574,000	$ 881,000	$ -	$ -	$ -	$ 2,455,000
2023-2027 Funding:	$ 8,000,000	$ 6,956,000	$ 8,505,000	$ 4,100,000	$ 3,190,000	$ 30,751,000

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2022 BUDGET AS AMENDED	2023 RESERVES AND OTHER FUNDING	2023 CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
W2302	New Elevated Water Storage Tank	B	$ -	$ -	$ -	$ -	$ -	$ 4,400,000	$ -	$ -	$ 4,400,000
W2303	Water Main Conditions Assessment	B	-	-	-	-	800,000	820,000	840,000	-	2,460,000
W2304	Lead Water Service Line (LSL) Assessment and Remediation	B	-	-	50,000	50,000	1,000,000	1,000,000	1,000,000	1,000,000	4,050,000
W2201	Water Facilities Security Improvements	B	-	-	100,000	100,000	-	-	-	-	100,000
W2203	Well and Wellhouse Facility Upgrades	D	-	-	-	-	300,000	-	-	-	300,000
W2204	Curtis WTP - Treatment Units 4/5 Rehabilitation	D	350,000	350,000	-	350,000	-	-	-	-	350,000
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	D	-	550,000	-	550,000	-	-	-	-	550,000
W2206	Emerging Contaminants WTP Upgrades	B	1,500,000	2,900,000	-	2,900,000	-	-	-	-	2,900,000
W2101	Evergreen Booster Station Rehabilitation	B	250,000	-	-	-	-	-	-	-	-
W2102	Highfield Drive Booster Station Rehabilitation	B	-	300,000	-	300,000	-	-	-	-	300,000
W2103	New London Water Tank Chlorination	B	308,825	-	-	-	-	-	-	-	-
W2001	Newark Reservoir Upgrades	B	-	50,000	50,000	100,000	1,500,000	-	-	-	1,600,000
W1701	Valve Inspection, Exercising and Rehabilitation	B	265,000	175,000	-	175,000	100,000	100,000	100,000	100,000	575,000
W1702	Source Water Protection	A	20,000	20,000	30,000	50,000	25,000	25,000	25,000	25,000	150,000
W1703	Laird Tract Well Field Restoration	A	1,925,000	-	-	-	-	-	-	-	-
W1601	Backup Generation at Water Facilities	A	24,415	100,000	25,000	125,000	125,000	125,000	-	-	375,000
W1602	Roseville Park Pressure District	B	-	125,000	-	125,000	-	-	-	-	125,000
W1503	Academy Street Interconnection Pump Station	B	-	-	-	-	300,000	-	-	-	300,000
W0503	Well Restoration Program	B	99,000	29,000	121,000	150,000	100,000	-	-	-	250,000
W9302	Water SCADA System	B	156,796	-	-	-	-	-	-	-	-
W9308	Water Main Replacement Program	B	22,665	2,000,000	-	2,000,000	1,825,000	2,000,000	2,000,000	2,000,000	9,825,000
W8605	Water Tank Maintenance	B	1,951,184	1,000,000	-	1,000,000	881,000	-	-	-	1,881,000
WEQSF	Equipment Replacement Program	B	40,000	25,000	-	25,000	-	35,000	135,000	65,000	260,000
	Total Water Fund - Water Division		**$ 6,912,885**	**$ 7,624,000**	**$ 376,000**	**$ 8,000,000**	**$ 6,956,000**	**$ 8,505,000**	**$ 4,100,000**	**$ 3,190,000**	**$ 30,751,000**

PLANNED FINANCING SOURCES	2022 BUDGET AS AMENDED	2023 RESERVES AND OTHER FUNDING	2023 CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 6,912,885	$ 7,624,000	$ 376,000	$ 8,000,000	$ 6,956,000	$ 8,505,000	$ 4,100,000	$ 3,190,000	$ 30,751,000
LESS: USE OF RESERVES	(293,640)	(224,000)	-	(224,000)	-	-	-	-	(224,000)
VEHICLE & EQUIPMENT REPLACEMENT	(25,267)	(25,000)	-	(25,000)	-	(21,491)	(61,114)	(30,512)	(138,117)
GRANTS	(46,562)	(1,740,000)	-	(1,740,000)	(100,000)	(100,000)	-	-	(1,940,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
STATE REVOLVING LOANS	(4,028,703)	(2,310,000)	-	(2,310,000)	(881,000)	(6,400,000)	(2,000,000)	(2,000,000)	(13,591,000)
AMERICAN RESCUE PLAN ACT	(2,100,000)	(3,325,000)	-	(3,325,000)	(2,125,000)	-	-	-	(5,450,000)
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ 418,713	$ -	$ 376,000	$ 376,000	$ 3,850,000	$ 1,983,509	$ 2,038,886	$ 1,159,488	$ 9,407,883

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

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2302

PROJECT TITLE: New Elevated Water Storage Tank

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ 4,400,000	$ -	$ -	$ 4,400,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ -	$ 4,400,000	$ -	$ -	$ 4,400,000

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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2023
Est. Completion Date:	2025
Est. Useful Life (in years):	50
Est. Total Cost:	$ 4,400,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 4,400,000

[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	$ 4,400,000
TOTAL PROJECT COST		$ 4,400,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	4,400,000	-	-	$ 4,400,000
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,400,000	$ -	$ -	$ 4,400,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET

OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2303

PROJECT TITLE: Water Main Conditions Assessment

PROJECT STATUS: New Project

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 800,000	$ 820,000	$ 840,000	$ -	$ 2,460,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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 @ 12/31/2022 (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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	800,000	820,000	840,000	-	$ 2,460,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
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:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2304

PROJECT TITLE: Lead Water Service Line (LSL) Assessment and Remediation

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 50,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 4,050,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 50,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 4,050,000

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

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 current resources 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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2023
Est. Completion Date:	2027
Est. Useful Life (in years):	20
Est. Total Cost:	$ 4,050,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 4,050,000

[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	$ 4,050,000
TOTAL PROJECT COST		$ 4,050,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	50,000	1,000,000	1,000,000	1,000,000	1,000,000	$ 4,050,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 50,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 4,050,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2201

PROJECT TITLE: Water Facilities Security Improvements

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000

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

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 contemplated as part of the security upgrades.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2023
Est. Useful Life (in years):	50
Est. Total Cost:	$ 100,000
Est. Spend @ 12/31/2022 (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:	5295206.9960	$ 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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2203

PROJECT TITLE: Well and Wellhouse Facility Upgrades

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 300,000	$ -	$ -	$ -	$ 300,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Roof and siding where needed on various pump houses. Only upgrade existing where necessary. Currently unprotected wells would be retrofitted with NEMA enclosures and weatherproof casings, eliminating the need for building enclosures.

§ 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 @ 12/31/2022 (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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	300,000	-	-	-	$ 300,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
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:**	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2204

PROJECT TITLE: Curtis WTP - Treatment Units 4/5 Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ 350,000	$ -	$ -	$ -	$ -	$ 350,000
2023-2027 Funding:	$ 350,000	$ -	$ -	$ -	$ -	$ 350,000

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:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	$ 350,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[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:	5295206.9960	$ 350,000
TOTAL PROJECT COST		$ 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:

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.

***Repairs need to be completed prior to SWF treatment plant in early 2023.**

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	350,000	-	-	$ 350,000	350,000	-	-	-	-	$ 350,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 350,000	$ -	$ -	$ 350,000	$ 350,000	$ -	$ -	$ -	$ -	$ 350,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2205

PROJECT TITLE: Curtis WTP - Raceway and Backwash Lagoon Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 550,000	$ -	$ -	$ -	$ -	$ 550,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 550,000	$ -	$ -	$ -	$ -	$ 550,000

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

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. 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.

§ 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:	$ 550,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 550,000

[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	$ 550,000
TOTAL PROJECT COST		$ 550,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	550,000	-	-	-	-	$ 550,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 550,000	$ -	$ -	$ -	$ -	$ 550,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2206

PROJECT TITLE: Emerging Contaminants WTP Upgrades

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 2,900,000	$ -	$ -	$ -	$ -	$ 2,900,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 2,900,000	$ -	$ -	$ -	$ -	$ 2,900,000

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:	2023
Est. Completion Date:	2023
Est. Useful Life (in years):	50
Est. Total Cost:	$ 4,400,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 1,500,000
% Complete (if underway):	34.1%
Balance to be funded[1]:	$ 2,900,000

[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:	5295206.9960	$ 2,900,000
TOTAL PROJECT COST		$ 2,900,000

[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:

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 FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS SRF	-	-	-	$ -	1,590,000	-	-	-	-	$ 1,590,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	1,310,000	-	-	-	-	$ 1,310,000
AMERICAN RESCUE PLAN ACT	1,500,000	-	1,500,000	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 1,500,000	$ -	$ 1,500,000	$ -	$ 2,900,000	$ -	$ -	$ -	$ -	$ 2,900,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2101

PROJECT TITLE: Evergreen Booster Station Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2021
Est. Completion Date:	2022
Est. Useful Life (in years):	20
Est. Total Cost:	$ 250,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 250,000
% 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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	250,000	-	250,000	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 250,000	$ -	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2102

PROJECT TITLE: Highfield Drive Booster Station Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 300,000	$ -	$ -	$ -	$ -	$ 300,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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

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.

§ 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:	$ 300,000
Est. Spend @ 12/31/2022 (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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2103

PROJECT TITLE: New London Water Tank Chlorination

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	20
Est. Total Cost:	$ 308,825
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 308,825
% 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 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 complete in 2022.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	275,000	-	275,000	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	33,825	-	33,825	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 308,825	$ -	$ 308,825	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W2001

PROJECT TITLE: Newark Reservoir Upgrades

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 100,000	$ 1,500,000	$ -	$ -	$ -	$ 1,600,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	$ 1,600,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	50,000	1,500,000	-	-	-	$ 1,550,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS WIAC	-	-	-	$ -	50,000	-	-	-	-	$ 50,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 100,000	$ 1,500,000	$ -	$ -	$ -	$ 1,600,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET — OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1701

PROJECT TITLE: Valve Inspection, Exercising and Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 400,000
*Prior Authorized Balance:	$ 175,000	$ -	$ -	$ -	$ -	$ 175,000
2023-2027 Funding:	$ 175,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 575,000

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:	2017
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	100
Est. Total Cost:	$ 665,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 90,000
% Complete (if underway):	13.5%
Balance to be funded[1]:	$ 575,000

[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	$ 190,000
Other Contracts:	5295206.9960	$ 385,000
TOTAL PROJECT COST		$ 575,000

[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:

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 complete 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 addition repairs identified in the maintenance program.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	-	-	$ 100,000	-	100,000	100,000	100,000	100,000	$ 400,000
CAPITAL RESERVES	165,000	-	90,000	$ 75,000	175,000	-	-	-	-	$ 175,000
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 265,000	$ -	$ 90,000	$ 175,000	$ 175,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 575,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1702

PROJECT TITLE: Source Water Protection

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 30,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 130,000
*Prior Authorized Balance:	$ 20,000	$ -	$ -	$ -	$ -	$ 20,000
2023-2027 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 @ 12/31/2022 (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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	30,000	25,000	25,000	25,000	25,000	$ 130,000
CAPITAL RESERVES	20,000	-	-	$ 20,000	20,000	-	-	-	-	$ 20,000
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 20,000	$ -	$ -	$ 20,000	$ 50,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 150,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1703

PROJECT TITLE: Laird Tract Well Field Restoration

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ -	$ -	$ -	$ -	$ -

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:	2022
Est. Useful Life (in years):	20
Est. Total Cost:	$ 2,025,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 2,025,000
% 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

'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. We anticipate testing and rehabilitating the wells in 2021 along with the design of the collection system upgrades with the full project being constructed in 2022.

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.

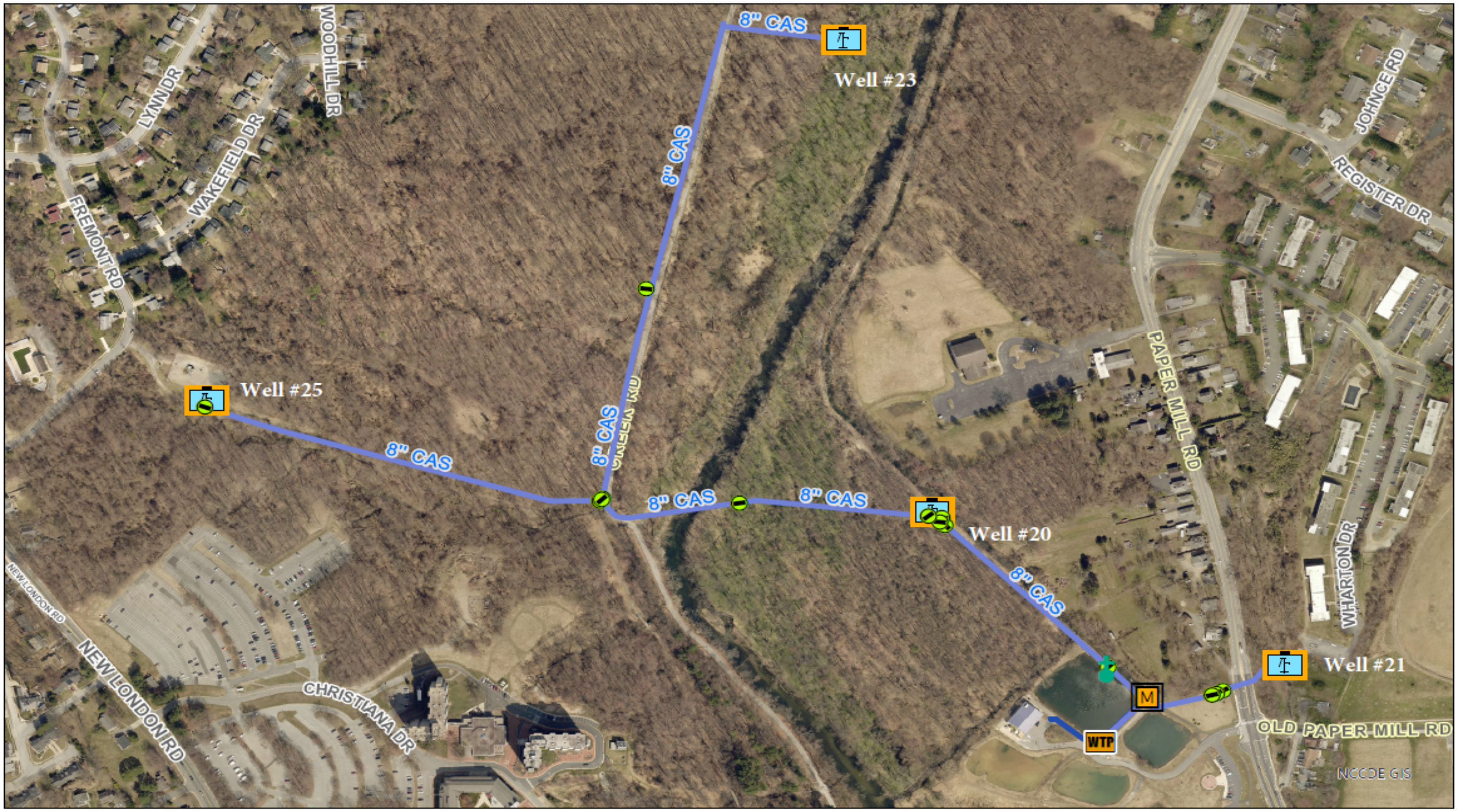
We have recieved a Planning Grant inthe amount of $50,000 to begin the preliminary well investigations and the results look promising. The design could be completed in late 2022 with construction underway in early 2023.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	153,170	$ (153,170)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS PPA and Planning Grants	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	1,925,000	-	1,771,830	$ 153,170	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 1,925,000	$ -	$ 1,925,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

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



CITY OF NEWARK
DELAWARE

Reservoir Area Wells & Raw Water Lines

April 2021

Reservoir Area

LEGEND

Control Valve: Blowoff
System Valve: Open
Network Structure: Meter Station; Production Well; Treatment Plant
Water Main (Diameter, Owner): 4", City of Newark; 8", City of Newark; Over 12", City of Newark; Unknown, City of Newark

N W E S

0 115 230 Feet

NEWARK DELAWARE
Committed to Service Excellence

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1601

PROJECT TITLE: Backup Generation at Water Facilities

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 125,000	$ 125,000	$ 125,000	$ -	$ -	$ 375,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 125,000	$ 125,000	$ 125,000	$ -	$ -	$ 375,000

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 @ 12/31/2022 (if underway)[1]:	$ 24,415
% Complete (if underway):	6.1%
Balance to be funded[1]:	$ 375,000

[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	$ 375,000
TOTAL PROJECT COST		$ 375,000

[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:

Backup power generation is necessary at our water facilities in order to maintain uninterupted 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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	25,000	25,000	25,000	-	-	$ 75,000
CAPITAL RESERVES	18,603	157	18,446	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS FEMA Pre-Disaster Mitigation Grant	5,812	-	5,812	$ -	100,000	100,000	100,000	-	-	$ 300,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 24,415	$ 157	$ 24,258	$ -	$ 125,000	$ 125,000	$ 125,000	$ -	$ -	$ 375,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	2,000	2,000	2,000	2,000	2,000	$ 10,000

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1602

PROJECT TITLE: Roseville Park Pressure District

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 125,000	$ -	$ -	$ -	$ -	$ 125,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 125,000	$ -	$ -	$ -	$ -	$ 125,000

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

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.

