

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

2022 BUDGET PRESENTATION

AS PRESENTED ON: SEPTEMBER 13th, 2021

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

DIRECTOR OF PUBLIC WORKS AND WATER RESOURCES WATER WATER **STREET REFUSE VEHICLE ENGINEERING PRODUCTION RESOURCES MAINTENANCE COLLECTION MAINTENANCE** • Light Construction • Refuse Collection • Vehicle Specification Well Operations • Project Inspection Pavement • Water Plant Operations Plan Review • Emergency Repairs • Sign and Traffic • Recycling Collection and Preparation Valve Maintenance • Booster Stations NPDES Marking Maintenance • Yard Waste Collection • Fleet and Equipment • Tank Maintenance Surveying • Sanitary Sewer • Tank Maintenance • Yard Waste Processing Maintenance • Drafting • Snow Plowing • Reservoir Maintenance • Water System • Capital Project • Hydrant Inspection • Leaf Collection Regulatory Compliance Management and Maintenance Sidewalk Sweeping • Sewer System • Sediment and • Meter Installation • Catch Basin Cleaning Regulatory Compliance Stormwater Program and Repair Water System Capital Inspections • Storm Sewers Project Administration • Street Sweeping SCADA, GIS Mapping • Storm System and Asset Management Maintenance Metering Sewer Capital Administration • Stormwater Capital Administration • Customer Service Purchasing

CITY OF NEWARK, DELAWARE PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 2022 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. 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.

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.

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

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 2021 DEPARTMENTAL ACCOMPLISHMENTS

Key accomplishments in 2021 include:

• Stormwater Utility:

- 10 segments of Corrugated Metal Pipe making up approximately 1,050 feet were lined to extend their life for up to 50 years, including high risk pond outfall locations.
- o Completed the Rodney Park and Stormwater Pond Project.

Sewer Utility:

- o Completed point repairs at 7 different locations identified by CCTV in previous years.
- o Completed the 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 major overhaul of our South Well Field Water Treatment Plant. This \$4
 Million upgrade was made possible by the State Revolving Loan Fund and the 2018 Capital
 Referendum. The plant is now online and treating and distributing approximately 2 million
 gallons of water per day.

Refuse:

 Maintained full refuse schedule including yard waste and bulk collection with reduced staff due to Covid-19.

Street:

o Completed paving and rehabilitation of streets and curbs in 14 segments of street around the City, including the Fairfield Park parking lot.

Engineering:

Completed Sediment and Stormwater reviews and approved 17 applications, including 8
 Construction Improvement Plans related to development projects.

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

Goals for 2022 include:

- 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. Additional funding may be made available through subsequent bills dealing specifically with infrastructure and will be leveraged to complete a significant amount of backlog in all of these systems.
- Address flooding along Julie Lane and Rahway Drive through a comprehensive review of the contributing drainage area and review and implement potential solutions. Utilize grant funding through DEMA/FEMA made available due to Hurricane Isaias.
- Address backlog of maintenance on water, sewer, streets, and stormwater infrastructure caused by staffing and budget challenges during the Covid-19 pandemic.
- 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.
- Research and Implement Impact Fees or Capital Recovery Fees for new development for Water and Sewer Utilities.
- Complete the evaluation and exercising of all line valves in the water system, making repairs as necessary.
- Develop the Lead Water Service Line Identification Inventory and Replacement Plan. While the City has not had issues with lead in the past based on regular sampling and we take steps to limit the possibility of lead in our system, identification and removal of any lead service lines is an important step to ensure that we eliminate any chance of lead entering our supply.

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

EXECUTIVE SUMMARY

	FY2021	FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	1,474,839	1,528,663	53,824	3.65%	*Step increases and advancements along with staffing changes. One of our 2021 "Equipment Operator" positions is now an "Equipment Operator II" in 2022.
Part-time Wages	50,173	50,015	(158)	-0.31%	*Generally flat, decreased by 0.31% in FY22. A recent retirement of our P/T Admin Professional I listed in 2021 is budgeted to be filled at a lower rate in 2022. This reduction of \$7,158 is partial offset due to the addition of (1) Intern for 2022. These are being budgeted a \$7,000 per intern in 2022.
Other Wages	 224,479	236,347	11,868	5.29%	*FY22 increase is largely due to additions of \$2,615 to line item 6580 (Service Award), \$2,953 to line item 6590 (Sick Pay), \$5,000 to line item 6620 (Overtime) and \$600 to line item 6885 (Device Reimbursements).
Benefits	891,561	883,219	(8,342)	-0.94%	*FY22 decrease is largely due to reductions of -\$22,036 to line item 6960 (Group Hospitalization), -\$1,237 to line item 6961 (Long-Term Disability Insurance), -\$1,158 to line item 6962 (Dental Insurance) and -\$9,066 to line item 6965 (OPEB). These reductions were partially offset by additions of \$4,947 to line item 6930 (Social Security Taxes), \$2,370 to line item 6940 (City Pension), \$7,226 to line item 6941 (Defined Contribution 401(a) Plan) and \$10,6814 to line item 6966 (Retirement Health Savings Account).
Personnel Services	\$ 2,641,052	\$ 2,698,244	57,192	2.17%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 403,300	\$ 409,400	6,100	1.51%	*FY22 increase is due to additions of \$600 to line item 7110 (Safety Shoes and Supplies), \$500 to line item 7130 (Tools, Field Supplies & Small Equipment) and \$5,000 to line item 7270 (Station Maintenance).
Contractual Services	\$ 966,998	\$ 1,065,417	98,419	10.18%	*Impacting the FY22 increase are City-Wide changes related to our insurance coverage. Insurance lines increased by a total of \$42,016. Additionally, larger additions of \$5,000 to line item 8040 (Merchant Fees and Discounts), \$3,820 to line item 8131 (Information Technology Cont'l), \$10,000 to line item 8150 (Water Service Contracts), \$14,623 to line item 8312 (Flee and Facilities Services), \$10,000 to line item 8320 (Well Maintenance) and \$10,000 to line item 8330 (Meter Testing and Repairs) were added in 2022.
Other - Depreciation	\$ 81,304	\$ 58,512	(22,792)	-28.03%	*Finance Calculation
Other - Debt Service (Principal)	\$ 1,632,028	\$ 1,708,989	76,961	4.72%	*Finance Calculation
Other - Debt Service (Interest)	\$ 574,576	\$ 528,184	(46,392)	-8.07%	*Finance Calculation
Other Expenditures	\$ 49,755	\$ 43,938	(5,817)	-11.69%	*Finance Calculation. FY22 decrease is largely due to a reduction of -\$5,735 to line item 9054 (Amortization of Refinance Loss)
Subtotal:	\$ 6,349,013	\$ 6,512,684	\$ 210,063	3.31%	
nter-Dept. Charges	\$ 749,499	\$ 1,018,490	268,991	35.89%	*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:	\$ 7,098,512	\$ 7,531,174	\$ 479,054	6.75%	
Full-time Positions	21	21	0		*No change from FY2021 to FY2022.

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

EXECUTIVE SUMMARY (continued)

Droject ID:	Project Description:	Comments
Project ID:	Project Description:	Comments
New projects:		
W2201	Water Facilities Security Improvements	New Project added in 2022-2026 Capital Improvement Program
W2202	South Well Field Roof Replacements	New Project added in 2022-2026 Capital Improvement Program
W2203	Well and Wellhouse Facility Upgrades	New Project added in 2022-2026 Capital Improvement Program
W2204	Curtis WTP - Treatment Units 4/5 Rehabilitation	New Project added in 2022-2026 Capital Improvement Program
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects:		
Ongoing projects: W2101	Evergreen Booster Station Rehabilitation	Ongoing project listed in 2022-2026 CIP, projected spending next in 2022
	Highfield Drive Booster Station Rehabilitation	
W2102 W2103	New London Water Tank Chlorination	Ongoing project listed in 2022-2026 CIP, projected spending next in 2023
		Perpetual Project
W2104	Cleveland Avenue Water Adjustments	Approved carryover funding from 2021. Project scheduled to be completed by EOY 2021.
W2001	Newark Reservoir Upgrades	Ongoing project listed in 2022-2026 CIP, projected spending next in 2023
W1901	Main Street Water Main Improvements	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
W1701	Valve Inspection, Exercising and Rehabilitation	Ongoing project listed in 2022-2026 CIP, projected spending next in 2022
W1702	Source Water Protection	Perpetual Project
W1703	Laird Tract Well Field Restoration	Ongoing project listed in 2022-2026 CIP, projected spending next in 2022
W1601	Backup Generation at Water Facilities	Ongoing project listed in 2022-2026 CIP, projected spending next in 2023
W1602	Roseville Park Pressure District	Ongoing project listed in 2022-2026 CIP, projected spending next in 2022
W1503	Academy Street Interconnection Pump Station	Ongoing project listed in 2022-2026 CIP, projected spending next in 2024
W1402	Air Stripper Replacement - South Well Field	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
W1303	Water System Master Plan	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
W0503	Well Restoration Program	Perpetual Project
W9302	Water SCADA System	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
W9308	Water Main Replacement Program	Perpetual Project
W8605	Water Tank Maintenance	Perpetual Project
WEOSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

2022 OPERATING EXPENDITURES

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

Summary:

ATER DIVISION - SUMMARY 2017 ACTUAL			2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		2021 BUDGET AS AMENDED		2022 BUDGET		DIFFERENCE ROM 2021-22	% DIFFERENCE FROM 2021-22
REVENUES														
Sale of Water	\$	9,299,681	\$	9,347,665	\$	9,102,939	\$	8,170,030	\$	8,689,000	\$	8,800,000	\$ 111,000	1.3%
Penalties		26,621		20,257		25,340		24,197		20,000		22,000	2,000	10.0%
Service Fees		40,524		27,751		21,945		53,644		35,200		35,000	(200)	-0.6%
Other Revenues		224,195		160,898		159,458		218,973		116,250		118,000	1,750	1.5%
Interest Revenue		28,987		30,920		35,858		21,531		31,000		30,000	(1,000)	-3.2%
Subtotal	\$	9,620,008	\$	9,587,491	\$	9,345,540	\$	8,488,375	\$	8,891,450	\$	9,005,000	\$ 113,550	1.3%
Less: Water Purchased		N/A		N/A		N/A		N/A		N/A		N/A	N/A	0.0%
Gross Operating Revenue	\$	9,620,008	\$	9,587,491	\$	9,345,540	\$	8,488,375	\$	8,891,450	\$	9,005,000	\$ 113,550	1.3%
OPERATING EXPENSES														
Personnel Services	\$	2,359,205	\$	2,124,854	\$	2,696,643	\$	2,112,806	\$	2,641,052	\$	2,698,244	\$ 57,192	2.2%
Utility Purchases		N/A		N/A		N/A		N/A		N/A		N/A	N/A	0.0%
Materials & Supplies		331,613		319,958		349,823		319,009		403,300		409,400	6,100	1.5%
Contractual Services		699,245		942,083		882,481		778,021		966,998		1,065,417	98,419	10.2%
Other Charges		785,298		761,771		2,111,404		1,847,783		2,337,663		2,339,623	1,960	0.1%
Subtotal	\$	4,175,361	\$	4,148,666	\$	6,040,351	\$	5,057,619	\$	6,349,013	\$	6,512,684	\$ 163,671	2.6%
Inter-Dept. Charges		797,994		554,335		864,845		473,775		749,499		1,018,490	268,991	35.9%
Total Operating Expenses	\$	4,973,355	\$	4,703,001	\$	6,905,196	\$	5,531,394	\$	7,098,512	\$	7,531,174	\$ 432,662	6.1%
Net Operating Margin (Before Capital Costs)	\$	4,646,653	\$	4,884,490	\$	2,440,344	\$	2,956,981	\$	1,792,938	\$	1,473,826	\$ (319,112)	-17.8%