Jan 2022 Budget Amendment put $125,000 in 2023 ARPA.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2016
Est. Completion Date:	2023
Est. Useful Life (in years):	50
Est. Total Cost:	$ 125,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 125,000

[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	$ 125,000
TOTAL PROJECT COST		$ 125,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 125,000	$ -	$ -	$ -	$ -	$ 125,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	2,500	2,500	2,500	2,500	2,500	$ 12,500

Page Number 44

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W1503

PROJECT TITLE: Academy Street Interconnection Pump Station

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 300,000	$ -	$ -	$ -	$ 300,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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 @ 12/31/2022 (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 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W0503

PROJECT TITLE: Well Restoration Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 121,000	$ 100,000	$ -	$ -	$ -	$ 221,000
*Prior Authorized Balance:	$ 29,000	$ -	$ -	$ -	$ -	$ 29,000
2023-2027 Funding:	$ 150,000	$ 100,000	$ -	$ -	$ -	$ 250,000

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

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.

Evaluate Well 16 after new treatment is in place. State may agree to turn on Well 16, but nearly $100,000 in repairs needed to bring online.

§ 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 @ 12/31/2022 (if underway)[1]:	$ 70,000
% Complete (if underway):	21.9%
Balance to be funded[1]:	$ 250,000

[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	$ 250,000
Other Contracts:		$ -
TOTAL PROJECT COST		$ 250,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	29,000	-	-	$ 29,000	121,000	100,000	-	-	-	$ 221,000
CAPITAL RESERVES	70,000	-	70,000	$ -	29,000	-	-	-	-	$ 29,000
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 99,000	$ -	$ 70,000	$ 29,000	$ 150,000	$ 100,000	$ -	$ -	$ -	$ 250,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W9302

PROJECT TITLE: Water SCADA System

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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:	2022
Est. Useful Life (in years):	15
Est. Total Cost:	$ 552,758
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 552,758
% 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. Balance to be spent in 2021.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	(359,379)	-	-	$ (359,379)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	516,175	17,532	152,416	$ 346,227	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 156,796	$ 17,532	$ 152,416	$ (13,152)	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) **ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET**	**OPERATING IMPACT:**	**2023**	**2024**	**2025**	**2026**	**2027**	**TOTAL**
	INCREMENTAL COSTS (NET SAVINGS)	1,500	1,500	1,500	1,500	1,500	$ 7,500

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W9308

PROJECT TITLE: Water Main Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 2,000,000	$ 1,825,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 9,825,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 2,000,000	$ 1,825,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 9,825,000

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:	$ 9,847,665
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 22,665
% Complete (if underway):	0.2%
Balance to be funded[1]:	$ 9,825,000

[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	$ 9,825,000
TOTAL PROJECT COST		$ 9,825,000

[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.bWe 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 complete 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.

2023 Update: Anticipated ARPA funding is included in 2023 and 2024 APRA Funding Line, which must be encumbered by 12/2024 and spent by 12/2026. Total ARPA funding for this replacement program will be $3.825 million.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	20,037	-	20,037	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	2,628	2,628	-	$ -	-	-	2,000,000	2,000,000	2,000,000	$ 6,000,000
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	2,000,000	1,825,000	-	-	-	$ 3,825,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 22,665	$ 2,628	$ 20,037	$ -	$ 2,000,000	$ 1,825,000	$ 2,000,000	$ 2,000,000	$ 2,000,000	$ 9,825,000

§ 806.1(4) **ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET**	**OPERATING IMPACT:**	**2023**	**2024**	**2025**	**2026**	**2027**	**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

LEGEND

System Valve
Opened

Hydrant
In Service

Network Structure
Other

Fitting
Bend
Tee
Cap
Reducer
Cross

Water Lateral

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

N
W E
S

0 70 140
Feet

NEWARK DELAWARE
Committed to Service Excellence

W9308: Water Main Replacement Program

Supporting Documentation - Page 2

Dallam Road

CITY OF NEWARK
DELAWARE

W9308
Proposed Water Main Replacement

July 2020

Dallam Road

LEGEND

Control Valve	Hydrant	Abandoned Line
Air Release	In Service	**Water Main (Diameter, Owned By)**
System Valve	**Network Structure**	6", City of Newark
Closed	Tower	12", City of Newark
Opened	**Water Lateral**	Water Main to be Replaced

N W E S

0 95 190 Feet

NEWARK DELAWARE
Committed to Service Excellence

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: W8605

PROJECT TITLE: Water Tank Maintenance

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ 1,000,000	$ 881,000	$ -	$ -	$ -	$ 1,881,000
2023-2027 Funding:	$ 1,000,000	$ 881,000	$ -	$ -	$ -	$ 1,881,000

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:	$ 2,307,665
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 426,665
% Complete (if underway):	18.5%
Balance to be funded[1]:	$ 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	$ 1,881,000
TOTAL PROJECT COST		$ 1,881,000

[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.

Future CIP

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.

2023 Update:
Total Loan - $2,250,000
SWF Tank - $369,000 (Complete)
Arbour Tank Rehab - $700,000
Windy Hills Repair - $100,000 (In design)
Louviers Repair - $250,000 (In design)
New London Rehab and Painting - $500,000
Total: Roughly $1,919,000

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	(339,566)	-	53,165	$ (392,731)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS Drinking Water	40,750	-	4,500	$ 36,250	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	2,250,000	-	369,000	$ 1,881,000	1,000,000	881,000	-	-	-	$ 1,881,000
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 1,951,184	$ -	$ 426,665	$ 1,524,519	$ 1,000,000	$ 881,000	$ -	$ -	$ -	$ 1,881,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: WEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 25,000	$ -	$ 35,000	$ 135,000	$ 65,000	$ 260,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 25,000	$ -	$ 35,000	$ 135,000	$ 65,000	$ 260,000

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

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 (2023-2027).

§ 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:	$ 300,860
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 40,860
% Complete (if underway):	13.6%
Balance to be funded[1]:	$ 260,000

[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	$ 260,000
TOTAL PROJECT COST		$ 260,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	14,733	-	-	$ 14,733	-	-	13,509	73,886	34,488	$ 121,883
CAPITAL RESERVES	-	40,860	-	$ (40,860)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	25,267	-	-	$ 25,267	25,000	-	21,491	61,114	30,512	$ 138,117
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 40,000	$ 40,860	$ -	$ (860)	$ 25,000	$ -	$ 35,000	$ 135,000	$ 65,000	$ 260,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
WATER AND WASTEWATER UTILITIES

VEHICLE NUMBER	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	STAFF VEHICLES												
215	2019 Chevrolet Equinox AWD		06/03/19	22,122	10	2029	2029	22,122					
226	2012 Toyota Camry Hybrid	b.	03/19/12	16,148	10	2022	--	16,148					
	LINE TRUCKS												
202	2020 Ford F550 Service Body		01/15/21	99,481	8	2020	2028	99,481					
	PICK-UPS & VANS												
204	2016 Ford F350 Dump Truck		09/02/16	34,155	10	2026	2026	34,155				75,000	
206	2022 Ford F150 Hybrid Crew Cab Pickup Truck		02/25/22	40,860	5	2028	2028	40,860					
218	2017 Ford F250 Pickup Truck 4x4		08/30/17	30,512	10	2027	2027	30,512					65,000
232	2003 Sterling SC8000 Sweeper		12/31/03	156,696	5	2009	2028	156,696					
233	2006 Ford F250 Pickup Truck		01/23/15	21,091	5	2020	2028	21,091					
241	2015 Ford Transit Connect		12/31/14	21,491	10	2025	2025	21,491			35,000		
244	2016 Ford F250 Pickup Truck, Reg. Cab 4x4		07/21/16	26,959	10	2026	2026	26,959				60,000	
	OTHER EQUIPMENT												
200	2004 HAMM HD10 Roller		10/15/04	24,860	10	2015	2028	24,860					
201	1994 Ingersoll Air Compressor P175 Rand		09/09/94	9,169	15	2009	2023	25,000	25,000				
220	2020 Case 590SN Loader Backhoe 4WD		09/16/20	123,321	9	2020	2029	123,321					
TOTAL WATER AND WASTE WATER UTILITY					**GROSS ACQUISITION COST**				**$ 25,000**	**$ -**	**$ 35,000**	**$ 135,000**	**$ 65,000**
					LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
	b. This vehicle will not be replaced.				LESS: USE OF CURRENT RESOURCES				-	-	(13,509)	(73,886)	(34,488)
					NET EQUIPMENT SINKING FUND TOTAL				**$ 25,000**	**$ -**	**$ 21,491**	**$ 61,114**	**$ 30,512**

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	LEASE PAYMENT SCHEDULE 2023	2024	2025	2026	2027
	STAFF VEHICLES										
207	2021 International Hv507 SFA Dump Truck 4x2	01/15/21	175,965	2027	2028	5					
	PICK-UPS & VANS										
211	2009 Ford F250 Pickup Truck, Supercab	06/05/09	25,267	2019	2023	5	65,000				
224	2012 Ford F250 Pickup Truck	10/25/12	37,999	2022	2023	5	50,000				
299	2013 Ford F150 Pickup Truck, Ext. Cab	06/28/13	19,541	2023	2023	5	50,000				
	OTHER EQUIPMENT										
209	2010 Vermeer 555SDT Air/Water Vacuum	07/02/10	70,272	2023	2023	5	150,000				

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

SEWER DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*192,654*	*202,709*	*10,055*	*5.22%*	**Step increases and advancements.*
Part-time Wages	*-*	*7,000*	*7,000*	*100.00%*	**Intern requested in 2023 for $7,000.*
Other Wages	*23,600*	*30,200*	*6,600*	*27.97%*	**FY23 increase is due to additions of $6,000 to line item 6620 (Overtime) and $600 to item 6880 (Uniform Allowance).*
Benefits	*100,993*	*122,467*	*21,474*	*21.26%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 317,247	$ 362,376	45,129	14.23%	*Sum of above listed wages and benefits
Utility Purchases	$ 5,200,000	$ 5,200,000	-	0.00%	*No budgeted change from FY22 to FY23.
Materials and Supplies	$ 27,200	$ 36,700	9,500	34.93%	*Two new line items were created for 2023. $2,500 was added to new line item 7255 (Vandalism Supplies) and $5,000 was added to new line item 7271 (SCADA System Maintenance Supplies) in 2023.
Contractual Services	$ 342,827	$ 353,044	10,217	2.98%	*Two new line items were created for 2023. $2,500 was added to new line item 8255 (Vandalism Contractual) and $10,000 was added to new line item 8271 (SCADA System Maintenance Contractual) in 2023.
Other - Depreciation	$ 48,382	$ 35,880	(12,502)	-25.84%	*Finance Calculation
Other - Debt Service (Principal)	$ -	$ 11,086	11,086	100.00%	*Finance Calculation
Other - Debt Service (Interest)	$ 112,200	$ 283,409	171,209	152.59%	*Finance Calculation
Other Expenditures	$ 5,772	$ 6,476	704	12.20%	*No real budgeted change, overall increase of $500 to line item 9070 (Training and Continuing Education/Conferences) from FY22 to FY23.
Subtotal:	**$ 6,053,628**	**$ 6,288,971**	**$ 235,343**	**3.89%**	
Inter-Dept. Charges	$ 424,143	$ 478,054	53,911	12.71%	*Reflects the cost share of City overhead which includes: Adminstrative Overhead, Billings and Accounting, Electricity Used, Information Technology, Other Indirect Charges and Warehousing.
Total Operating Expenses:	**$ 6,477,771**	**$ 6,767,025**	**$ 289,254**	**4.47%**	
Full-time Positions	4	4	0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
Ongoing projects:		
S2201	FOG Program Development	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
S2202	Backup Sewer Pump Purchase	Confirmation Needed. Project listed in 2022-2026 CIP - (Est. Completion Date: 2022)
S0904	Sanitary Sewer Study and Repairs	Perpetual Project
SEQSF	Equipment Replacement Program	Perpetual Project

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Summary:

* as amended ** as proposed

SEWER DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
REVENUES								
Sewer Service Charge	$ 7,194,805	$ 7,371,745	$ 6,690,813	$ 7,466,619	$ 7,300,000	$ 7,630,000	$ 330,000	4.5%
Penalties	18,250	26,647	11,869	24,683	22,000	22,000	-	0.0%
Service Fees	24,403	16,126	41,744	10,780	18,500	18,500	-	0.0%
Other Revenues	200	696	378	235	400	400	-	0.0%
Interest Revenue	35,646	41,788	53,286	53,650	40,000	40,000	-	0.0%
Subtotal	$ 7,273,304	$ 7,457,002	$ 6,798,090	$ 7,555,967	$ 7,380,900	$ 7,710,900	$ 330,000	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	$ 7,273,304	$ 7,457,002	$ 6,798,090	$ 7,555,967	$ 7,380,900	$ 7,710,900	$ 330,000	4.5%
OPERATING EXPENSES								
Personnel Services	$ 345,956	$ 370,996	$ 512,582	$ 11,980	$ 317,247	$ 362,376	$ 45,129	14.2%
Utility Purchases	4,719,771	5,350,831	4,695,293	4,977,881	5,200,000	5,200,000	-	0.0%
Materials & Supplies	24,638	20,927	23,810	22,059	27,200	36,700	9,500	34.9%
Contractual Services	278,791	278,808	232,159	293,219	342,827	353,044	10,217	3.0%
Other Charges	39,223	42,636	44,455	49,788	166,354	336,851	170,497	102.5%
Subtotal	$ 5,408,379	$ 6,064,198	$ 5,508,299	$ 5,354,927	$ 6,053,628	$ 6,288,971	$ 235,343	3.9%
Inter-Dept. Charges	329,871	361,261	371,838	347,348	424,143	478,054	53,911	12.7%
Total Operating Expenses	$ 5,738,250	$ 6,425,459	$ 5,880,137	$ 5,702,275	$ 6,477,771	$ 6,767,025	$ 289,254	4.5%
Net Operating Margin (Before Capital Costs)	**$ 1,535,054**	**$ 1,031,543**	**$ 917,953**	**$ 1,853,692**	**$ 903,129**	**$ 943,875**	**$ 40,746**	**4.5%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5395302	6200	Line Maintenance	$ 201,600	$ 218,053	$ 210,293	$ 197,808	$ 192,654	$ 202,709	$ 10,055	5.2%
5395302	6580	Service Award	1,412	1,579	-	-	-	-	-	0.0%
5395302	6590	Sick Pay	1,008	871	-	-	-	-	-	0.0%
5395302	6615	Interns	5,928	4,973	-	-	-	7,000	7,000	100.0%
5395302	6620	Overtime	20,672	23,900	18,049	39,090	20,000	26,000	6,000	30.0%
5395302	6880	Uniform Allowance	2,400	2,400	2,250	2,100	2,400	3,000	600	25.0%
5395302	6885	Device Reimbursement	1,200	1,200	1,125	1,025	1,200	1,200	-	0.0%
5395302	6920	Unemployment Comp. Ins.	1,213	1,223	1,016	1,477	1,188	1,431	243	20.5%
5395302	6930	Social Security Taxes	17,579	18,845	17,284	17,862	15,782	17,609	1,827	11.6%
5395302	6940	City Pension Plan	27,148	32,681	66,504	(126,378)	3,204	3,390	186	5.8%
5395302	6941	Defined Contribution 401(a) Plan	10,102	11,031	14,596	13,715	14,448	14,896	448	3.1%
5395302	6950	Term Life Insurance	968	1,210	1,487	1,386	955	1,064	109	11.4%
5395302	6960	Group Hospitalization Ins.	41,885	41,527	27,669	37,168	53,219	71,286	18,067	33.9%
5395302	6961	Long-Term Disability Ins.	367	493	610	624	252	264	12	4.8%
5395302	6962	Dental Insurance	2,331	2,331	1,460	1,964	3,023	3,404	381	12.6%
5395302	6963	Flexible Spending Account	-	65	63	58	63	63	-	0.0%
5395302	6964	Health Savings Account	750	750	750	1,813	1,500	1,500	-	0.0%
5395302	6965	Post-Employment Benefits	5,062	3,513	143,927	(183,402)	756	840	84	11.1%
5395302	6966	Retirement Health Savings Account	4,129	4,199	5,406	5,544	5,856	5,944	88	1.5%
5395302	6967	Emergency Room Reimbursements	50	-	-	-	580	580	-	0.0%
5395302	6968	Vision Insurance Premiums	152	152	93	126	167	196	29	17.4%
TOTAL PERSONNEL SERVICES			**$ 345,956**	**$ 370,996**	**$ 512,582**	**$ 11,980**	**$ 317,247**	**$ 362,376**	**$ 45,129**	**14.2%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5395303	7110	Safety Shoes and Supplies	$ 818	$ 659	$ 695	$ 1,138	$ 1,200	$ 1,200	$ -	0.0%
5395303	7130	Tools, Field Sup., & Small Eq.	7,168	8,967	9,019	5,425	8,000	9,000	1,000	12.5%
5395303	7255	Vandalism Supplies	-	-	-	-	-	2,500	2,500	100.0%
5395303	7260	Line Maintenance	16,498	11,634	14,096	15,215	16,000	17,000	1,000	6.3%
5395303	7270	Station Maintenance	827	141	-	281	2,000	2,000	-	0.0%
5395303	7271	SCADA System Maintenance Supplies	-	-	-	-	-	5,000	5,000	100.0%
5395303	7540	Inventory Adjustment	(673)	(474)	-	-	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 24,638**	**$ 20,927**	**$ 23,810**	**$ 22,059**	**$ 27,200**	**$ 36,700**	**$ 9,500**	**34.9%**