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

PERSONNEL SE	VICES			2017		2018		2019		2020	20	21 BUDGET		2022
FERSONNEL SEI	WICES			ACTUAL		ACTUAL		ACTUAL		ACTUAL	AS	AMENDED		BUDGET
5295202	6020	Supervisory	\$	361,039	\$	381,809	Ś	375,864	\$	395,851	\$	391,091	\$	410,086
5295202	6030	Engineering/Technical	*	2,747	Ψ.	853	Ψ.	126	Ψ.	-	Ψ.	36,507	Ψ.	37,304
5295202	6050	Information Technology		-,		-		54,973		60,630		62,191		65,722
5295202	6080	Clerical		82,006		83,291		86,602		99,650		99,853		93,680
5295202	6200	Line Maintenance		416,772		385,101		428,851		440,453		406,633		425,689
5295202	6210	Inspectors		99,470		57,703		60,911		67,150		68,850		72,764
5295202	6220	Plant Operators		279,200		288,853		299,327		317,271		376,984		382,431
5295202	6230	Maintenance Workers		30,601		65,230		66,475		70,528		68,903		70,002
5295202	6240	Sweeper Operator		2,058		· -				· -		-		
5295202	6580	Service Award		20,465		22,944		24,535		23,146		24,475		27,090
5295202	6590	Sick Pay		7,002		7,355		11,198		22,777		15,564		18,517
5295202	6610	Seasonal Workers		11,018		10,652		14,661		2,033		14,000		14,000
5295202	6615	Interns		5,122		5,077		4,856		-		-		7,000
5295202	6620	Overtime		156,324		173,272		224,084		176,104		145,000		150,000
5295202	6621	Shift Differential		5,733		5,812		5,934		5,770		6,800		7,000
5295202	6622	Holiday Premium		14,166		15,302		13,501		18,275		17,600		18,000
5295202	6623	Weekend Premium		2,339		3,497		3,116		3,297		2,500		2,600
5295202	6880	Uniform Allowance		7,925		7,570		7,870		7,420		7,440		7,440
5295202	6885	Device Reimbursement		-		4,625		5,225		5,175		5,100		5,700
5295202	6920	Unemployment Comp. Ins.		7,449		5,749		6,363		6,580		6,386		6,385
5295202	6930	Social Security Taxes		113,247		110,462		124,665		127,739		130,651		135,598
5295202	6940	City Pension Plan		308,246		318,589		497,304		(19,878)		243,570		245,940
5295202	6941	Defined Contribution 401(a) Plan		19,752		24,965		38,722		41,672		46,326		53,552
5295202	6950	Term Life Insurance		5,235		5,533		6,934		6,264		7,546		6,912
5295202	6960	Group Hospitalization Ins.		255,770		254,522		250,829		269,728		356,332		334,296
5295202	6961	Long-Term Disability Ins.		2,063		2,191		2,854		2,613		3,193		1,956
5295202	6962	Dental Insurance		16,009		14,287		13,869		14,242		18,455		17,297
5295202	6963	Flexible Spending Account		194		189		142		189		252		126
5295202	6964	Health Savings Account		1,500		1,500		1,500		1,500		1,500		2,250
5295202	6965	Post-Employment Benefits		115,433		(142,700)		52,979		(66,878)		70,876		61,810
5295202	6966	Retirement Health Savings Account		5,071		6,977		10,696		10,804		2,453		13,134
5295202	6967	Emergency Room Reimbursements		4,347		2,775		800		1,833		2,973		2,972
5295202	6968	Vision Insurance Premiums		902		869		877		868		1,048		991
TOTAL PERSONN	EL SERVI	CES	\$	2,359,205	\$	2,124,854	\$	2,696,643	\$	2,112,806	\$	2,641,052	\$	2,698,244

\$ DIFFERENCE	% DIFFERENCE
FROM 2021-22	FROM 2021-22
\$ 18,995	4.9%
\$ 18,995 797	4.9% 2.2%
	2.2% 5.7%
3,531	
(6,173)	-6.2%
19,056	4.7%
3,914	5.7%
5,447	1.4%
1,099	1.6%
-	0.0%
2,615	10.7%
2,953	19.0%
-	0.0%
7,000	100.0%
5,000	3.4%
200	2.9%
400	2.3%
100	4.0%
-	0.0%
600	11.8%
(1)	0.0%
4,947	3.8%
2,370	1.0%
7,226	15.6%
(634)	-8.4%
(22,036)	-6.2%
(1,237)	-38.7%
(1,158)	-6.3%
(126)	-50.0%
750	50.0%
(9,066)	-12.8%
10,681	435.4%
(1)	0.0%
(57)	-5.4%
\$ 57,192	2.2%

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 WATER DIVISION

т	TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	A	2021 AS AMENDED	2022 # OF POSITIONS	A	2022 S PROPOSED	POSITION DIFFERENCE		\$ DIFFERENCE	% CHANGE
-	ULL TIME POSITIONS												
_	Director of PWWR	MGMT	33	1.0	\$	126,815	1.0	\$	134,665	0.0	\$	7,850	6.2%
	Deputy Director of PWWR	MGMT	29	1.0	\$	102,297	1.0	\$	108,644	0.0	\$	6,347	6.2%
	Water Operations Superintendent	MGMT	23	1.0	\$	92,146	1.0	\$	94,088	0.0	\$	1,942	2.1%
	PWWR Supervisor	MGMT	19	1.0	Ś	69,833	1.0	\$	72,689	0.0	\$	2,856	4.1%
	Water and Sewer Inspector	CWA F/T	16	1.0	¢	68,850	1.0	\$	72,764	0.0	\$	3,914	5.7%
	Senior Water Plant Operator	AFSCME LOCAL 3919 F/T	16	1.0	¢	86,365	1.0	\$	88,233	0.0	\$	1,868	2.2%
	GIS Technician	CWA F/T	14	1.0	¢	62,191	1.0	\$	65,722	0.0	\$	3,531	5.7%
	Vater Plant Operator **	AFSCME LOCAL 3919 F/T	14	4.0	Ċ	290,619	4.0	\$	294,198	0.0	ب \$	3,531	1.2%
	Engineering Technician *	CWA F/T	14	4.0	Ċ	36,507	4.0	\$	37,304	0.0	\$	797	2.2%
	Nater Meter Technician	AFSCME LOCAL 1670 F/T	10	1.0	ب خ	68,598	1.0	۶ \$	70,002	0.0	۶ \$	1,404	2.0%
		AFSCME LOCAL 1670 F/T	10	1.0	ç	68,903	1.0	\$ \$	70,002	0.0	۶ \$	1,404	2.0% 1.6%
	Heavy Equipment Op/Mech Admin Professional I	•	10	1.0	Ş	,	1.0		,	0.0	Ş	985	
		CWA F/T	_	_	Ş	63,680	1.0	\$ \$	64,665	0.0	\$ \$		1.5%
_	Digital Scanner/Record Asst II	CWA F/T	8	1.0	Ş	59,027			59,937		Ş	910	1.5%
2	Maintenance IV	AFSCME LOCAL 1670 F/T	8	1.0	\$	63,857	1.0	\$	64,838	0.0	\$	981	1.5%
_	Maintenance III	AFSCME LOCAL 1670 F/T	6	1.0	Ş	58,157	1.0	\$	59,365	0.0	\$	1,208	2.1%
	quipment Operator II	AFSCME LOCAL 1670 F/T	6		Ş	-	1.0	\$	58,614	1.0	Ş	58,614	100.0%
	quipment Operator ***	AFSCME LOCAL 1670 F/T	3	4.0	\$	156,994	3.0	\$	112,933	(1.0)	\$	(44,061)	-28.1%
<u>T</u>	Total Full-Time Positions			21.0	\$	1,474,839	21.0	\$	1,528,663	0.0	\$	53,824	3.6%
ر 1	PART-TIME FUNDING												
_	Admin Professional I	CWA P/T			\$	36,173		\$	29,015		\$	(7,158)	-19.8%
	Seasonal	CWA P/ I			ې خ	14,000		ې خ	14,000		ې د	(7,136)	0.0%
-					ې خ	14,000		ې خ	7,000		ې د	7,000	100.0%
	ntern Total Part-Time Funding				۶ \$	50,173		<u>\$</u>	50,015		۶ \$	(158)	-0.3%
	otal Part-Time Funding				Ą	30,173		<u> </u>	50,015		Ş	(158)	-0.3%
c	OTHER												
_	service Award				ς	24,475		\$	27,090		\$	2,615	10.7%
_	sick Pay				ς	15,564		ς	18,517		Ś	2,953	19.0%
	Overtime				¢	145,000		Ġ	150,000		Ġ	5,000	3.4%
	Shift Differential				¢	6,800		Ġ	7,000		Ġ	200	2.9%
_	Holiday Premium				Ċ	17,600		ć	18,000		Ċ	400	2.3%
	Veekend Premium				ر خ	2,500		ب خ	2,600		ڊ خ	100	4.0%
	Jniform Allowance				ب خ	7,440		ب خ	7,440		ې خ	100	0.0%
_	Device Reimbursements				ې د	5,100		ې د	5,700		ې د	600	11.8%
_	Total Other				÷	224,479		÷	236,347		<u>ې</u>	11,868	5.3%
	otal Other				Ą	224,479		<u> </u>	230,347		Ą	11,000	5.3%
_													
T	Total All			21.0	\$	1,749,491	21.0	\$	1,815,025	0.0	\$	65,534	3.7%

^{*} Please note that the Engineering Technician position will be partially funded through both the Water and Stormwater Fund evenly.

^{**} Please note that the 2021 Water Plant Operator line contains 1 Vacant position for 2021.

^{***} Please note that the 2021 and 2022 total funding for Equipment Operator positions includes 1 FTE that is currently unfunded.