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5395304	8020	Advertising	$ -	$ -	$ -	$ -	$ 2,000	$ 2,000	$ -	0.0%
5395304	8030	Casualty Insurance	1,956	1,888	2,021	4,748	6,166	6,611	445	7.2%
5395304	8031	Insurance - Property	2,473	2,173	2,637	2,711	3,137	3,528	391	12.5%
5395304	8032	Insurance - Auto	-	-	1,673	2,864	3,248	3,744	496	15.3%
5395304	8033	Insurance - Broker	442	455	459	848	958	973	15	1.6%
5395304	8035	Insurance - Worker's Compensation	-	7,930	10,305	10,660	12,000	10,500	(1,500)	-12.5%
5395304	8040	Merchant Fees and Discounts	76,384	79,817	70,105	74,808	80,000	80,000	-	0.0%
5395304	8120	Outside Engineering	18,246	36,115	13,233	32,594	40,000	40,000	-	0.0%
5395304	8131	Information Technology Cont'l	36,215	38,161	60,227	56,534	62,781	67,778	4,997	8.0%
5395304	8255	Vandalism Cont'l	-	-	-	-	-	2,500	2,500	100.0%
5395304	8260	Line Maintenance	34,041	40,430	24,578	50,811	60,000	60,000	-	0.0%
5395304	8265	Easement Clearing	3,100	16,050	6,000	9,416	10,000	10,000	-	0.0%
5395304	8270	Station Maintenance	8,418	10,452	2,536	17,334	15,000	20,000	5,000	33.3%
5395304	8271	SCADA System Maintenance Cont'l	-	-	-	-	-	10,000	10,000	100.0%
5395304	8312	Fleet & Facilities Services	94,711	45,337	38,385	29,891	47,537	35,410	(12,127)	-25.5%
5395304	8313	Self-Insurance Services	2,261	-	-	-	-	-	-	0.0%
5395304	8550	Misc. Contracted Services	544	-	-	-	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 278,791**	**$ 278,808**	**$ 232,159**	**$ 293,219**	**$ 342,827**	**$ 353,044**	**$ 10,217**	**3.0%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5395305	9002	Subvention - Aetna Hook and Ladder	$ -	$ 3,868	$ 5,358	$ 4,488	$ 3,500	$ 3,500	$ -	0.0%
5395305	9010	Bad Debt Expense	1,108	335	562	3,320	772	976	204	26.4%
5395305	9060	Depreciation Expense	36,379	37,423	37,175	35,882	48,382	35,880	(12,502)	-25.8%
5395305	9070	Training & Continuing Educ/Conf	1,736	1,010	595	194	1,500	2,000	500	33.3%
5395305	9162	Debt Serv. Int. - SRL Funded Capital-S0904	-	-	765	5,904	100,000	280,000	180,000	180.0%
5395305	9203	Debt Serv. Prin. - Unit 351 Lease Payment	-	-	-	-	-	11,086	11,086	100.0%
5395305	9204	Debt Serv. Int. - Unit 351 Lease Payment	-	-	-	-	12,200	3,409	(8,791)	-72.1%
TOTAL OTHER CHARGES			**$ 39,223**	**$ 42,636**	**$ 44,455**	**$ 49,788**	**$ 166,354**	**$ 336,851**	**$ 170,497**	**102.5%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Administrative Overhead	$ 119,707	$ 167,984	$ 127,464	$ 111,254	$ 148,658	$ 135,833	$ (12,825)	-8.6%
Billings and Accounting	45,564	55,541	86,534	81,052	95,044	94,683	(361)	-0.4%
Electricity	12,227	10,400	11,930	10,489	12,037	12,167	130	1.1%
Information Technology	86,381	58,119	67,051	80,829	95,431	174,352	78,921	82.7%
Other Indirect Charges	63,169	67,123	77,212	62,437	71,700	59,883	(11,817)	-16.5%
Warehousing	2,823	2,094	1,647	1,287	1,273	1,136	(137)	-10.8%
TOTAL INTER-DEPT. CHARGES	**$ 329,871**	**$ 361,261**	**$ 371,838**	**$ 347,348**	**$ 424,143**	**$ 478,054**	**$ 53,911**	**12.7%**

* as amended ** as proposed

OPERATING EXPENSES - SEWER DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 1,018,479**	**$ 1,074,628**	**$ 1,184,844**	**$ 724,394**	**$ 1,277,771**	**$ 1,567,025**	**$ 289,254**	**22.6%**

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
SEWER DIVISION

2023-2027 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2023-2027
(with current year amended budget)

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

F U N D I N G   S U M M A R Y

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 1,061,000	$ 1,275,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,436,000
***Prior Authorized Balance:**	$ 75,000	$ -	$ -	$ -	$ -	$ 75,000
2023-2027 Funding:	$ 1,136,000	$ 1,275,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,511,000

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2022 BUDGET AS AMENDED	|---2023---| RESERVES AND OTHER FUNDING	CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
S2201	FOG Program Development	C	$ 75,000	$ 75,000	$ -	$ 75,000	$ 75,000	$ -	$ -	$ -	$ 150,000
S2202	Backup Sewer Pump Purchase	D	75,000	-	-	-	-	-	-	-	-
S0904	Sanitary Sewer Study and Repairs	B	1,800,000	1,061,000	-	1,061,000	850,000	1,050,000	1,050,000	1,000,000	5,011,000
SEQSF	Equipment Replacement Program	B	-	-	-	-	350,000	-	-	-	350,000
	Total Sewer Fund - Sewer Division		**$ 1,950,000**	**$ 1,136,000**	**$ -**	**$ 1,136,000**	**$ 1,275,000**	**$ 1,050,000**	**$ 1,050,000**	**$ 1,000,000**	**$ 5,511,000**
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		$ 1,950,000	$ 1,136,000	$ -	$ 1,136,000	$ 1,275,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,511,000
	LESS: USE OF RESERVES		-	(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		(1,800,000)	-	-	-	-	(1,000,000)	(1,000,000)	(1,000,000)	(3,000,000)
	AMERICAN RESCUE PLAN ACT		-	(1,061,000)	-	(1,061,000)	(800,000)	-	-	-	(1,861,000)
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
	NET CAPITAL IMPROVEMENTS		$ 150,000	$ -	$ -	$ -	$ 190,840	$ -	$ -	$ -	$ 190,840

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

*Prior Authorized Balance includes 2022 carryover funding only.

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

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000
*Prior Authorized Balance:	$ 75,000	$ -	$ -	$ -	$ -	$ 75,000
2023-2027 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:	2024
Est. Useful Life (in years):	100
Est. Total Cost:	$ 150,000
Est. Spend @ 12/31/2022 (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 2022/2023, additional funding moved to 2024.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	75,000	-	-	$ 75,000	-	75,000	-	-	-	$ 75,000
CAPITAL RESERVES	-	-	-	$ -	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:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: S2202

PROJECT TITLE: Backup Sewer Pump Purchase

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ -	$ -	$ -	$ -	$ -

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Sewer
FUND:	Sewer
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:	Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Sewer overflows can be detrimental to the environment very quickly. Having a pump capable of pumping full flows of our largest pump station would allow us to repair pumps and respond to emergencies quickly and more cost effective. Previous pump rentals and emergency service costs are in the thousands of dollars per month. Configuration changes are underway at our pump stations to allow us to quickly hook to the stations and eliminate any overflows.

PO for new pump processed June 2022.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2022
Est. Completion Date:	2022
Est. Useful Life (in years):	100
Est. Total Cost:	$ 75,000
Est. Spend @ 12/31/2022 (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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	75,000	-	75,000	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 75,000	$ -	$ 75,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: S0904

PROJECT TITLE: Sanitary Sewer Study and Repairs

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 1,061,000	$ 850,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,011,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 1,061,000	$ 850,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,011,000

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:	$ 7,142,330
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 2,131,330
% Complete (if underway):	29.8%
Balance to be funded[1]:	$ 5,011,000

[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	$ 5,011,000
TOTAL PROJECT COST		$ 5,011,000

[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.

Referendum and State Revolving Loan Funding was approved over a 3 year period totaling $3,900,000. Closed on $1,300,000 loan in 2019. Closed on $2.6mm loan in 2021. Spending can be spread until 2022 as shown in previous budget to continue the inspection and rehabilitation of the targeted segments.

2023 Update: SRF Funding of $1.8mm to be used in 2022 per previous budget. 2023 and 2024 will be funding request from City ARPA funds as shown below. Anticipating a Capital Referendum in 2024 (along with water projects) to provide funding for 2025, 2026, 2027, which is expected to be low interest loans through the SRF Program. Grants are listed as possible SRF Planning Grants, subject to funding and availability from SRF.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS WIAC	-	-	-	$ -	-	50,000	50,000	50,000	-	$ 150,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	1,800,000	3,858	1,796,142	$ -	-	-	1,000,000	1,000,000	1,000,000	$ 3,000,000
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	1,061,000	800,000	-	-	-	$ 1,861,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 1,800,000	$ 3,858	$ 1,796,142	$ -	$ 1,061,000	$ 850,000	$ 1,050,000	$ 1,050,000	$ 1,000,000	$ 5,011,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: SEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 350,000	$ -	$ -	$ -	$ 350,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ 350,000	$ -	$ -	$ -	$ 350,000

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:	$ 350,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[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:	5395306.9623	$ 350,000
TOTAL PROJECT COST		$ 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 (2023-2027).

The sinking fund for Vehicle 304 were utilized, in part, to purchase Vehicle 305. In 2015, an additional sewer crew of two employees and a service vehicle was brought on board. Vehicle 304 is expected to be replaced in 2023. We are currently evaluating the operation of Vehicle 304, which will have the engine replaced with a city-owned out of service vehicle. This vehicle may be replaced with a separate truck and trailer mounted flushing unit to provide more versatility to the operations. Current estimates show this will cost considerably less than the truck mounted unit, where the chassis is a significant expense.

2023 Update: 304 truck/trailer evaluation is ongoing with staff and crews. Currently budgeted as lease/purchase in 2023.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	115,840	-	-	-	$ 115,840
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	234,160	-	-	-	$ 234,160
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ -	$ 350,000	$ -	$ -	$ -	$ 350,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
SEWER UTILITY

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	STAFF VEHICLES											
305	2017 Western Star 4700SB	10/13/16	234,160	8	2024	2024	234,160		350,000			
TOTAL SEWER UTILITY				GROSS ACQUISITION COST				$ -	$ 350,000	$ -	$ -	$ -
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	(115,840)	-	-	-
				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	LEASE PAYMENT SCHEDULE 2023	2024	2025	2026	2027
	STAFF VEHICLES											
304	2006 Int'l 4300 Jetter Truck		11/11/05	146,156	2023	2023	5	195,355				
351	Portable Sewer Crawler Camera (for Vehicle #304)	a.	TBD	75,000	2022	2022	5					

a. This vehicle is scheduled to be replaced in 2022.

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

STORMWATER DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*371,829*	*380,626*	*8,797*	*2.37%*	**Step increases and advancements*
Part-time Wages	*49,954*	*51,136*	*1,182*	*2.37%*	**Step increases and advancements*
Other Wages	*31,989*	*35,654*	*3,665*	*11.46%*	**Staffing changes affected our annual staff advancement line items 6580 (Service Award) and 6590 (Sick Pay). Additionally, $4,000 was added to our line item 6620 (Overtime) in FY23.*
Benefits	*223,831*	*245,418*	*21,587*	*9.64%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 677,603	$ 712,834	35,231	5.20%	*Sum of above listed wages and benefits
Materials and Supplies	$ 27,500	$ 34,250	6,750	24.55%	*FY23 increase is due to $4,000 being added to line item 7400 (Storm Sewer Maintenance) as well as the creation of a new line item 7255 (Vandalism Supplies) with $2,500 being added in 2023.
Contractual Services	$ 315,604	$ 282,230	(33,374)	-10.57%	*FY23 decrease is largely due a reduction of -$41,633 to line item 8312 (Fleet and Facilities Services) in FY23. This line item is a finance calculation. Additionally, there was a creation of a new line item 8255 (Vandalism Contractual) with $2,500 being added in 2023.
Other - Depreciation	$ 56,535	$ 56,530	(5)	-0.01%	*Finance Calculation
Other - Debt Service (Principal)	$ 400	$ -	(400)	-100.00%	*Finance Calculation
Other - Debt Service (Interest)	$ 470,000	$ 546,355	76,355	16.25%	*Finance Calculation
Other Expenditures	$ 53,400	$ 55,200	1,800	3.37%	*FY23 increase is due to an addition of $1,800 to line item 9070 (Training).
Subtotal:	**$ 1,601,042**	**$ 1,687,399**	**$ 86,357**	**5.39%**	
Inter-Dept. Charges	$ 258,991	$ 330,598	71,607	27.65%	*Reflects the cost share of City overhead which includes: Administrative Overhead, Billings and Accounting, Electricity Used, Information Technology, Other Indirect Charges, Printing and Reproduction and Warehousing.
Total Operating Expenses:	**$ 1,860,033**	**$ 2,017,997**	**$ 157,964**	**8.49%**	
Full-time Positions	6	6	0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
Ongoing projects:		
Q2201	Outfall and City Owned SWM Facility Repair	Perpetual Project
Q1301	Storm Drainage Improvements	Perpetual Project
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	Perpetual Project
QEQSF	Equipment Replacement Program	Perpetual Project

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Summary:

* as amended ** as proposed

STORMWATER DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
REVENUES								
Stormwater Service Fees	$ 2,017,166	$ 2,355,806	$ 2,395,636	$ 2,332,978	$ 2,585,000	$ 2,535,000	$ (50,000)	-1.9%
Stormwater Penalties	10,550	27,792	7,047	25,807	15,000	15,000	-	0.0%
Stormwater As-Built Review	-	1,000	825	275	-	-	-	0.0%
Sediment & SWM Review Fee	9,310	21,701	13,919	9,942	13,000	13,000	-	0.0%
Sediment & SWM Inspection	11,750	11,000	22,647	7,575	8,000	10,000	2,000	25.0%
SWM Facility Annual Inspection	22,570	20,400	60,870	48,345	21,000	35,000	14,000	66.7%
Interest	9,365	5,712	6,823	23,713	5,000	5,000	-	0.0%
Stormwater Management Fees	-	-	200	100	-	-	-	0.0%
Misc Revenue	400	295	180	525	-	-	-	0.0%
Gross Operating Revenue	$ 2,081,111	$ 2,443,706	$ 2,508,147	$ 2,449,260	$ 2,647,000	$ 2,613,000	$ (34,000)	-1.3%
OPERATING EXPENSES								
Personnel Services	$ 847,273	$ 656,463	$ 1,117,949	$ 345,507	$ 677,603	$ 712,834	$ 35,231	5.2%
Materials and Supplies	16,779	19,698	10,415	21,115	27,500	34,250	6,750	24.5%
Contractual Services	171,126	161,440	162,074	206,964	315,604	282,230	(33,374)	-10.6%
Other Charges	27,714	40,547	75,033	153,221	580,335	658,085	77,750	13.4%
Subtotal	$ 1,062,892	$ 878,148	$ 1,365,471	$ 726,807	$ 1,601,042	$ 1,687,399	$ 86,357	5.4%
Inter-Dept. Charges	398,267	273,837	226,115	214,167	258,991	330,598	71,607	27.6%
Total Operating Expenses	$ 1,461,159	$ 1,151,985	$ 1,591,586	$ 940,974	$ 1,860,033	$ 2,017,997	$ 157,964	8.5%
Net Operating Margin (Before Capital Costs)	**$ 619,952**	**$ 1,291,721**	**$ 916,561**	**$ 1,508,286**	**$ 786,967**	**$ 595,003**	**$ (191,964)**	**-24.4%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5595502	6030	Engineering/Technical	$ 77,233	$ 80,260	$ 87,007	$ 121,748	$ 124,712	$ 127,513	$ 2,801	2.2%
5595502	6200	Line Maintenance	52,767	54,642	57,031	55,954	57,017	58,534	1,517	2.7%
5595502	6230	Maintenance Workers	153,629	183,157	193,821	186,658	219,054	224,715	5,661	2.6%
5595502	6580	Service Award	11,183	10,356	10,653	12,260	13,011	13,881	870	6.7%
5595502	6590	Sick Pay	1,363	1,508	1,832	2,572	4,718	3,513	(1,205)	-25.5%
5595502	6610	Seasonal Workers	8,332	-	-	-	14,000	14,000	-	0.0%
5595502	6615	Interns	-	4,846	-	5,480	7,000	7,000	-	0.0%
5595502	6620	Overtime	9,105	18,466	7,289	15,729	10,000	14,000	4,000	40.0%
5595502	6880	Uniform Allowance	2,340	2,590	2,640	2,840	2,760	2,760	-	0.0%
5595502	6885	Device Reimbursement	1,250	1,375	1,200	1,200	1,500	1,500	-	0.0%
5595502	6920	Unemployment Comp. Ins.	1,593	1,693	1,673	1,573	1,931	2,326	395	20.5%
5595502	6930	Social Security Taxes	23,446	26,702	27,046	30,328	34,026	35,027	1,001	2.9%
5595502	6940	City Pension Plan	169,979	171,198	561,816	(170,330)	61,929	65,530	3,601	5.8%
5595502	6941	Defined Contribution 401(a) Plan	164	2,221	3,888	3,939	4,079	4,177	98	2.4%
5595502	6950	Term Life Insurance	1,310	1,658	1,787	1,695	1,781	1,777	(4)	-0.2%
5595502	6960	Group Hospitalization Ins.	81,788	76,631	82,420	90,985	91,909	106,026	14,117	15.4%
5595502	6961	Long-Term Disability Ins.	500	670	735	591	483	490	7	1.4%
5595502	6962	Dental Insurance	4,490	3,991	4,073	4,310	4,741	4,825	84	1.8%
5595502	6965	Post-Employment Benefits	245,732	12,610	70,516	(24,129)	20,403	22,670	2,267	11.1%
5595502	6966	Retirement Health Savings Account	85	863	1,476	1,443	1,464	1,486	22	1.5%
5595502	6967	Emergency Room Reimbursements	800	800	800	400	798	797	(1)	-0.1%
5595502	6968	Vision Insurance Premiums	184	226	246	261	287	287	-	0.0%
TOTAL PERSONNEL SERVICES			**$ 847,273**	**$ 656,463**	**$ 1,117,949**	**$ 345,507**	**$ 677,603**	**$ 712,834**	**$ 35,231**	**5.2%**