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

MATERIALS AN	MATERIALS AND SUPPLIES				2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET		
5295203	7080	Pumping Station Electric	\$	33,948	\$ 30,585	\$ 29,216	\$ 24,612	\$ 40,000	\$	40,000	
5295203	7090	Treatment Plant Chemicals		101,900	110,796	103,949	92,477	140,000		140,000	
5295203	7110	Safety Shoes and Supplies		7,401	7,220	5,699	5,244	4,800		5,400	
5295203	7130	Tools, Field Sup., & Small Eq.		13,432	14,604	10,867	14,327	12,000		12,500	
5295203	7140	Uniforms		-	58	-	-	-		-	
5295203	7150	Office Supplies		3,427	4,981	3,265	2,586	4,000		4,000	
5295203	7260	Line Maintenance		108,918	85,119	124,650	119,292	110,000		110,000	
5295203	7270	Station and Well Maintenance		2,212	1,834	3,089	10,620	10,000		15,000	
5295203	7275	Reservoir Maintenance		4,428	8,170	4,594	4,065	7,500		7,500	
5295203	7280	Treatment Plant Maintenance		4,932	15,616	15,472	9,273	35,000		35,000	
5295203	7320	Well Maintenance		673	11,088	4,381	-	-		-	
5295203	7330	Water Meters		49,450	39,172	44,883	38,023	40,000		40,000	
5295203	7540	Inventory Adjustment		817	(9,285)	(242)	(1,604)	-		-	
5295203	7550	Miscellaneous Supplies		75	-	-	94	-		-	
TOTAL MATERIA	LS & SUP	PLIES	\$	331,613	\$ 319,958	\$ 349,823	\$ 319,009	\$ 403,300	\$	409,400	

\$ 6,100	0.0% 0.0% 0.0%
- - -	0.0%
- - -	
-	0.0%
-	
	0.0%
-	0.0%
-	0.0%
5,000	50.0%
-	0.0%
-	0.0%
-	0.0%
500	4.2%
600	12.5%
-	0.0%
\$ -	0.0%
FROM 2021-22	FROM 2021-22
\$ DIFFERENCE	% DIFFERENCE

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

ONTRACTUAL	SERVICE	:S	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 BUDGET AS AMENDED			2022 BUDGET		
5295204	8020	Advertising	\$ 2,203	\$ 8,154	\$ 978	\$ 1,169	\$	2,000	\$	3,600		
5295204	8030	Casualty Insurance	23,665	25,148	26,846	27,159		23,555		33,726		
5295204	8031	Insurance - Property	56,896	90,456	91,774	97,501		99,415		117,833		
5295204	8032	Insurance - Auto	13,918	26,793	25,880	20,698		20,064		22,739		
5295204	8033	Insurance - Broker	9,561	12,681	13,056	13,181		5,234		5,238		
5295204	8035	Insurance - Worker's Compensation	-	-	34,252	45,183		48,450		59,20		
5295204	8040	Merchant Fees and Discounts	103,232	102,842	101,478	87,240		100,000		105,000		
5295204	8050	Phone/Communications	9,937	3,277	3,948	945		480		1,84		
5295204	8120	Outside Engineering	65,186	37,953	49,244	44,561		115,000		115,00		
5295204	8130	Building & Equipment Rental	2,236	4,382	1,045	778		3,500		3,50		
5295204	8131	Information Technology Cont'l	68,642	44,836	48,105	80,097		78,424		82,24		
5295204	8150	Water Service Contracts	53,075	73,061	72,605	73,763		45,000		55,00		
5295204	8260	Line Maintenance	8,205	42,213	26,545	37,150		50,000		50,00		
5295204	8270	Station Maintenance	7,135	6,488	7,599	8,290		7,500		7,50		
5295204	8275	Reservoir Maintenance	14,707	24,673	28,638	31,310		30,000		30,00		
5295204	8280	Treatment Plant Maintenance	72,617	82,964	118,600	30,703		90,000		90,00		
5295204	8312	Fleet & Facilities Services	145,354	319,113	166,488	139,068		179,876		194,49		
5295204	8313	Self-Insurance Services	-	2,402	21,525	190		-				
5295204	8320	Well Maintenance	15,750	3,857	4,498	7,048		20,000		30,00		
5295204	8325	Tank Cleaning and Inspection	6,400	2,500	5,284	1,555		10,000		10,00		
5295204	8330	Meter Testing and Repairs	237	204	53	-		2,500		12,50		
5295204	8550	Misc. Contracted Services	5,919	6,456	12,245	8,097		10,000		10,00		
5295204	8899	Mowing Contract	14,370	21,630	21,795	22,335		26,000		26,00		
OTAL CONTRAC	TUAL SEF	RVICES	\$ 699,245	\$ 942,083	\$ 882,481	\$ 778,021	\$	966,998	\$	1,065,41		

\$	98,419	10.2%
	-	0.0%
	-	0.0%
	10,000	400.0%
	-	0.0%
	10,000	50.0%
	-	0.0%
	14,623	8.1%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	10,000	22.2%
	3,820	4.9%
	_	0.0%
		0.0%
	1,360	283.3%
	5,000	5.0%
	10,750	22.2%
	2,675 4	13.3% 0.1%
	18,416	18.5%
	10,171	43.2%
\$	1,600	80.0%
	2022 22	
	M 2021-22	FROM 2021-22
Ś [DIFFERENCE	% DIFFERENCE

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

OTHER CHARGES			2017 CTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET
5295205	9002	Subvention - Aetna Hook and Ladder	\$ -	\$ -	\$ 3,644	\$ 5,543	\$ 3,300	\$ 3,300
5295205	9010	Bad Debt Expense	389	25,696	1,488	1,321	6,012	3,930
5295205	9020	Mileage & Small Bus. Expense	4,638	4	-	-	-	-
5295205	9051	Debt Service Principal	-	-	1,400,000	1,185,000	1,230,000	1,275,000
5295205	9052	Debt Service Interest	192,908	168,169	134,925	99,165	75,150	38,250
5295205	9054	Amortization of Refinance Loss	34,443	34,443	34,443	34,443	34,443	28,708
5295205	9056	Debt Service Principal - Smart Meters	334,940	342,320	349,851	357,548	365,400	373,450
5295205	9057	Debt Service Interest - Smart Meters	90,587	83,221	75,690	67,993	60,120	52,088
5295205	9058	Debt Service Principal - ECM	33,832	34,510	35,202	35,908	36,628	27,952
5295205	9059	Debt Service Interest - ECM	3,809	3,131	2,439	1,733	1,013	279
5295205	9060	Depreciation Expense	84,619	67,041	63,436	55,040	81,304	58,512
5295205	9070	Training & Continuing Educ/Conf	5,133	3,236	10,286	4,089	6,000	8,000
5295205	9152	Debt Service Interest - SRL Funded Capital-W17(-	-	-	-	404,000	431,025
5295205	9201	Debt Service - Unit 207 Lease Payment (Principa	-	-	-	-	-	27,803
5295205	9202	Debt Service - Unit 207 Lease Payment (Interest	-	-	-	-	31,534	3,703
5295205	9205	Debt Service - Principal (ESCO)	-	-	-	-	-	4,784
5295205	9206	Debt Service - Interest (ESCO)	-	-	-	-	2,759	2,839
TOTAL OTHER CHA	RGES		\$ 785,298	\$ 761,771	\$ 2,111,404	\$ 1,847,783	\$ 2,337,663	\$ 2,339,623

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2021-22	FROM 2021-22
\$	-	0.0%
	(2,082)	-34.6%
	-	0.0%
	45,000	3.7%
	(36,900)	-49.1%
	(5,735)	-16.7%
	8,050	2.2%
	(8,032)	-13.4%
	(8,676)	-23.7%
	(734)	-72.5%
	(22,792)	-28.0%
	2,000	33.3%
	27,025	6.7%
	27,803	100.0%
	(27,831)	-88.3%
	4,784	100.0%
	80	2.9%
\$	1,960	0.1%

INTER-DEPT. CHARGES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET
Administrative Overhead	\$	489,945	\$ 362,695	\$ 694,095	\$ 318,792	\$ 501,840	\$ 817,248
Billings and Accounting		130,505	63,628	68,916	98,934	90,224	116,794
Electricity		201,211	208,527	186,300	146,430	188,130	147,837
Information Technology		83,848	86,381	58,119	67,051	105,561	97,133
Other Indirect Charges		(130,442)	(196,649)	(165,663)	(189,066)	(158,110)	(185,841)
Printing and Reproduction		108	100	93	61	104	104
Warehousing		22,819	29,653	22,985	31,573	21,750	25,215
TOTAL INTER-DEPT. CHARGES	\$	797,994	\$ 554,335	\$ 864,845	\$ 473,775	\$ 749,499	\$ 1,018,490

\$	DIFFERENCE	% DIFFERENCE
FRO	OM 2021-22	FROM 2021-22
\$	315,408	62.9%
	26,570	29.4%
	(40,293)	-21.4%
	(8,428)	-8.0%
	(27,731)	17.5%
	-	0.0%
	3,465	15.9%
\$	268,991	35.9%
7	200,331	

OPERATING EXPENSES - WATER DIVISION	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL			2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET
TOTAL OPERATING EXPENSES	\$ 4,973,355	\$ 4,703,001	\$	6,905,196	\$	5,531,394	\$ 7,098,512	\$ 7,531,174

\$ 432,662	6.1%
FROM 2021-22	FROM 2021-22
\$ DIFFERENCE	% DIFFERENCE

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

2022-2026 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2022-2026

(with current year amended budget)

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

New Funding:
*Prior Authorized Balance:
2022-2026 Funding:

 FUNDING
 SUMMARY

 2022
 2023
 2024
 2025
 2026
 Total 5 Year

 \$ 6,019,000
 \$ 2,979,000
 \$ 4,000,000
 \$ 2,185,000
 \$ 2,160,000
 \$ 17,343,000

 \$ 6,019,000
 \$ 2,979,000
 \$ 4,000,000
 \$ 2,185,000
 \$ 2,160,000
 \$ 17,343,000

 *Prior Authorized Balance includes 2021 carryover funding only.