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5595503	7110	Safety Shoes and Supplies	$ 1,510	$ 921	$ 1,068	$ 1,608	$ 1,500	$ 1,750	$ 250	16.7%
5595503	7130	Tools,Field Sup.,Small Equip.	1,683	1,381	1,174	61	2,000	2,000	-	0.0%
5595503	7255	Vandalism Supplies	-	-	-	-	-	2,500	2,500	100.0%
5595503	7400	Storm Sewer Maintenance	10,847	16,054	7,871	13,868	18,000	22,000	4,000	22.2%
5595503	7401	Stormwater Program Supplies	2,739	1,342	302	5,774	6,000	6,000	-	0.0%
5595503	7540	Inventory Adjustment	-	-	-	(196)	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 16,779**	**$ 19,698**	**$ 10,415**	**$ 21,115**	**$ 27,500**	**$ 34,250**	**$ 6,750**	**24.5%**

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5595504	8020	Advertising	$ -	$ -	$ 759	$ 625	$ 1,000	$ 1,000	$ -	0.0%
5595504	8030	Casualty Insurance	-	-	1,551	6,722	9,249	10,388	1,139	12.3%
5595504	8031	Insurance - Property	-	-	-	-	3,097	3,528	431	13.9%
5595504	8032	Insurance - Auto	-	-	4,182	7,072	8,121	9,216	1,095	13.5%
5595504	8033	Insurance - Broker	-	-	-	1,065	1,436	1,529	93	6.5%
5595504	8035	Insurance - Worker's Compensation	-	11,420	15,061	15,345	16,800	14,700	(2,100)	-12.5%
5595504	8040	Merchant Fees and Discounts	13,237	23,776	22,072	25,626	26,000	26,000	-	0.0%
5595504	8120	Outside Engineering	16,667	16,666	-	62,736	100,000	100,000	-	0.0%
5595504	8130	Building & Equipment Rental	-	2,055	2,565	4,821	4,600	7,500	2,900	63.0%
5595504	8131	Information Technology Cont'l	17,215	19,001	25,018	20,527	23,192	25,393	2,201	9.5%
5595504	8255	Vandalism Cont'l	-	-	-	-	-	2,500	2,500	100.0%
5595504	8312	Fleet & Facilities Services	106,111	81,633	62,130	39,504	87,109	45,476	(41,633)	-47.8%
5595504	8313	Self-Insurance Services	75	255	75	-	-	-	-	0.0%
5595504	8401	Stormwater Contractual	10,362	6,634	28,661	19,534	35,000	35,000	-	0.0%
5595504	8550	Misc. Contracted Svc.	7,459	-	-	3,387	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 171,126**	**$ 161,440**	**$ 162,074**	**$ 206,964**	**$ 315,604**	**$ 282,230**	**$ (33,374)**	**-10.6%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
5595505	9060	Depreciation Expense	$ 17,016	$ 34,875	$ 50,593	$ 53,564	$ 56,535	$ 56,530	$ (5)	0.0%
5595505	9070	Training & Continuing Educ/Conf	2,804	1,452	1,749	881	1,800	3,600	1,800	100.0%
5595505	9084	Annual Regulatory Fees	-	200	200	200	1,600	1,600	-	0.0%
5595505	9095	Stormwater Grant Program	7,894	4,020	9,020	7,533	50,000	50,000	-	0.0%
5595505	9109	Debt Serv. Prin. - Office Equipment Lease Paym	-	-	-	-	400	-	(400)	-100.0%
5595505	9164	Debt Serv. Int. - SRL Funded Capital-Q1802	-	-	13,471	91,043	470,000	546,355	76,355	16.2%
TOTAL OTHER CHARGES			**$ 27,714**	**$ 40,547**	**$ 75,033**	**$ 153,221**	**$ 580,335**	**$ 658,085**	**$ 77,750**	**13.4%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Administrative Overhead	$ 229,706	$ 115,891	$ 70,980	$ 45,003	$ 72,925	$ 62,754	$ (10,171)	-13.9%
Billings and Accounting	35,922	54,484	39,969	38,840	43,391	44,669	1,278	2.9%
Electric Used	727	-	830	589	837	667	(170)	-20.3%
Information Technology	86,381	58,119	67,051	80,829	95,431	174,352	78,921	82.7%
Other Indirect Charges	45,507	45,321	47,271	47,728	45,057	47,108	2,051	4.6%
Printing and Reproduction	24	22	14	19	25	25	-	0.0%
Warehousing	-	-	-	1,159	1,325	1,023	(302)	-22.8%
TOTAL INTER-DEPT. CHARGES	**$ 398,267**	**$ 273,837**	**$ 226,115**	**$ 214,167**	**$ 258,991**	**$ 330,598**	**$ 71,607**	**27.6%**

* as amended ** as proposed

OPERATING EXPENSES - STORMWATER DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 1,461,159**	**$ 1,151,985**	**$ 1,591,586**	**$ 940,974**	**$ 1,860,033**	**$ 2,017,997**	**$ 157,964**	**8.5%**

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
STORMWATER DIVISION

2023-2027 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2023-2027
(with current year amended budget)

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

F U N D I N G S U M M A R Y

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 420,000	$ 657,247	$ 725,000	$ 725,000	$ 1,285,000	$ 3,812,247
*Prior Authorized Balance:	$ 543,420	$ 377,753	$ -	$ -	$ -	$ 921,173
2023-2027 Funding:	$ 963,420	$ 1,035,000	$ 725,000	$ 725,000	$ 1,285,000	$ 4,733,420

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2022 BUDGET AS AMENDED	|---2023---| RESERVES AND OTHER FUNDING	CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
Q2201	Outfall and City Owned SWM Facility Repair	D	$ 300,000	$ 300,000	$ -	$ 300,000	$ 400,000	$ -	$ -	$ -	$ 700,000
Q1301	Storm Drainage Improvements	B	550,000	525,000	-	525,000	550,000	550,000	550,000	600,000	2,775,000
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	B	100,000	18,420	75,000	93,420	85,000	100,000	100,000	100,000	478,420
QEQSF	Equipment Replacement Program	B	-	45,000	-	45,000	-	75,000	75,000	585,000	780,000
	Total Stormwater Fund - Stormwater Division		**$ 950,000**	**$ 888,420**	**$ 75,000**	**$ 963,420**	**$ 1,035,000**	**$ 725,000**	**$ 725,000**	**$ 1,285,000**	**$ 4,733,420**

PLANNED FINANCING SOURCES

	2022 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 950,000	$ 888,420	$ 75,000	$ 963,420	$ 1,035,000	$ 725,000	$ 725,000	$ 1,285,000	$ 4,733,420
LESS: USE OF RESERVES	-	(543,420)	-	(543,420)	(327,753)	-	-	-	(871,173)
VEHICLE & EQUIPMENT REPLACEMENT	-	(45,000)	-	(45,000)	-	(43,993)	-	(305,991)	(394,984)
GRANTS	(75,000)	-	-	-	(50,000)	-	-	-	(50,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
STATE REVOLVING LOANS	-	-	-	-	-	-	-	-	-
AMERICAN RESCUE PLAN ACT	(300,000)	(300,000)	-	(300,000)	(400,000)	-	-	-	(700,000)
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ 575,000	$ -	$ 75,000	$ 75,000	$ 257,247	$ 681,007	$ 725,000	$ 979,009	$ 2,717,263

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

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: Q2201

PROJECT TITLE: Outfall and City Owned SWM Facility Repair

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 300,000	$ 400,000	$ -	$ -	$ -	$ 700,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 300,000	$ 400,000	$ -	$ -	$ -	$ 700,000

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

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.

§ 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:	$ 1,000,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 300,000
% Complete (if underway):	30.0%
Balance to be funded[1]:	$ 700,000

[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	$ 700,000
TOTAL PROJECT COST		$ 700,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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	$ -	300,000	400,000	-	-	-	$ 700,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 300,000	$ -	$ 300,000	$ -	$ 300,000	$ 400,000	$ -	$ -	$ -	$ 700,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

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

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 172,247	$ 550,000	$ 550,000	$ 600,000	$ 1,872,247
*Prior Authorized Balance:	$ 525,000	$ 377,753	$ -	$ -	$ -	$ 902,753
2023-2027 Funding:	$ 525,000	$ 550,000	$ 550,000	$ 550,000	$ 600,000	$ 2,775,000

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:	2013
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	75+
Est. Total Cost:	$ 3,325,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 550,000
% Complete (if underway):	16.5%
Balance to be funded[1]:	$ 2,775,000

[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:	5595506.9720	$ 2,775,000
Other Contracts:		$ -
TOTAL PROJECT COST		$ 2,775,000

[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 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 $3.5mm 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.

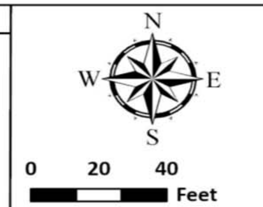
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	500,000	-	223,371	$ 276,629	-	172,247	550,000	550,000	600,000	$ 1,872,247
CAPITAL RESERVES	-	9,943	266,686	$ (276,629)	525,000	327,753	-	-	-	$ 852,753
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS SRF Planning	50,000	-	50,000	$ -	-	50,000	-	-	-	$ 50,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 550,000	$ 9,943	$ 540,057	$ -	$ 525,000	$ 550,000	$ 550,000	$ 550,000	$ 600,000	$ 2,775,000

§ 806.1(4) **ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET**	**OPERATING IMPACT:**	**2023**	**2024**	**2025**	**2026**	**2027**	**TOTAL**
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

Q1301: Storm Drainage Improvements
Supporting Documentation - Page 1

CITY OF NEWARK DELAWARE	Edjil Drive
Q1301 2021 Proposed Stormwater Lining	LEGEND: Inlets; Manholes; Discharge Points; Gravity Mains; Culverts; Exits (labels); Roads: Major Highways, Highways, Major Roads; Major Highways, Highways, Major Roads
September 2020	



NEWARK DELAWARE
Committed to Service Excellence

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: Q0101

PROJECT TITLE: Stormwater Quality Improvements (NPDES Phase II Permit)

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 75,000	$ 85,000	$ 100,000	$ 100,000	$ 100,000	$ 460,000
*Prior Authorized Balance:	$ 18,420	$ -	$ -	$ -	$ -	$ 18,420
2023-2027 Funding:	$ 93,420	$ 85,000	$ 100,000	$ 100,000	$ 100,000	$ 478,420

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:	$ 626,628
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 148,208
% Complete (if underway):	23.7%
Balance to be funded[1]:	$ 478,420

[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	$ 478,420
TOTAL PROJECT COST		$ 478,420

[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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	75,000	-	56,580	$ 18,420	75,000	85,000	100,000	100,000	100,000	$ 460,000
CAPITAL RESERVES	-	-	-	$ -	18,420	-	-	-	-	$ 18,420
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	25,000	-	25,000	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 100,000	$ -	$ 81,580	$ 18,420	$ 93,420	$ 85,000	$ 100,000	$ 100,000	$ 100,000	$ 478,420

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	2,000	3,000	4,000	5,000	5,000	$ 19,000

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: QEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 45,000	$ -	$ 75,000	$ 75,000	$ 585,000	$ 780,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 45,000	$ -	$ 75,000	$ 75,000	$ 585,000	$ 780,000

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

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 (2023-2027).

§ 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 @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 780,000

[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	$ 780,000
TOTAL PROJECT COST		$ 780,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	31,007	75,000	279,009	$ 385,016
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	45,000	-	43,993	-	305,991	$ 394,984
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 45,000	$ -	$ 75,000	$ 75,000	$ 585,000	$ 780,000

§ 806.1(4) **ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET**	**OPERATING IMPACT:**	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
STORMWATER UTILITY

VEHICLE NUMBER	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	STAFF VEHICLES											
1500	2006 CASE 430 Skid Steer	02/06/20	--	5	2026	2026	-				75,000	
1504	2012 Ford F250 Pickup Truck 4x4	09/21/12	26,245	10	2022	2023	45,000	45,000				
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
TOTAL STORMWATER UTILITY				**GROSS ACQUISITION COST**				**$ 45,000**	**$ -**	**$ 75,000**	**$ 75,000**	**$ 585,000**
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF GRANT FUNDING				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	-	(31,007)	(75,000)	(279,009)
				NET EQUIPMENT SINKING FUND TOTAL				**$ 45,000**	**$ -**	**$ 43,993**	**$ -**	**$ 305,991**

VEHICLE NUMBER	DESCRIPTION	LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	LEASE PAYMENT SCHEDULE 2023	2024	2025	2026	2027
	STAFF VEHICLES										
1530	2007 Int'l 4200 - SC7000 Sweeper	10/18/16	75,000	2024	2023	5	250,000				

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

REFUSE DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:		2022 BUDGET *As Amended		2023 BUDGET **As Proposed		$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:								
Full-time Wages		*516,779*		*536,453*		*19,674*	*3.81%*	**Step increases and advancements along with staffing changes.*
Other Wages		*38,097*		*37,261*		*(836)*	*-2.19%*	**Overall decrease in FY23 is related to personnel changes that impacted our annual staff advancement line items 6580 (Service Award) and 6590 (Sick Pay). Additionally, $900 was added in FY23 to line item 6880 (Uniform Allowance).*
Benefits		*379,721*		*427,892*		*48,171*	*12.69%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$	934,597	$	1,001,606		67,009	7.17%	*Sum of above listed wages and benefits
Materials and Supplies	$	32,350	$	33,750		1,400	4.33%	*No real budgeted change, overall increase of $1,400 (+4.33%) to our Materials and Supplies line items from FY22 to FY23.
Contractual Services	$	963,980	$	1,125,643		161,663	16.77%	*FY23 increase is largely due an increase of $157,273 to line item 8312 (Fleet and Facilities Services) in FY23. This line item is a finance calculation, but is a result of our scheduled Truck replacements.
Other - Depreciation	$	195,172	$	169,210		(25,962)	-13.30%	*Finance Calculation
Other Expenditures	$	500	$	750		250	50.00%	*No real budgeted change, overall increase of $250 to line item 9070 (Training and Continuing Education/Conferences) from FY22 to FY23.
Subtotal:	**$**	**2,126,599**	**$**	**2,330,959**	**$**	**204,360**	**9.61%**	
Inter-Dept. Charges	$	138,417	$	98,181		(40,236)	-29.07%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used - Transfer Station, Information Technology, Mailroom and Postage, Other Indirect Charges, Printing and Reproduction, Records and Warehousing.
Total Operating Expenses:	**$**	**2,265,016**	**$**	**2,429,140**	**$**	**164,124**	**7.25%**	
Full-time Positions		9		9		0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
Ongoing projects:		
R2201	Roll Off Dumpster Purchase	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
REQSF	Equipment Replacement Program	Perpetual Project

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

Summary:

REFUSE DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
OPERATING EXPENSES								
Personnel Services	$ 931,668	$ 933,918	$ 1,011,406	$ 1,005,060	$ 934,597	$ 1,001,606	$ 67,009	7.2%
Materials and Supplies	30,210	30,900	22,701	25,087	32,350	33,750	1,400	4.3%
Contractual Services	1,063,467	897,038	1,089,528	1,017,773	963,980	1,125,643	161,663	16.8%
Equipment Depreciation	215,887	216,412	204,813	192,691	195,172	169,210	(25,962)	-13.3%
Other Charges	50	520	-	-	500	750	250	50.0%
Subtotal	$ 2,241,282	$ 2,078,788	$ 2,328,448	$ 2,240,611	$ 2,126,599	$ 2,330,959	$ 204,360	9.6%
Inter-Dept. Charges	83,086	43,482	135,171	92,604	138,417	98,181	(40,236)	-29.1%
Total Operating Expenses	**$ 2,324,368**	**$ 2,122,270**	**$ 2,463,619**	**$ 2,333,215**	**$ 2,265,016**	**$ 2,429,140**	**$ 164,124**	**7.2%**

* as amended ** as proposed

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET * (as amended)	2023 BUDGET ** (as proposed)	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0141042	6240	Refuse Workers	$ 496,251	$ 506,214	$ 549,363	$ 530,480	$ 516,779	$ 536,453	$ 19,674	3.8%
0141042	6580	Service Award	14,084	14,987	16,007	11,903	11,206	11,976	770	6.9%
0141042	6590	Sick Pay	840	140	895	8,547	4,791	2,285	(2,506)	-52.3%
0141042	6620	Overtime	20,666	15,202	12,236	31,584	14,000	14,000	-	0.0%
0141042	6880	Uniform Allowance	5,350	5,300	5,400	5,250	5,100	6,000	900	17.6%
0141042	6885	Device Reimbursement	3,000	2,925	3,000	2,900	3,000	3,000	-	0.0%
0141042	6920	Unemployment Comp. Ins.	2,643	2,756	2,834	3,188	2,673	2,601	(72)	-2.7%
0141042	6930	Social Security Taxes	39,012	40,018	43,334	43,715	41,688	41,651	(37)	-0.1%
0141042	6940	City Pension Plan	97,473	111,550	135,748	124,011	99,603	105,400	5,797	5.8%
0141042	6941	Defined Contribution 401(a) Plan	10,319	10,350	11,820	15,736	19,016	19,906	890	4.7%
0141042	6950	Term Life Insurance	2,412	2,869	3,028	2,770	2,549	2,732	183	7.2%
0141042	6960	Group Hospitalization Ins.	176,372	163,517	164,526	156,277	172,258	210,054	37,796	21.9%
0141042	6961	Long-Term Disability Ins.	914	1,129	1,207	927	672	690	18	2.7%
0141042	6962	Dental Insurance	8,919	8,021	7,671	7,017	8,438	9,134	696	8.2%
0141042	6963	Flexible Spending Account	-	-	-	-	-	63	63	100.0%
0141042	6964	Health Savings Account	750	-	-	563	-	-	-	0.0%
0141042	6965	Post-Employment Benefits	48,093	44,212	49,540	53,409	23,760	26,400	2,640	11.1%
0141042	6966	Retirement Health Savings Account	4,137	3,932	4,428	6,037	7,320	7,430	110	1.5%
0141042	6967	Emergency Room Reimbursements	-	400	-	400	1,305	1,305	-	0.0%
0141042	6968	Vision Insurance Premiums	433	396	369	346	439	526	87	19.8%
TOTAL PERSONNEL SERVICES			**$ 931,668**	**$ 933,918**	**$ 1,011,406**	**$ 1,005,060**	**$ 934,597**	**$ 1,001,606**	**$ 67,009**	**7.2%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0141043	7110	Safety Shoes and Supplies	$ 1,696	$ 2,057	$ 885	$ 1,011	$ 2,250	$ 2,250	$ -	0.0%
0141043	7130	Tools, Field Sup., & Small Eq.	1,364	619	592	562	600	1,000	400	66.7%
0141043	7132	Collection Carts	27,150	26,599	21,224	23,445	27,500	30,000	2,500	9.1%
0141043	7270	Station Maintenance	-	1,814	-	-	2,000	-	(2,000)	-100.0%
0141043	7462	Recycling Supplies	-	-	-	-	-	500	500	100.0%
0141043	7540	Inventory Adjustment	-	(189)	-	69	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 30,210**	**$ 30,900**	**$ 22,701**	**$ 25,087**	**$ 32,350**	**$ 33,750**	**$ 1,400**	**4.3%**

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0141044	8030	Casualty Insurance	$ 5,623	$ 6,204	$ 6,642	$ 11,006	$ 14,644	$ 16,055	$ 1,411	9.6%
0141044	8031	Insurance - Property	573	-	-	-	-	-	-	0.0%
0141044	8032	Insurance - Auto	20,354	19,559	20,943	16,709	16,242	18,432	2,190	13.5%
0141044	8033	Insurance - Broker	2,088	2,533	2,557	2,325	2,274	2,363	89	3.9%
0141044	8035	Insurance - Worker's Compensation	-	18,003	23,780	25,460	30,400	26,600	(3,800)	-12.5%
0141044	8130	Building & Equipment Rental	-	2,334	265	2,193	2,500	2,500	-	0.0%
0141044	8131	Information Technology Cont'l	80	828	2,888	1,671	7,694	7,694	-	0.0%
0141044	8190	Refuse Disposal-Landfill	471,956	440,039	436,300	444,247	470,000	470,000	-	0.0%
0141044	8191	Yard Waste	49,005	36,233	34,960	35,250	35,000	40,000	5,000	14.3%
0141044	8200	Printing & Reproduction	1,029	1,000	645	1,000	1,000	1,000	-	0.0%
0141044	8270	Station Maintenance (Pest Control)	-	-	-	-	500	-	(500)	-100.0%
0141044	8312	Fleet & Facilities Services	507,112	368,755	560,548	477,912	383,726	540,999	157,273	41.0%
0141044	8313	Self-Insurance Services	5,647	-	-	-	-	-	-	0.0%
0141044	8550	Misc. Contracted Services	-	1,550	-	-	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 1,063,467**	**$ 897,038**	**$ 1,089,528**	**$ 1,017,773**	**$ 963,980**	**$ 1,125,643**	**$ 161,663**	**16.8%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0141045	9060	Depreciation Expense	$ 215,887	$ 216,412	$ 204,813	$ 192,691	$ 195,172	$ 169,210	$ (25,962)	-13.3%
0141045	9070	Training & Continuing Educ/Conf	50	520	-	-	500	750	250	50.0%
TOTAL OTHER CHARGES			**$ 215,937**	**$ 216,932**	**$ 204,813**	**$ 192,691**	**$ 195,672**	**$ 169,960**	**$ (25,712)**	**-13.1%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Billings and Accounting	$ 27,423	$ 4,094	$ 32,565	$ 33,838	$ 31,384	$ 34,612	$ 3,228	10.3%
Electric Used - Transfer Station	827	100	2,330	1,589	2,437	1,867	(570)	-23.4%
Information Technology	48,209	42,253	49,041	47,212	55,390	52,213	(3,177)	-5.7%
Mailroom and Postage	7	1,161	1,156	1,178	1,218	1,295	77	6.3%
Other Indirect Charges	2,296	(7,039)	46,547	6,087	44,729	5,639	(39,090)	-87.4%
Printing and Reproduction	105	98	64	80	110	109	(1)	-0.9%
Records	1,477	1,511	1,747	1,451	1,819	1,414	(405)	-22.3%
Warehousing	2,742	1,304	1,721	1,169	1,330	1,032	(298)	-22.4%
TOTAL INTER-DEPT. CHARGES	**$ 83,086**	**$ 43,482**	**$ 135,171**	**$ 92,604**	**$ 138,417**	**$ 98,181**	**$ (40,236)**	**-29.1%**

* as amended ** as proposed

OPERATING EXPENSES - REFUSE DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 2,324,368**	**$ 2,122,270**	**$ 2,463,619**	**$ 2,333,215**	**$ 2,265,016**	**$ 2,429,140**	**$ 164,124**	**7.2%**

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

STREET DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*442,118*	*439,401*	*(2,717)*	*-0.61%*	**Step increases and advancements along with staffing changes. Overall decrease is related to one of our FY22 "Equipment Operator" positions is now a "Maintenance I" position in FY23.*
Part-time Wages	*21,000*	*21,000*	*-*	*0.00%*	**No budgeted change from FY22 to FY23.*
Other Wages	*58,666*	*56,870*	*(1,796)*	*-3.06%*	**Overall decrease in FY23 is related to personnel changes that impacted our annual staff advancement line items 6580 (Service Award) and 6590 (Sick Pay). Additionally, $1,000 was added in FY23 to line item 6622 (Holiday Premium).*
Benefits	*292,082*	*321,514*	*29,432*	*10.08%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 813,866	$ 838,785	24,919	3.06%	*Sum of above listed wages and benefits
Materials and Supplies	$ 156,400	$ 215,400	59,000	37.72%	*FY23 increase is largely due to the creation of a new line item 7381 (Bridge Maintenance Supplies) with $50,000 being added in 2023.
Contractual Services	$ 295,704	$ 375,299	79,595	26.92%	*FY23 increase is largely due to the creation of a new line item 8381 (Bridge Maintenance Contractual) with $50,000 being added in 2023.
Other - Depreciation	$ 76,533	$ 112,540	36,007	47.05%	*Finance Calculation
Other Expenditures	$ 2,000	$ 3,000	1,000	50.00%	*FY23 increase is due to an addition of $1,000 to line item 9070 (Training)
Subtotal:	**$ 1,344,503**	**$ 1,545,024**	**$ 200,521**	**14.91%**	
Inter-Dept. Charges	$ 274,955	$ 366,066	91,111	33.14%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used, Information Technology, Mailroom and Postage, Other Indirect Charges, Printing and Reproduction, Records, Street Lights and Traffic Signals and Warehousing
Total Operating Expenses:	**$ 1,619,458**	**$ 1,911,090**	**$ 291,632**	**18.01%**	
Full-time Positions	7	7	0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
New projects:		
H2301	Annual Street Program	Perpetual Project
H2302	ADA Accessibility Transition Plan	Perpetual Project
Ongoing projects:		
H2201	Annual Street Program	Perpetual Project *This is only the 2022 portion of the project
H2202	ADA Accessibility Transition Plan	Perpetual Project *This is only the 2022 portion of the project
H2203	City Hall Parking Lot Rehabilitation	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
H1903	Skid Steer Purchase	Project listed in 2023-2027 CIP - (Est. Completion Date: 2024)
H1503	Newark Transportation Plan Implementation	Project listed in 2023-2027 CIP - (Est. Completion Date: 2027)
HEQSF	Equipment Replacement Program	Perpetual Project

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Summary:

* as amended ** as proposed

STREET DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
OPERATING EXPENSES								
Personnel Services	$ 791,329	$ 489,160	$ 803,031	$ 798,127	$ 813,866	$ 838,785	$ 24,919	3.1%
Materials and Supplies	156,134	152,479	68,209	135,840	156,400	215,400	59,000	37.7%
Contractual Services	482,766	249,093	240,612	273,432	295,704	375,299	79,595	26.9%
Other Charges	110,157	84,522	70,608	81,317	78,533	115,540	37,007	47.1%
Subtotal	$ 1,540,386	$ 975,254	$ 1,182,460	$ 1,288,716	$ 1,344,503	$ 1,545,024	$ 200,521	14.9%
Inter-Dept. Charges	350,838	287,124	262,158	336,892	274,955	366,066	91,111	33.1%
Total Operating Expenses	**$ 1,891,224**	**$ 1,262,378**	**$ 1,444,618**	**$ 1,625,608**	**$ 1,619,458**	**$ 1,911,090**	**$ 291,632**	**18.0%**

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

Expenditures:

* as amended ** as proposed

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131052	6020	Supervisory	$ 62,348	$ 66,305	$ 73,749	$ 74,149	$ 79,054	$ 83,407	$ 4,353	5.5%
0131052	6230	Maintenance Workers	341,159	33,052	357,345	335,602	363,064	355,994	(7,070)	-1.9%
0131052	6580	Service Award	6,796	6,600	7,023	7,458	7,909	7,873	(36)	-0.5%
0131052	6590	Sick Pay	1,376	16,004	2,359	4,349	4,517	1,757	(2,760)	-61.1%
0131052	6610	Seasonal Workers	29,742	23,687	5,668	2,254	14,000	14,000	-	0.0%
0131052	6615	Interns	-	-	-	3,978	7,000	7,000	-	0.0%
0131052	6620	Overtime	41,013	58,729	43,462	67,625	40,000	40,000	-	0.0%
0131052	6622	Holiday Premium	491	1,522	1,179	1,226	-	1,000	1,000	100.0%
0131052	6623	Weekend Premium	-	123	-	-	-	-	-	0.0%
0131052	6880	Uniform Allowance	4,040	3,840	3,840	3,340	3,840	3,840	-	0.0%
0131052	6885	Device Reimbursement	2,475	2,400	2,400	2,125	2,400	2,400	-	0.0%
0131052	6920	Unemployment Comp. Ins.	2,550	2,225	2,310	2,176	2,079	2,484	405	19.5%
0131052	6930	Social Security Taxes	34,241	36,424	36,613	36,870	38,682	38,263	(419)	-1.1%
0131052	6940	City Pension Plan	92,937	73,900	91,889	84,400	81,405	86,140	4,735	5.8%
0131052	6941	Defined Contribution 401(a) Plan	10,065	11,339	12,171	11,192	12,716	16,201	3,485	27.4%
0131052	6950	Term Life Insurance	1,888	2,341	2,426	2,198	2,160	2,148	(12)	-0.6%
0131052	6960	Group Hospitalization Ins.	109,524	109,035	114,295	111,563	119,515	136,624	17,109	14.3%
0131052	6961	Long-Term Disability Ins.	704	908	953	728	577	569	(8)	-1.4%
0131052	6962	Dental Insurance	6,155	5,856	5,856	5,550	6,442	6,549	107	1.7%
0131052	6964	Health Savings Account	-	750	750	1,500	750	750	-	0.0%
0131052	6965	Post-Employment Benefits	39,574	29,580	33,976	35,619	21,978	24,420	2,442	11.1%
0131052	6966	Retirement Health Savings Account	3,891	4,201	4,428	3,901	4,392	5,944	1,552	35.3%
0131052	6967	Emergency Room Reimbursements	-	-	-	-	1,015	1,015	-	0.0%
0131052	6968	Vision Insurance Premiums	360	339	339	324	371	407	36	9.7%
TOTAL PERSONNEL SERVICES			**$ 791,329**	**$ 489,160**	**$ 803,031**	**$ 798,127**	**$ 813,866**	**$ 838,785**	**$ 24,919**	**3.1%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			**2018 ACTUAL**	**2019 ACTUAL**	**2020 ACTUAL**	**2021 ACTUAL**	**2022 BUDGET ***	**2023 BUDGET ****	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131053	7110	Safety Shoes and Supplies	$ 1,327	$ 2,127	$ 1,545	$ 1,481	$ 2,400	$ 2,400	$ -	0.0%
0131053	7130	Tools, Field Sup., & Small Eq.	3,159	11,607	2,702	3,462	4,000	6,000	2,000	50.0%
0131053	7340	Street Signs and Roadway Markings	25,622	28,183	25,657	30,088	30,000	33,000	3,000	10.0%
0131053	7380	Street Maintenance Supplies	44,582	77,827	17,445	61,910	80,000	80,000	-	0.0%
0131053	7381	Bridge Maintenance Supplies	-	-	-	-	-	50,000	50,000	100.0%
0131053	7400	Storm Sewer Maintenance	943	-	-	-	-	-	-	0.0%
0131053	7450	Salt, Sand, & Snow Removal	53,188	33,253	20,391	38,115	40,000	44,000	4,000	10.0%
0131053	7470	Curb & Gutter Maintenance	24,174	-	-	-	-	-	-	0.0%
0131053	7540	Inventory Adjustment	792	(1,614)	(723)	(514)	-	-	-	0.0%
0131053	7550	Miscellaneous Supplies	2,347	1,096	1,192	1,298	-	-	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 156,134**	**$ 152,479**	**$ 68,209**	**$ 135,840**	**$ 156,400**	**$ 215,400**	**$ 59,000**	**37.7%**