PROJECT	PROJECT		2021 BUDGET		ERVES AND		 CURRENT		2022		2023	2024	2025	2026		TOTAL
NUMBER	NAME	*	AS AMENDED	ОТН	ER FUNDING	i I	FUNDING					0	_0_0			
W2201	Water Facilities Security Improvements	В	\$ -	\$	-	\$	100,000	\$	100,000	\$	-	\$ -	\$	\$ -	\$	100,000
W2202	South Well Field Roof Replacements	D	-		-		· -		-		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
W2205	Curtis WTP - Raceway and Backwash Lagoon Rehabilitation	D	-		-		550,000		550,000		-	-	-	-		550,000
W2101	Evergreen Booster Station Rehabilitation	В	-		-		250,000		250,000		-	-	-	-		250,000
W2102	Highfield Drive Booster Station Rehabilitation	В	-		-		-		-		100,000	-	-	-		100,000
W2103	New London Water Tank Chlorination	В	265,000		-		100,000		100,000		-	-	-	-		100,000
W2104	Cleveland Avenue Water Adjustments	D	-		-		-		-		-	-	-	-		-
W2001	Newark Reservoir Upgrades	В	-		-		-		-		100,000	1,500,000	-	-		1,600,000
W1901	Main Street Water Main Improvements	В	-		-		-		-		-	-	-	-		-
W1701	Valve Inspection, Exercising and Rehabilitation	В	165,000		-		125,000		125,000		125,000	-	-	-		250,000
W1702	Source Water Protection	Α	-		-		25,000		25,000		25,000	25,000	25,000	25,000		125,000
W1703	Laird Tract Well Field Restoration	Α	100,000		1,925,000		-		1,925,000		-	-	-	-		1,925,000
W1601	Backup Generation at Water Facilities	Α	100,000		-		-		-		125,000	125,000	125,000	-		375,000
W1602	Roseville Park Pressure District	В	100,000		-		25,000		25,000		-	-	-	-		25,000
W1503	Academy Street Interconnection Pump Station	В	-		-		-		-		-	300,000	-	-		300,000
W1402	Air Stripper Replacement - South Well Field	В	-		-		-		-		-	-	-	-		-
W1303	Water System Master Plan	D	-		-		-		-		-	-	-	-		-
W0503	Well Restoration Program	В	70,019		-		29,000		29,000		29,000	-	-	-		58,000
W9302	Water SCADA System	В	-		-		-		-		-	-	-	-		-
W9308	Water Main Replacement Program	В	2,000,000		2,000,000		-		2,000,000		2,000,000	2,000,000	2,000,000	2,000,000		10,000,000
W8605	Water Tank Maintenance	В	1,800,000		-		500,000		500,000		-		-			500,000
WEQSF	Equipment Replacement Program	В	35,000	_	25,267		14,733	_	40,000		75,000	 50,000	35,000	135,000	_	335,000
Total Wa	ter Fund - Water Division		\$ 4,635,019	\$	3,950,267	\$	2,068,733	\$	6,019,000	\$	2,979,000	\$ 4,000,000	\$ 2,185,000	\$ 2,160,000	\$	17,343,000
PLANNED	FINANCING SOURCES															
	GROSS CAPITAL IMPROVEMENTS		\$ 4,635,019	\$	3,950,267	\$	2,068,733	\$	6,019,000	\$	2,979,000	\$ 4,000,000	\$ 2,185,000	\$ 2,160,000	\$	17,343,000
	LESS: USE OF RESERVES		(231,019)		-		-		-		-	-	-	-		-
	VEHICLE & EQUIPMENT REPLACEMENT		(25,011)		(25,267)		-		(25,267)		(47,168)	(19,541)	(21,491)	(61,114)		(174,581)
	GRANTS		(125,000)		-		-		-		(50,000)	-	-	-		(50,000)
	BOND ISSUES		-		-		-		-		-	-	-	-		-
	STATE REVOLVING LOANS		(3,800,000)		(1,925,000)		-		(1,925,000)		-	-	-	-		(1,925,000)
	AMERICAN RESCUE PLAN ACT		-		(2,000,000)		-		(2,000,000)		(2,000,000)	(2,300,000)	-	-		(6,300,000)
	OTHER FINANCING SOURCES				-		-	_	-		-	 -	 -	 		-
	NET CAPITAL IMPROVEMENTS		\$ 453,989	\$	_	Ś	2,068,733	\$	2,068,733	Ś	881,832	\$ 1,680,459	\$ 2,163,509	\$ 2,098,886	\$	8,893,419

^{*} Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

PROJECT NO: W2201

PROJECT TITLE: Water Facilities Security

Improvements

PROJECT STATUS: New Project

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:	2022	2	2023	2024	2025	2026	To	otal 5 Year
New Funding:	\$ 100,000	\$	-	\$ -	\$ -	\$ -	\$	100,000
*Prior Authorized Balance:	\$ 1	\$	-	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$ 100,000	\$	-	\$ -	\$ -	\$ -	\$	100,000

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

Remote Facilities fencing and gates need upgrades or replacement. Boosters, Tanks, and Treatment Plants all require security fencing and signage per federal and state regulations. Remote gate management and camera installations also contemplated.

8 906 1/2)	CHANARY OF PROJECT DATA
	Sustainable Community
COMPREHENSIVE DEV	ELOPMENT PLANNING VISION ELEMENT:
	g a calculated risk in the deferral of this item
PROJECT PRIORITY:	3 - Medium-High
PROJECT LOCATION:	Various
FUND:	Water
DIVISION:	Water
DEPARTMENT:	PWWR

CAPITAL BUDGET - PROJECT DETAIL

§ 806.1(3) SUMMARY OF PROJECT DATA					
First Year in Program:	2022				
Est. Completion Date:	2022				
Est. Useful Life (in years):	50				
Est. Total Cost:	\$ 100,000				
Est. Spend @ 12/31/2021 (if underway) :	\$ -				
% Complete (if underway):	0.0%				
Balance to be funded¹:	\$ 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 PRO	\$	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 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	100,000	-	-	-	-	\$ 100,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	1	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	1	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	1	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	1	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	1	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
§ 806.1(4) ESTIMATED ANNUAL COST C	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: W2202 FUNDING SUMMARY: 2022 2023 2024

NEWARK

PROJECT TITLE: South Well Field Roof Replacements

ents

New Funding: \$
*Prior Authorized Balance: \$
2022-2026 Funding: \$

 2023
 2024
 2025
 2026
 Total 5 Year

 \$ 100,000
 \$ \$ \$ 100,000

 \$ 100,000
 \$ \$ \$

 \$ 100,000
 \$ \$ \$

PROJECT STATUS: New Project

Sustainable Community

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 DEVE	LOPMENT PLANNING VISION ELEMENT:			

§ 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 @ 12/31/2021 (if underway) :	\$ -				
% Complete (if underway):	0.0%				
Balance to be funded¹:	\$ 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 PRO	\$	100,000			

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

The existing filter building has the original roof which is in excess of 25 years old. The pump house is part of the original site dating back to the 1950's. Patches have been implemented over the years, however, there is daylight showing and cracking in some sections of the roof. These roofs protect sensitive treatment systems and chemical storage, along with electronics and communication systems.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	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 ANNU	AL COST OF	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PRO	DJECT OR ASSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only.