* as amended ** as proposed

CONTRACTUAL SERVICES			**2018 ACTUAL**	**2019 ACTUAL**	**2020 ACTUAL**	**2021 ACTUAL**	**2022 BUDGET ***	**2023 BUDGET ****	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131054	8020	Advertising	$ -	$ -	$ -	$ -	$ 2,000	$ 2,000	$ -	0.0%
0131054	8030	Casualty Insurance	7,203	6,474	6,931	9,106	10,791	11,805	1,014	9.4%
0131054	8031	Insurance - Property	4,992	3,845	4,666	2,520	1,523	1,764	241	15.8%
0131054	8032	Insurance - Auto	26,793	25,880	23,374	24,795	27,611	31,104	3,493	12.7%
0131054	8033	Insurance - Broker	3,657	3,637	3,672	2,233	1,676	1,738	62	3.7%
0131054	8035	Insurance - Worker's Compensation	-	16,805	22,195	22,882	25,600	22,400	(3,200)	-12.5%
0131054	8050	Phone/Communications	158	169	190	166	690	200	(490)	-71.0%
0131054	8130	Building & Equipment Rental	3,838	6,509	2,565	-	5,000	7,500	2,500	50.0%
0131054	8131	Information Technology Cont'l	4,641	4,719	4,499	4,846	4,778	5,258	480	10.0%
0131054	8312	Fleet & Facilities Services	454,505	176,505	167,388	197,624	201,035	226,530	25,495	12.7%
0131054	8313	Self-Insurance Services	(26,871)	-	2,133	1,270	-	-	-	0.0%
0131054	8380	Street Maintenance Cont'l	-	3,950	2,253	7,250	15,000	15,000	-	0.0%
0131054	8381	Bridge Maintenance Cont'l	-	-	-	-	-	50,000	50,000	100.0%
0131054	8450	Salt, Sand & Snow Removal	3,441	-	-	-	-	-	-	0.0%
0131054	8550	Misc. Contracted Services	409	600	746	740	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 482,766**	**$ 249,093**	**$ 240,612**	**$ 273,432**	**$ 295,704**	**$ 375,299**	**$ 79,595**	**26.9%**

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131055	9060	Depreciation Expense	$ 107,481	$ 82,299	$ 70,558	$ 81,137	$ 76,533	$ 112,540	$ 36,007	47.0%
0131055	9070	Training & Continuing Educ/Conf	2,676	2,223	50	180	2,000	3,000	1,000	50.0%
TOTAL OTHER CHARGES			**$ 110,157**	**$ 84,522**	**$ 70,608**	**$ 81,317**	**$ 78,533**	**$ 115,540**	**$ 37,007**	**47.1%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Billings and Accounting	$ 20,145	$ 3,490	$ 23,990	$ 24,899	$ 23,114	$ 25,440	$ 2,326	10.1%
Electrcity Used	733	-	736	493	743	571	(172)	-23.1%
Information Technology	42,853	37,559	43,592	41,967	49,239	46,411	(2,828)	-5.7%
Mailroom and Postage	5	845	842	858	887	943	56	6.3%
Other Indirect Charges	113,344	75,219	11,580	52,528	18,049	50,498	32,449	179.8%
Printing and Reproduction	105	98	64	80	110	110	-	0.0%
Records	1,076	1,100	1,273	1,057	1,325	1,030	(295)	-22.3%
Street Lights and Traffic Signals	169,331	166,221	177,083	212,877	180,496	239,180	58,684	32.5%
Warehousing	3,246	2,592	2,998	2,133	992	1,883	891	89.8%
TOTAL INTER-DEPT. CHARGES	**$ 350,838**	**$ 287,124**	**$ 262,158**	**$ 336,892**	**$ 274,955**	**$ 366,066**	**$ 91,111**	**33.1%**

* as amended ** as proposed

OPERATING EXPENSES - STREET DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 1,891,224**	**$ 1,262,378**	**$ 1,444,618**	**$ 1,625,608**	**$ 1,619,458**	**$ 1,911,090**	**$ 291,632**	**18.0%**

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

ENGINEERING DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*503,526*	*526,765*	*23,239*	*4.62%*	**Step increases and advancements*
Part-time Wages	*7,000*	*7,000*	*-*	*0.00%*	**No budgeted change from FY22 to FY23.*
Other Wages	*27,885*	*29,361*	*1,476*	*5.29%*	**Annual staff advancements to 6580 (Service Award) and 6590 (Sick Pay).*
Benefits	*350,409*	*376,720*	*26,311*	*7.51%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 888,820	$ 939,846	51,026	5.74%	*Sum of above listed wages and benefits
Materials and Supplies	$ 5,600	$ 5,900	300	5.36%	*No real budgeted change, overall increase of $300 (+5.36%) to line item 7130 (Tools, Field Supplies and Small Equipment) from FY22 to FY23.
Contractual Services	$ 114,830	$ 117,089	2,259	1.97%	*No real budgeted change, overall increase of $2,259 (+1.97%) from FY22 to FY23.
Other - Depreciation	$ 10,039	$ 13,790	3,751	37.36%	*Finance Calculation
Other Expenditures	$ 8,000	$ 8,000	-	0.00%	*No budgeted change from FY22 to FY23.
Subtotal:	**$ 1,027,289**	**$ 1,084,625**	**$ 57,336**	**5.58%**	
Inter-Dept. Charges	$ 50,405	$ 46,898	(3,507)	-6.96%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used, Information Technology, Mailroom and Postage, Other Indirect Expenses, Printing and Reproduction and Records.
Total Operating Expenses:	**$ 1,077,694**	**$ 1,131,523**	**$ 53,829**	**4.99%**	
Full-time Positions	7	7	0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
Ongoing projects:		
T2201	Survey Equipment Purchase	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
TEQSF	Equipment Replacement Program	Perpetual Project

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

Summary:

ENGINEERING DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
OPERATING EXPENSES								
Personnel Services	$ 918,674	$ 886,234	$ 953,608	$ 865,624	$ 888,820	$ 939,846	$ 51,026	5.7%
Materials and Supplies	3,112	2,951	1,556	2,150	5,600	5,900	300	5.4%
Contractual Services	79,959	102,098	99,994	109,561	114,830	117,089	2,259	2.0%
Other Charges	20,605	21,947	9,771	11,742	18,039	21,790	3,751	20.8%
Subtotal	$ 1,022,350	$ 1,013,230	$ 1,064,929	$ 989,077	$ 1,027,289	$ 1,084,625	$ 57,336	5.6%
Inter-Dept. Charges	26,784	8,498	30,637	35,428	50,405	46,898	(3,507)	-7.0%
Total Operating Expenses	**$ 1,049,134**	**$ 1,021,728**	**$ 1,095,566**	**$ 1,024,505**	**$ 1,077,694**	**$ 1,131,523**	**$ 53,829**	**5.0%**

* as amended ** as proposed

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131072	6020	Supervisory	$ 84,315	$ 86,692	$ 93,956	$ 91,793	$ 94,088	$ 99,284	$ 5,196	5.5%
0131072	6030	Engineering/Technical	234,853	189,159	188,088	115,501	122,733	129,700	6,967	5.7%
0131072	6210	Inspectors	240,055	247,178	273,149	276,096	286,705	297,781	11,076	3.9%
0131072	6580	Service Award	5,691	6,168	6,871	5,491	5,851	6,221	370	6.3%
0131072	6590	Sick Pay	3,005	2,874	2,714	1,660	2,234	3,340	1,106	49.5%
0131072	6615	Interns	15,906	10,075	-	-	7,000	7,000	-	0.0%
0131072	6620	Overtime	30,289	19,731	15,788	16,318	18,000	18,000	-	0.0%
0131072	6622	Holiday Premium	-	-	666	-	-	-	-	0.0%
0131072	6880	Uniform Allowance	1,440	1,440	1,440	1,040	1,200	1,200	-	0.0%
0131072	6885	Device Reimbursement	600	450	600	600	600	600	-	0.0%
0131072	6920	Unemployment Comp. Ins.	2,775	2,714	2,525	2,358	1,929	2,084	155	8.0%
0131072	6930	Social Security Taxes	45,290	41,214	42,193	36,810	38,967	41,675	2,708	6.9%
0131072	6940	City Pension Plan	54,659	62,520	79,744	116,238	119,079	126,010	6,931	5.8%
0131072	6941	Defined Contribution 401(a) Plan	22,558	20,821	24,144	24,348	25,600	27,079	1,479	5.8%
0131072	6950	Term Life Insurance	2,453	3,231	3,592	3,276	2,313	2,363	50	2.2%
0131072	6960	Group Hospitalization Ins.	136,497	149,527	170,152	137,965	126,312	139,064	12,752	10.1%
0131072	6961	Long-Term Disability Ins.	953	1,339	1,520	1,186	660	685	25	3.8%
0131072	6962	Dental Insurance	7,506	7,843	8,938	7,139	7,126	6,931	(195)	-2.7%
0131072	6963	Flexible Spending Account	126	224	252	252	159	159	-	0.0%
0131072	6964	Health Savings Account	-	750	-	-	-	-	-	0.0%
0131072	6965	Post-Employment Benefits	22,987	24,545	29,343	20,686	20,412	22,680	2,268	11.1%
0131072	6966	Retirement Health Savings Account	6,315	5,924	6,670	6,496	6,537	6,687	150	2.3%
0131072	6967	Emergency Room Reimbursements	-	1,383	800	-	942	942	-	0.0%
0131072	6968	Vision Insurance Premiums	401	432	463	371	373	361	(12)	-3.2%
TOTAL PERSONNEL SERVICES			**$ 918,674**	**$ 886,234**	**$ 953,608**	**$ 865,624**	**$ 888,820**	**$ 939,846**	**$ 51,026**	**5.7%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131073	7110	Safety Shoes and Supplies	$ 550	$ 1,003	$ 385	$ 414	$ 2,000	$ 2,000	$ -	0.0%
0131073	7130	Tools, Field Sup., & Small Eq.	1,055	138	923	778	1,200	1,500	300	25.0%
0131073	7150	Office Supplies	1,507	1,810	248	958	2,400	2,400	-	0.0%
TOTAL MATERIALS & SUPPLIES			**$ 3,112**	**$ 2,951**	**$ 1,556**	**$ 2,150**	**$ 5,600**	**$ 5,900**	**$ 300**	**5.4%**

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131074	8020	Advertising	$ 1,073	$ 1,509	$ 1,732	$ 2,355	$ 1,400	$ 2,200	$ 800	57.1%
0131074	8030	Casualty Insurance	9,300	10,790	11,551	10,288	10,791	11,805	1,014	9.4%
0131074	8032	Insurance - Auto	6,233	6,122	6,563	8,415	9,745	10,944	1,199	12.3%
0131074	8033	Insurance - Broker	1,583	974	984	1,520	1,676	1,738	62	3.7%
0131074	8035	Insurance - Worker's Compensation	-	16,695	22,195	17,289	8,000	7,000	(1,000)	-12.5%
0131074	8050	Phone/Communications	1,858	2,177	618	166	690	200	(490)	-71.0%
0131074	8120	Outside Engineering	26,550	20,569	19,202	32,045	33,000	40,000	7,000	21.2%
0131074	8131	Information Technology Cont'l	13,837	18,328	18,835	18,267	21,904	20,354	(1,550)	-7.1%
0131074	8312	Fleet & Facilities Services	19,472	24,555	18,304	19,210	27,624	22,848	(4,776)	-17.3%
0131074	8313	Self-Insurance Services	48	379	-	-	-	-	-	0.0%
0131074	8550	Misc. Contracted Services	5	-	10	6	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 79,959**	**$ 102,098**	**$ 99,994**	**$ 109,561**	**$ 114,830**	**$ 117,089**	**$ 2,259**	**2.0%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
0131075	9020	Mileage & Small Bus. Expense	$ 1,710	$ 1,034	$ -	$ -	$ -	$ -	$ -	0.0%
0131075	9060	Depreciation Expense	11,960	9,776	9,771	9,280	10,039	13,790	3,751	37.4%
0131075	9070	Training & Continuing Educ/Conf	6,935	11,137	-	2,462	8,000	8,000	-	0.0%
TOTAL OTHER CHARGES			**$ 20,605**	**$ 21,947**	**$ 9,771**	**$ 11,742**	**$ 18,039**	**$ 21,790**	**$ 3,751**	**20.8%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Billings and Accounting	$ 18,239	$ 3,597	$ 21,786	$ 22,584	$ 20,980	$ 23,047	$ 2,067	9.9%
Electricity Used	727	-	730	489	737	567	(170)	-23.1%
Information Technology	45,531	39,906	46,316	44,590	52,313	49,313	(3,000)	-5.7%
Mailroom and Postage	4	759	756	770	796	847	51	6.4%
Other Indirect Expenses	(38,788)	(36,850)	(40,158)	(34,034)	(25,721)	(27,910)	(2,189)	8.5%
Printing and Reproduction	105	98	64	80	110	109	(1)	-0.9%
Records	966	988	1,143	949	1,190	925	(265)	-22.3%
TOTAL INTER-DEPT. CHARGES	**$ 26,784**	**$ 8,498**	**$ 30,637**	**$ 35,428**	**$ 50,405**	**$ 46,898**	**$ (3,507)**	**-7.0%**

* as amended ** as proposed

OPERATING EXPENSES - ENGINEERING DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 1,049,134**	**$ 1,021,728**	**$ 1,095,566**	**$ 1,024,505**	**$ 1,077,694**	**$ 1,131,523**	**$ 53,829**	**5.0%**

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

2023-2027 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2023-2027
(with current year amended budget)

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

F U N D I N G   S U M M A R Y

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 2,686,243	$ 3,024,000	$ 2,580,000	$ 2,715,000	$ 2,835,000	$ 13,840,243
***Prior Authorized Balance:**	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
2023-2027 Funding:	$ 2,711,243	$ 3,024,000	$ 2,580,000	$ 2,715,000	$ 2,835,000	$ 13,865,243

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2022 BUDGET AS AMENDED	|----2023----| RESERVES AND OTHER FUNDING	|----2023----| CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
R2201	Roll Off Dumpster Purchase	A	$ 20,000	$ -	$ 11,000	$ 11,000	$ 24,000	$ -	$ -	$ -	$ 35,000
REQSF	Equipment Replacement Program	B	-	-	-	-	-	-	300,000	-	300,000
H2301	Annual Street Program	B	-	611,302	1,150,000	1,761,302	1,775,000	2,125,000	2,125,000	2,375,000	10,161,302
H2302	ADA Accessibility Transition Plan	B	-	25,000	141,441	166,441	180,000	185,000	195,000	200,000	926,441
H2201	Annual Street Program	B	1,451,675	-	-	-	-	-	-	-	-
H2202	ADA Accessibility Transition Plan	C	162,278	-	-	-	-	-	-	-	-
H2203	City Hall Parking Lot Rehabilitation	B	20,937	625,000	-	625,000	-	-	-	-	625,000
H1903	Skid Steer Purchase	A	-	-	-	-	75,000	-	-	-	75,000
H1503	Newark Transportation Plan Implementation	A	63,500	12,500	50,000	62,500	70,000	70,000	95,000	95,000	392,500
HEQSF	Equipment Replacement Program	B	85,000	-	-	-	900,000	150,000	-	100,000	1,150,000
T2201	Survey Equipment Purchase	A	25,000	25,000	25,000	50,000	-	-	-	-	50,000
TEQSF	Equipment Replacement Program	B	-	35,000	-	35,000	-	50,000	-	65,000	150,000
	Total Capital Projects Fund - Refuse, Street and Engineering Divisions		**$ 1,828,390**	**$ 1,333,802**	**$ 1,377,441**	**$ 2,711,243**	**$ 3,024,000**	**$ 2,580,000**	**$ 2,715,000**	**$ 2,835,000**	**$ 13,865,243**

PLANNED FINANCING SOURCES	2022 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 1,828,390	$ 1,333,802	$ 1,377,441	$ 2,711,243	$ 3,024,000	$ 2,580,000	$ 2,715,000	$ 2,835,000	$ 13,865,243
LESS: USE OF RESERVES	(309,696)	(25,000)	-	(25,000)	-	-	-	-	(25,000)
VEHICLE & EQUIPMENT REPLACEMENT	(60,288)	(35,000)	-	(35,000)	(433,970)	(137,478)	(193,963)	(74,578)	(874,989)
GRANTS	(650,516)	(588,802)	-	(588,802)	(610,000)	(610,000)	(610,000)	(610,000)	(3,028,802)
BOND ISSUES	(138,178)	-	-	-	-	-	-	-	-
AMERICAN RESCUE PLAN ACT	-	(625,000)	-	(625,000)	-	-	-	-	-
OTHER FINANCING SOURCES	(150,000)	(60,000)	-	(60,000)	(60,000)	(60,000)	(60,000)	(60,000)	(300,000)
NET CAPITAL IMPROVEMENTS	$ 519,712	$ -	$ 1,377,441	$ 1,377,441	$ 1,920,030	$ 1,772,522	$ 1,851,037	$ 2,090,422	$ 9,636,452

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

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: R2201

PROJECT TITLE: Roll Off Dumpster Purchase

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 11,000	$ 24,000	$ -	$ -	$ -	$ 35,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 11,000	$ 24,000	$ -	$ -	$ -	$ 35,000

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:	2024
Est. Useful Life (in years):	10
Est. Total Cost:	$ 55,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 20,000
% Complete (if underway):	36.4%
Balance to be funded[1]:	$ 35,000

[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:	3063006.9760	$ 35,000
Other Contracts:		$ -
TOTAL PROJECT COST		$ 35,000

[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:

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.

Current funding is to purchase 2 dumpsters each year for a total of 6 units.

2023 Update:
Two purchased in 2022 have been well utilized, saving nearly $2500 from UDNI costs alone during that 3 week program. Planned 2023 purchase of one dumpster would replace contracted dumpster in the Field Operations Complex. Cost updated to reflect rising material costs.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	20,000	19,290	710	$ -	11,000	24,000	-	-	-	$ 35,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 20,000	$ 19,290	$ 710	$ -	$ 11,000	$ 24,000	$ -	$ -	$ -	$ 35,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: REQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ 300,000	$ -	$ 300,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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 @ 12/31/2022 (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 (2023-2027).

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
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	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	REFUSE COLLECTION												
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	--	-					
	SPECIAL COLLECTION												
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	LEASE PAYMENT SCHEDULE 2023	2024	2025	2026	2027
	REFUSE COLLECTION											
423	2009 Int'l 7400 Rear Loader	a.	06/11/09	151,775	2022	2022	5					
411	2016 Freightliner M2 Class 8	a.	05/26/16	232,105	2024	2022	5					
453	2016 Freightliner M2 Class 8	a.	05/26/16	232,105	2024	2022	5					
454	2016 Freightliner M2 Class 8	a.	01/07/16	235,157	2024	2022	5					
456	2016 Freightliner M2 Class 8	a.	01/07/16	235,157	2024	2022	5					
	SPECIAL COLLECTION											
440	2011 Freightliner Knuckleboom M2-106		06/17/11	116,148	2021	2023	5	200,000				

a. This vehicle is scheduled to be replaced in 2022.

PROJECT NO: H2301

PROJECT TITLE: Annual Street Program

PROJECT STATUS: New Project

*Prior Authorized Balance includes 2022 carryover funding only.

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 1,761,302	$ 1,775,000	$ 2,125,000	$ 2,125,000	$ 2,375,000	$ 10,161,302
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 1,761,302	$ 1,775,000	$ 2,125,000	$ 2,125,000	$ 2,375,000	$ 10,161,302

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:	$ 10,161,302
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 10,161,302

[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	$ 10,161,302
TOTAL PROJECT COST		$ 10,161,302

[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 2018 we contracted with a consultant to utilize an optimization software to 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 $1.5 - $2.0 Million each year 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.

2023 Update: Automated Pavement Conditions Assessment has been completed. 2023 candidate streets will be generated with the results of this assessment.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	1,150,000	1,150,000	1,500,000	1,500,000	1,750,000	$ 7,050,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS MSA (Updated 2018)	-	-	-	$ -	551,302	565,000	565,000	565,000	565,000	$ 2,811,302
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER CTF	-	-	-	$ -	60,000	60,000	60,000	60,000	60,000	$ 300,000
TOTAL:	$ -	$ -	$ -	$ -	$ 1,761,302	$ 1,775,000	$ 2,125,000	$ 2,125,000	$ 2,375,000	$ 10,161,302

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H2302

PROJECT TITLE: ADA Accessibility Transition Plan

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 166,441	$ 180,000	$ 185,000	$ 195,000	$ 200,000	$ 926,441
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 166,441	$ 180,000	$ 185,000	$ 195,000	$ 200,000	$ 926,441

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:	$ 926,441
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 926,441

[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:	3063006.9820	$ 4,475
Materials:	1191196.9621	$ 183,320
Other Contracts:	3063006.9760	$ 738,646
TOTAL PROJECT COST		$ 926,441

[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 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.

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

•ADA Compliant Ramps – 1592

•Non-ADA Compliant Ramps – 182

•Total Number of Ramps – 1774

•Locations in need of a Ramp – 3

Chart to be updated for 2023 including 2022 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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	141,441	155,000	160,000	170,000	175,000	$ 801,441
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS CDBG	-	-	-	$ -	25,000	25,000	25,000	25,000	25,000	$ 125,000
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 166,441	$ 180,000	$ 185,000	$ 195,000	$ 200,000	$ 926,441

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H2201

PROJECT TITLE: Annual Street Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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:	Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Annual Street Program from 2022.

§ 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:	$ 9,309,591
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 1,451,675
% Complete (if underway):	15.6%
Balance to be funded[1]:	$ 7,857,916

[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	$ 9,309,591
TOTAL PROJECT COST		$ 9,309,591

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:		Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES		450,000	-	450,000	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES		288,759	2,313	286,446	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT		-	-	-	$ -	-	-	-	-	-	$ -
GRANTS	MSA (Updated 2018)	562,916	-	562,916	$ -	-	-	-	-	-	$ -
BOND ISSUES		-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN		-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT		-	-	-	$ -	-	-	-	-	-	$ -
OTHER	CTF	150,000	-	150,000	$ -	-	-	-	-	-	$ -
TOTAL:		$ 1,451,675	$ 2,313	$ 1,449,362	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H2202

PROJECT TITLE: ADA Accessibility Transition Plan

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

ADA Accessibility Transition Plan from 2022.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2009
Est. Completion Date:	2026
Est. Useful Life (in years):	20
Est. Total Cost:	$ 853,719
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 162,278
% Complete (if underway):	19.0%
Balance to be funded[1]:	$ 691,441

[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:	3063006.9820	$ 4,124
Materials:	1191196.9621	$ 168,930
Other Contracts:	3063006.9760	$ 680,665
TOTAL PROJECT COST		$ 853,719

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS CDBG	24,100	771	23,329	$ -	-	-	-	-	-	$ -
BOND ISSUES	138,178	-	138,178	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 162,278	$ 771	$ 161,507	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H2203

PROJECT TITLE: City Hall Parking Lot Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 625,000	$ -	$ -	$ -	$ -	$ 625,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 625,000	$ -	$ -	$ -	$ -	$ 625,000

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:	2022
Est. Completion Date:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	$ 645,937
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 20,937
% Complete (if underway):	3.2%
Balance to be funded[1]:	$ 625,000

[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:	3063006.9820	$ 58,315
Materials:	3063006.9622	$ 566,685
Other Contracts:		$ -
TOTAL PROJECT COST		$ 625,000

[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 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 at the end of 2021. 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.

2023 Update:
Project has been submitted for Bond Bill funding through the Delaware General Assembly. Funding request of $875,000 includes the NPD Security upgrades and the lot paving. Funding decision will be made with State Fiscal Year 2023 budget in June 2022. An engineering consultant has been engaged to assist with plans and specifications for this project. Previously considered for ARPA Funding of $525,000, temporarily moved pending Bond Bill funding.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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	-	-	-	-	$ 625,000
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 20,937	$ -	$ 20,937	$ -	$ 625,000	$ -	$ -	$ -	$ -	$ 625,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H1903

PROJECT TITLE: Skid Steer Purchase

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Street
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:	Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2019
Est. Completion Date:	2024
Est. Useful Life (in years):	N/A
Est. Total Cost:	$ 75,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 75,000

[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:	3063006.9622	$ 75,000
Other Contracts:		$ -
TOTAL PROJECT COST		$ 75,000

[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.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	75,000	-	-		$ 75,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	750	750	750	$ 2,250

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: H1503

PROJECT TITLE: Newark Transportation Plan Implementation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 62,500	$ 70,000	$ 70,000	$ 95,000	$ 95,000	$ 392,500
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 62,500	$ 70,000	$ 70,000	$ 95,000	$ 95,000	$ 392,500

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

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.

2023 Update:
1. A $12,500 grant was awarded to the City of Newark to study possible upgrades to Chrysler Avenue. The award was made in 2022 and will be utilized in 2022-2023.
2. 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.
3. Next steps in the Wyoming Road upgrades per Council presentation June 2022.
4. 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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2015
Est. Completion Date:	2027
Est. Useful Life (in years):	20
Est. Total Cost:	$ 1,528,259
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 1,135,759
% Complete (if underway):	74.3%
Balance to be funded[1]:	$ 392,500

[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	$ 392,500
TOTAL PROJECT COST		$ 392,500

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	50,000	50,000	50,000	75,000	75,000	$ 300,000
CAPITAL RESERVES	-	1,500	12,000	$ (13,500)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS Delaware Bicycle Council, etc.	63,500	-	50,000	$ 13,500	12,500	20,000	20,000	20,000	20,000	$ 92,500
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 63,500	$ 1,500	$ 62,000	$ -	$ 62,500	$ 70,000	$ 70,000	$ 95,000	$ 95,000	$ 392,500

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: HEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ 900,000	$ 150,000	$ -	$ 100,000	$ 1,150,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ -	$ 900,000	$ 150,000	$ -	$ 100,000	$ 1,150,000

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

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 (2023-2027).

§ 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:	$ 1,235,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ 85,000
% Complete (if underway):	6.9%
Balance to be funded[1]:	$ 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:	3063026.9623	$ 1,150,000
TOTAL PROJECT COST		$ 1,150,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	24,712	-	24,712	$ -	-	466,030	43,500	-	46,254	$ 555,784
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	60,288	-	60,288	$ -	-	433,970	106,500	-	53,746	$ 594,216
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 85,000	$ -	$ 85,000	$ -	$ -	$ 900,000	$ 150,000	$ -	$ 100,000	$ 1,150,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION

VEHICLE NUMBER	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	DUMP TRUCKS												
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	2004 Int'l 7400 Dump Truck	a.	11/21/03	95,845	10	2013	2022	95,845					
553	2013 Int'l 7400 Dump Truck/Swap Loader	c.	03/28/13	161,985	10	2023	2024	161,985		350,000			
	OTHER EQUIPMENT												
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	2024	55,000		100,000			
531	2018 Case 621G Wheel Loader		06/01/18	165,031	10	2018	2028	165,031					
TOTAL STREET DIVISION					**GROSS ACQUISITION COST**				**$ -**	**$ 900,000**	**$ 150,000**	**$ -**	**$ 100,000**
					LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
					LESS: USE OF CURRENT RESOURCES				-	(466,030)	(43,500)	-	(46,254)
					NET EQUIPMENT SINKING FUND TOTAL				**$ -**	**$ 433,970**	**$ 106,500**	**$ -**	**$ 53,746**

a. This vehicle is scheduled to be replaced in 2022.
b. This vehicle will not be replaced.
c. This vehicle is the second swaploader - funds from 508 and 509 (not to be replaced) were used to purchase in 2013.
d. This vehicle will not be replaced - its replacement funds were used as part of the second swap loader replacement (vehicle 553)

VEHICLE NUMBER	DESCRIPTION		LEASE START DATE	PRIOR PURCHASE PRICE	NORMAL LEASE YEAR	BUDGET LEASE YEAR	REPLACEMENT SCHEDULE TERM	LEASE PAYMENT SCHEDULE 2023	2024	2025	2026	2027
	FOREMAN'S TRUCK											
515	2013 Ford F150 Pickup 4x4		06/28/13	19,994	2023	2023	5	45,000				
	SIGNS & PAINTING											
551	2012 Ford F450 Stake Truck		01/20/12	50,759	2020	2023	5	150,000				
	DUMP TRUCKS											
528	2021 Int'l HV507 SFA 6x4 Swap Loader Truck		08/25/21	260,856	2027	2028	5					
554	2004 Int'l 7400 Dump Truck	a.	11/21/03	95,845	2022	2022	5					
	OTHER EQUIPMENT											
510	2020 Monster 25YD Leaf Loader		08/25/21	75,797	2027	2028	5					
511	2013 Case 590 SM Loader/Backhoe 4x4		01/07/14	92,375	2023	2023	5	150,000				

a. This vehicle is scheduled to be replaced in 2022.

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: T2201

PROJECT TITLE: Survey Equipment Purchase

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
*Prior Authorized Balance:	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
2023-2027 Funding:	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Engineering
FUND:	Capital Projects
PROJECT LOCATION:	City Hall
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:	2023
Est. Useful Life (in years):	10
Est. Total Cost:	$ 50,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 50,000

[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:	3063006.9760	$ 50,000
Other Contracts:		$ -
TOTAL PROJECT COST		$ 50,000

[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:

Purchase of new GPS survey equipment for our Engineering staff. This equipment allows us to connect to satellites and conduct boundary, location, and topographic surveys with one person rather than a traditional 2 person team. The current unit is obsolete and out of service due to lack of support for 3G devices.

2023 Update: We have recieved quotes on the necessary equipment at approximately $44,000. Adding necessary funding to the 2023 budget.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	25,000	-	-	$ 25,000	25,000	-	-	-	-	$ 25,000
CAPITAL RESERVES	-	-	-	$ -	25,000	-	-	-	-	$ 25,000
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 25,000	$ -	$ -	$ 25,000	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET — OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: TEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 35,000	$ -	$ 50,000	$ -	$ 65,000	$ 150,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 35,000	$ -	$ 50,000	$ -	$ 65,000	$ 150,000

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

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 (2023-2027).

§ 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:	$ 185,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 185,000

[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	$ 185,000
TOTAL PROJECT COST		$ 185,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	19,022	-	44,168	$ 63,190
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	35,000	-	30,978	-	20,832	$ 86,810
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 35,000	$ -	$ 50,000	$ -	$ 65,000	$ 150,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
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	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	STAFF VEHICLES											
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					
	SURVEY VAN											
746	2013 Ford Van Transit Connect	08/30/13	21,806	10	2023	2023	35,000	35,000				
	INSPECTORS											
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**				**$ 35,000**	**$ -**	**$ 50,000**	**$ -**	**$ 65,000**
				LESS: USE OF CAPITAL RESERVES				-	-	-	-	-
				LESS: USE OF CURRENT RESOURCES				-	-	(19,022)	-	(44,168)
				NET EQUIPMENT SINKING FUND TOTAL				**$ 35,000**	**$ -**	**$ 30,978**	**$ -**	**$ 20,832**

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

FLEET MAINTENANCE DIVISION

2023 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET

Object Level Detail:	2022 BUDGET *As Amended	2023 BUDGET **As Proposed	$ +/- 2022* over 2023**	% +/- 2022* over 2023**	Comments
Personnel Services Detail:					
Full-time Wages	*303,600*	*312,683*	*9,083*	*2.99%*	**Step increases and advancements*
Other Wages	*43,388*	*44,748*	*1,360*	*3.13%*	**No real budgeted change, overall increase of $1,360 (+3.13%) from FY22 to FY23.*
Benefits	*176,156*	*193,529*	*17,373*	*9.86%*	**FY23 increase is due City-wide allocations changes to our line items 6940 (City Pension Plan), 6960 (Group Hospitalization Ins.) and 6965 (Post-Employment Benefits).*
Personnel Services	$ 523,144	$ 550,960	27,816	5.32%	*Sum of above listed wages and benefits
Materials and Supplies	$ 580,100	$ 722,700	142,600	24.58%	*Due to increased supply-related costs, the overall FY23 increase is largely comprised of additions of $15,000 to line item 7060 (Tire & Tire Repair Expense), $75,000 to line item 7070 (Gasoline, Oil, Coolant, etc.) and $50,000 to line item 7310 (Vehicle Maintenance).
Contractual Services	$ 305,210	$ 414,147	108,937	35.69%	*FY23 overall increase is largely due to City-wide allocation changes to our insurance lines impacting our division by $8,774, plus an increase of $100,000 to line item 8310 (Vehicle Maintenance).
Other - Depreciation	$ 41,343	$ 41,590	247	0.60%	*Finance Calculation
Other Expenditures	$ 2,200	$ 2,000	(200)	-9.09%	*No real budgeted change, overall decrease of -$200 (-9.09%) to line item 9020 (Mileage and Small Business Expense) from FY22 to FY23.
Subtotal:	**$ 1,451,997**	**$ 1,731,397**	**$ 279,400**	**19.24%**	
Inter-Dept. Charges	$ 72,137	$ 107,316	35,179	48.77%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used, Information Technology and Other Indirect Charges
Total Operating Expenses:	**$ 1,524,134**	**$ 1,838,713**	**$ 314,579**	**20.64%**	
Full-time Positions	4	4	0		*No change in FTE from FY2022 to FY2023.

CAPITAL IMPROVEMENT PLAN (CIP)

Project ID:	Project Description:	Comments
Ongoing projects:		
M2201	In-Ground Vehicle Lift Replacement	Project listed in 2023-2027 CIP - (Est. Completion Date: 2023)
MEQSF	Equipment Replacement Program	Perpetual Project

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Summary:

FLEET MAINTENANCE DIVISION - SUMMARY	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
OPERATING EXPENSES								
Personnel Services	$ 485,615	$ 509,932	$ 584,662	$ 508,274	$ 523,144	$ 550,960	$ 27,816	5.3%
Materials and Supplies	655,746	609,132	486,070	604,227	580,100	722,700	142,600	24.6%
Contractual Services	198,883	224,529	310,772	367,972	305,210	414,147	108,937	35.7%
Other Charges	29,370	19,787	34,739	42,440	43,543	43,590	47	0.1%
Subtotal	$ 1,369,614	$ 1,363,380	$ 1,416,243	$ 1,522,913	$ 1,451,997	$ 1,731,397	$ 279,400	19.2%
Inter-Dept. Charges	68,899	113,660	134,256	97,704	72,137	107,316	35,179	48.8%
Total Operating Expenses	**$ 1,438,513**	**$ 1,477,040**	**$ 1,550,499**	**$ 1,620,617**	**$ 1,524,134**	**$ 1,838,713**	**$ 314,579**	**20.6%**

* as amended ** as proposed

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures: * as amended ** as proposed

		PERSONNEL SERVICES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
6006002	6250	Mechanics	$ 268,173	$ 280,075	$ 299,875	$ 393,080	$ 303,600	$ 312,683	$ 9,083	3.0%
6006002	6580	Service Award	5,356	5,831	6,309	6,803	7,388	8,002	614	8.3%
6006002	6590	Sick Pay	4,308	4,765	4,669	5,085	5,300	5,246	(54)	-1.0%
6006002	6620	Overtime	9,486	6,122	21,042	23,992	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	1,400	1,600	200	14.3%
6006002	6885	Device Reimbursement	1,500	1,500	1,500	1,500	900	1,500	600	66.7%
6006002	6920	Unemployment Comp. Ins.	1,124	1,147	1,264	1,179	1,188	1,334	146	12.3%
6006002	6930	Social Security Taxes	22,273	22,985	25,449	33,077	26,368	27,102	734	2.8%
6006002	6940	City Pension Plan	99,393	117,245	154,348	(30,943)	61,965	69,990	8,025	13.0%
6006002	6941	Defined Contribution 401(a) Plan	4,300	4,762	5,204	5,295	5,322	5,482	160	3.0%
6006002	6950	Term Life Insurance	1,286	1,591	1,636	1,554	1,442	1,466	24	1.7%
6006002	6960	Group Hospitalization Ins.	40,326	41,602	45,244	55,141	55,593	61,360	5,767	10.4%
6006002	6961	Long-Term Disability Ins.	486	635	664	536	391	402	11	2.8%
6006002	6962	Dental Insurance	2,316	2,316	2,388	2,748	3,023	2,941	(82)	-2.7%
6006002	6963	Flexible Spending Account	-	-	-	63	-	-	-	0.0%
6006002	6964	Health Savings Account	1,500	1,500	1,500	750	1,500	1,500	-	0.0%
6006002	6965	Post-Employment Benefits	18,456	12,504	8,136	2,160	17,118	19,690	2,572	15.0%
6006002	6966	Retirement Health Savings Account	1,380	1,400	1,476	1,470	1,464	1,486	22	1.5%
6006002	6967	Emergency Room Reimbursements	-	-	-	800	580	580	-	0.0%
6006002	6968	Vision Insurance Premiums	152	152	158	184	202	196	(6)	-3.0%
TOTAL PERSONNEL SERVICES			**$ 485,615**	**$ 509,932**	**$ 584,662**	**$ 508,274**	**$ 523,144**	**$ 550,960**	**$ 27,816**	**5.3%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

MATERIALS AND SUPPLIES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
6006003	7060	Tire & Tire Repair Expense	$ 87,445	$ 83,876	$ 77,416	$ 82,162	$ 95,000	$ 110,000	$ 15,000	15.8%
6006003	7070	Gasoline, Oil, Coolant, Etc.	352,846	317,258	197,019	315,290	275,000	350,000	75,000	27.3%
6006003	7110	Safety Shoes and Supplies	1,296	1,249	1,203	1,069	1,200	1,200	-	0.0%
6006003	7130	Tools, Field Sup., & Small Eq.	6,869	5,685	884	10,647	7,500	10,000	2,500	33.3%
6006003	7150	Office Supplies	440	28	9	-	400	500	100	25.0%
6006003	7230	Janitorial Supplies	-	-	39	-	-	-	-	0.0%
6006003	7250	Buildings and Grounds Maint. Supplies	-	590	469	178	-	-	-	0.0%
6006003	7300	Machinery & Equip. Maintenance	3,460	472	-	-	1,000	1,000	-	0.0%
6006003	7310	Vehicle Maintenance	203,390	199,974	209,031	194,881	200,000	250,000	50,000	25.0%
TOTAL MATERIALS & SUPPLIES			**$ 655,746**	**$ 609,132**	**$ 486,070**	**$ 604,227**	**$ 580,100**	**$ 722,700**	**$ 142,600**	**24.6%**

* as amended ** as proposed

CONTRACTUAL SERVICES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
6006004	8030	Casualty Insurance	$ 6,049	$ 7,283	$ 7,797	$ 4,972	$ 6,166	$ 6,611	$ 445	7.2%
6006004	8031	Insurance - Property	50,670	45,157	54,411	53,622	55,322	65,340	10,018	18.1%
6006004	8032	Insurance - Auto	3,922	3,383	4,143	3,422	3,248	3,744	496	15.3%
6006004	8033	Insurance - Broker	5,191	5,506	5,574	2,205	958	973	15	1.6%
6006004	8035	Insurance - Worker's Compensation	-	10,209	13,476	14,546	17,600	15,400	(2,200)	-12.5%
6006004	8050	Phone/Communications	158	169	190	166	690	200	(490)	-71.0%
6006004	8131	Information Technology Cont'l	5,824	4,082	5,312	4,493	11,832	9,189	(2,643)	-22.3%
6006004	8300	Machinery & Equip. Maintenance	242	-	2,800	3,898	3,000	3,300	300	10.0%
6006004	8310	Vehicle Maintenance	117,632	74,379	105,525	169,626	100,000	200,000	100,000	100.0%
6006004	8311	Vehicle Accidents	9,082	5,724	27,617	27,117	5,000	10,000	5,000	100.0%
6006004	8312	Fleet & Facilities Services	-	68,604	83,888	83,835	101,394	99,390	(2,004)	-2.0%
6006004	8550	Misc. Contracted Services	113	33	39	70	-	-	-	0.0%
TOTAL CONTRACTUAL SERVICES			**$ 198,883**	**$ 224,529**	**$ 310,772**	**$ 367,972**	**$ 305,210**	**$ 414,147**	**$ 108,937**	**35.7%**

CITY OF NEWARK, DELAWARE
2023 OPERATING BUDGET

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

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
6006005	9020	Mileage & Small Bus. Expense	$ 11	$ -	$ 15	$ -	$ 200	$ -	$ (200)	-100.0%
6006005	9060	Depreciation Expense	28,156	16,978	34,624	42,260	41,343	41,590	247	0.6%
6006005	9070	Training & Continuing Educ/Conf	1,203	2,809	100	180	2,000	2,000	-	0.0%
TOTAL OTHER CHARGES			**$ 29,370**	**$ 19,787**	**$ 34,739**	**$ 42,440**	**$ 43,543**	**$ 43,590**	**$ 47**	**0.1%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
Billings and Accounting	$ 15,687	$ 1,943	$ 18,570	$ 19,319	$ 17,904	$ 19,783	$ 1,879	10.5%
Electricity	12,640	71,300	71,545	47,601	9,858	55,244	45,386	460.4%
Information Technology	21,426	18,778	21,796	20,983	24,618	23,205	(1,413)	-5.7%
Other Indirect Charges	19,146	21,639	22,345	9,801	19,757	9,084	(10,673)	-54.0%
TOTAL INTER-DEPT. CHARGES	**$ 68,899**	**$ 113,660**	**$ 134,256**	**$ 97,704**	**$ 72,137**	**$ 107,316**	**$ 35,179**	**48.8%**

* as amended ** as proposed

OPERATING EXPENSES - FLEET MAINTENANCE DIVISION	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 BUDGET *	2023 BUDGET **	$ DIFFERENCE FROM 2022-23	% DIFFERENCE FROM 2022-23
TOTAL OPERATING EXPENSES	**$ 1,438,513**	**$ 1,477,040**	**$ 1,550,499**	**$ 1,620,617**	**$ 1,524,134**	**$ 1,838,713**	**$ 314,579**	**20.6%**

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT
FLEET MAINTENANCE DIVISION

2023-2027 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2023-2027
(with current year amended budget)

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

F U N D I N G   S U M M A R Y

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 130,000	$ -	$ -	$ 70,000	$ -	$ 200,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 130,000	$ -	$ -	$ 70,000	$ -	$ 200,000

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2022 BUDGET AS AMENDED	|----2023 RESERVES AND OTHER FUNDING	2023----| CURRENT FUNDING	2023	2024	2025	2026	2027	TOTAL
M2201	In-Ground Vehicle Lift Replacement	D	$ -	$ -	$ 130,000	$ 130,000	$ -	$ -	$ -	$ -	$ 130,000
MEQSF	Equipment Replacement Program	B	-	-	-	-	-	-	70,000	-	70,000
	Total Maintenance Fund - Fleet Maintenance Division		**$ -**	**$ -**	**$ 130,000**	**$ 130,000**	**$ -**	**$ -**	**$ 70,000**	**$ -**	**$ 200,000**
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		$ -	$ -	$ 130,000	$ 130,000	$ -	$ -	$ 70,000	$ -	$ 200,000
	LESS: USE OF RESERVES		-	-	-	-	-	-	-	-	-
	VEHICLE & EQUIPMENT REPLACEMENT		-	-	-	-	-	-	(35,388)	-	(35,388)
	GRANTS		-	-	-	-	-	-	-	-	-
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		-	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		-	-	-	-	-	-	-	-	-
	NET CAPITAL IMPROVEMENTS		$ -	$ -	$ 130,000	$ 130,000	$ -	$ -	$ 34,612	$ -	$ 164,612

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

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*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: M2201

PROJECT TITLE: In-Ground Vehicle Lift Replacement

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ 130,000	$ -	$ -	$ -	$ -	$ 130,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 Funding:	$ 130,000	$ -	$ -	$ -	$ -	$ 130,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PWWR
DIVISION:	Fleet Maintenance
FUND:	Maintenance
PROJECT LOCATION:	Field Operations Complex (FOC)
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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Tandem Lift and mobile lifts have been replaced. This replacement is for the passenger vehicle lifts in each bay of garage. Inspections were completed in 2021 and the lifts were certified for function and safety through 2022. Funding has been programmed for 2023, with equipment selection and installation taking place in 2023.

§ 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:	$ 130,000
Est. Spend @ 12/31/2022 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
Balance to be funded[1]:	$ 130,000

[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:	6006016.9622	$ 130,000
TOTAL PROJECT COST		$ 130,000

[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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	130,000	-	-	-	-	$ 130,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ 130,000	$ -	$ -	$ -	$ -	$ 130,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2022 carryover funding only.

PROJECT NO: MEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2023	2024	2025	2026	2027	Total 5 Year
New Funding:	$ -	$ -	$ -	$ 70,000	$ -	$ 70,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2023-2027 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 @ 12/31/2022 (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 (2023-2027).

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 03/31/22	Estimated Expenditures 04/01/22 - 12/31/22	Estimated Authorized Balance[2] 12/31/22	2023	2024	2025	2026	2027	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:	2023	2024	2025	2026	2027	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2023 - 2027
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	REPLACEMENT COSTS 2023	2024	2025	2026	2027
	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 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,625.00	2,720.00	95.00	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Bluebeam Revu	Annual	1,198.00	447.00	(751.00)	PDF Based Engineering Review and Collaboration Software Maintenance
8131	Comcast / Verizon South Chapel St South Well Field (SWF) $112.25	Monthly	1,440.00	1,440.00	-	Internet Connection
8131	Crystal Reports Server Annual Maintenance - Allocated	Annual	800.00	-	(800.00)	Report Generation Software (SCADA)
8131	Elster License Fee (SLA) Tropos Software Maintenance - Allocated	Annual	15,750.00	15,750.00	-	Smart-Meter System (Wireless Infrastructure)
8131	Elster Software Maintenance - EAMS Allocated	Annual	7,550.00	11,025.00	3,475.00	Smart-Meter System (Radio Infrastructure) & FieldSense
8131	Esri Small Government ELA - Allocated	Annual	2,500.00	2,750.00	250.00	GIS Server, Client, Cloud Licensing
8131	Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,467.94	4,468.00	0.06	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	7,310.66	7,676.00	365.34	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	13,352.90	15,459.00	2,106.10	Utility Billing Software (including Smart-Meter System)
8131	Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,293.70	-	(1,293.70)	Smart Meter - Oracle Database Software License
8131	Redhat Software Maintenance - Allocated	Annual	550.00	550.00	-	Smart Meter - Linux Operating System for Servers
8131	Schneider Electric - ClearScada Annual Maintenance (ACS)	Annual	4,100.00	4,100.00	-	ClearScada, Topview, Kepware, GeoScada
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	5,904.24	-	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	11,280.00	11,280.00	-	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	2,122.00	2,122.00	-	VOIP Phone System
	8131 Subtotal:		*82,244.44*	*85,691.24*	*3,446.80*	
			$ 82,244.00	**$ 85,691.00**	**$ 3,447.00**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,625.00	2,720.00	95.00	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Elster License Fee (SLA) Tropos Software Maintenance - Allocated	Annual	15,750.00	15,750.00	-	Smart-Meter System (Wireless Infrastructure)
8131	Elster Software Maintenance - EAMS Allocated	Annual	7,550.00	11,025.00	3,475.00	Smart-Meter System (Radio Infrastructure) & FieldSense
8131	Esri Small Government ELA - Allocated	Annual	2,500.00	2,750.00	250.00	GIS Server, Client, Cloud Licensing
8131	Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,467.94	4,468.00	0.06	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	7,310.66	7,676.00	365.34	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	13,352.90	15,459.00	2,106.10	Utility Billing Software (including Smart-Meter System)
8131	Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,293.80	-	(1,293.80)	Smart Meter - Oracle Database Software License
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	7,380.30	-	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
	8131 Subtotal:		*62,780.60*	*67,778.30*	*4,997.70*	
			$ 62,781.00	**$ 67,778.00**	**$ 4,997.00**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,625.00	2,720.00	95.00	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	13,352.90	15,459.00	2,106.10	Utility Billing Software (including Smart-Meter System)
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	5,904.24	-	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	960.00	960.00	-	Computer Mobile Internet Connectivity
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	350.00	350.00	-	VOIP Phone System
	8131 Subtotal:		*23,192.14*	*25,393.24*	*2,201.10*	
			$ 23,192.00	**$ 25,393.00**	**$ 2,201.00**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	5,904.24	5,904.24	-	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*	*7,694.24*	-	
			$ 7,694.00	**$ 7,694.00**	**$ -**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,428.18	4,428.18	-	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:		*4,428.18*	*4,908.18*	*480.00*	
			$ 4,428.00	**$ 4,908.00**	**$ 480.00**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 Budget	+/- Prior Year	Description
8131	Bluebeam Revu	Annual	2,247.00	447.00	(1,800.00)	PDF Based Engineering Review and Collaboration Software Maintenance
8131	Esri Small Government ELA - Allocated	Annual	2,500.00	2,750.00	250.00	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	5,904.24	-	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Cellular/Data - Allocated	Monthly	6,300.00	6,300.00	-	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
	8131 Subtotal:		*21,904.08*	*20,354.08*	*(1,550.00)*	
			$ 21,904.00	**$ 20,354.00**	**$ (1,550.00)**	

CITY OF NEWARK, DELAWARE
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION
APPENDIX A - OBJECT CODE 8131 - (2022 AND 2023 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

Code	2023 IT Annual Operating Expense	Renewal	2022 Budget	2023 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	2,643.09	-	(2,643.09)	Snap-On Vehicle Diagnostic Handheld Scanner Software
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,428.18	4,428.18	-	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:		*11,832.27*	*9,189.18*	*(2,643.09)*	
			$ 11,832.00	**$ 9,189.00**	**$ (2,643.00)**	

PUBLIC WORKS & WATER RESOURCES
CITY OF NEWARK

220 South Main Street · Newark, Delaware 19711
302.366.7000 · Fax 302.366.7160 · www.newarkde.gov

September 1, 2022

To: Honorable Mayor and Council

From: Tim Filasky, Director of Public Works and Water Resources TF
David Del Grande, Director of Finance JAH for DDG

Via: Thomas Coleman, City Manager TC

Subject: 2023 Public Works and Water Resources Personnel Budget Request

PWWR is proposing to change a part-time Administrative Assistant (admin) position to a full-time Administrative Assistant position in the 2023 Budget Proposal. The part-time position is currently filled in the Water Division at approximately 30 hours per week.

Due to our wide breadth of services, our administrative staff takes on public facing tasks related to many of our services, including resident calls regarding refuse collection, water and wastewater issues, workorder scheduling, processing utility permits, scheduling meter appointments, all in addition to other administrative tasks such as data collection and reporting, regulatory filings, and purchase order requisitions. The majority of these tasks are most efficiently handled by PWWR admins as opposed to admins in other departments who currently assist periodically when our full-time admin is out of the office and our part-time employee is only working 5 hours a day. This request is an effort to continue to provide the consistent levels of service that our residents and businesses expect.

Most complaints and service requests are completely handled by our administrative staff, functioning more like a customer service representative for a majority of the day. Call volumes remain consistently high in PWWR and they are answered and addressed as they come in, as our residents expect. The flexibility that an upgrade from part-time to full-time will provide would allow us to dedicate administrative assistant hours to better coordinate administrative task time assisting project managers and technical staff with their tasks, while the calls are handled by their co-worker. This assistance will allow managers to better service our growing number of Capital Projects as noted by City Manager Coleman in his budget remarks.

By amending this position in the 2023 budget, it will cost approximately $89,000 in salary and benefits, an additional $59,000 in 2023 over the 2022 budget.