PROJECT NO: W2203 PROJECT TITLE: Well and Wellhouse Facility Upgrades

FUNDING SUMMARY: New Funding: *Prior Authorized Balance:

2023 2025 2026 **Total 5 Year** 300,000 300.000 \$ 300,000 \$ 300,000 2022-2026 Funding: \$

PROJECT STATUS: New Project

CAPITAL BUDGET - PROJECT DETAIL				
DEPARTMENT:	PWWR			
DIVISION:	Water			
FUND:	Water			
PROJECT LOCATION:	Various			
PROJECT PRIORITY:	3 - Medium-High			
The City would be taking	g a calculated risk in the deferral of this item			
COMPREHENSIVE DEVE	ELOPMENT 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):		20+			
Est. Total Cost:	\$	300,000			
Est. Spend @ 12/31/2021 (if underway):	\$	-			
% Complete (if underway):		0.0%			
Balance to be funded¹:	\$	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 PRO	\$	300,000			

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

Roof and siding where needed on various pump houses. Only upgrade existing where necessary. Don't build new, uncovered wells would be retrofitted with NEMA enclosures and weatherproof casings, eliminating the need for building enclosures.

	PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF	FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP	
CURRENT RESOURCES	5	-	-	-	\$ -	-	300,000	-	-	-	\$ 300,000	
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -	
EQUIPMENT REPLACE	MENT	-	-	-	\$ -	-	-	-	-	-	\$ -	
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -	
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -	
STATE REVOLVING LO	AN	-	-	-	\$ -	-	-	-	-	-	\$ -	
AMERICAN RESCUE PI	LAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -	
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -	
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	
	ESTIMATED ANNUAL CO			RATING IMPACT		2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR ASSET			INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -	

DEPARTMENT:

PROJECT LOCATION:

% Complete (if underway):

Balance to be funded:

PROJECT PRIORITY:

DIVISION:

FUND:

W2204 PROJECT NO:

PROJECT TITLE: Curtis WTP - Treatment Units 4/5 **FUN**

Rehabilitation

350,000

PROJECT STATUS: New Project

2 - High Priority Level Critical need to remediate failing service, prevent failure, or generate savings COMPREHENSIVE DEVELORMENT DI ANNING VISIONI ELEMENT.

CAPITAL BUDGET - PROJECT DETAIL

PWWR

Water

Water

Various

*Prior Authorized Balance includes 2021 carryover funding only.

NDING SUMMARY:		2022	2023		2024		2025		2026		Total 5 Year	
New Funding:	\$	350,000	\$	-	\$	-	\$	-	\$	-	\$	350,000
*Prior Authorized Balance:	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2022-2026 Funding:	\$	350,000	\$	-	\$	-	\$	-	\$	-	\$	350,000

Charter	8 ONE 1/2\	DECCDIDITION 0	JUSTIFICATION:
Charler	9 AUD. 1171	DESCRIPTION A	LIUSTIFICATION.

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.

Sustainable Community										
§ 806.1(3) SUMMARY OF PROJECT	DATA									
First Year in Program:	2022									
Est. Completion Date:	2022									
Est. Useful Life (in years):	15									
Est. Total Cost:	\$ 350,000									
Est. Spend @ 12/31/2021 (if underway):	\$ -									

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 PRO	JECT COST	\$	350,000								

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 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP	
CURRENT RESOURCES	-	-	-	\$ -	350,000	-	-	-	-	\$ 350,000	
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -	
EQUIPMENT REPLACEMENT	-	1	-	\$ -	-	1	-	-	-	\$ -	
GRANTS (SPECIFY)	-	1	-	\$ -	-	1	-	-	-	\$ -	
BOND ISSUES	-	-	-	\$ -	-	1	-	-	-	\$ -	
STATE REVOLVING LOAN	-	-	-	\$ -	-	1	-	-	-	\$ -	
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	1	-	1	-	\$ -	
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -	
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			:	2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR ASSET INC			AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -	

PROJECT NO: PROJECT TITLE:

W2205

Curtis WTP - Raceway and Backwash

Lagoon Rehabilitation

PROJECT STATUS: New Project

*Prior Authorized Balance includes 2021 carryover funding only. FUNDING SUMMARY: 2022 2023 2024

DING SUMMARY:	2022	2023	2024	2025	2026	10	itai 5 Year
New Funding:	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$	550,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$ 550,000	\$	\$ -	\$ -	\$ -	\$	550,000

Charter	§ 806.1(2	DESCRIPTION	& JUSTIFICATION:
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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.

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

§ 806.1(3) SUMMARY OF PROJECT DATA										
First Year in Program:		2022								
Est. Completion Date:		2022								
Est. Useful Life (in years):		20								
Est. Total Cost:	\$	550,000								
Est. Spend @ 12/31/2021 (if underway):	\$	-								
% Complete (if underway):		0.0%								
Balance to be funded¹:	\$	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 PRO	DJECT 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 FUND	S:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	550,000	-	-	-	-	\$ 550,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT		-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	1	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	1	-	\$ -
AMERICAN RESCUE PLAN AC	T	-	-	-	\$ -	-	-	-	1	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	1	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -	\$ 550,000
§ 806.1(4) ESTIM	ATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINT	AINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	_	-	-	\$ -

PROJECT NO: W2101

PROJECT TITLE: Evergreen Booster Station

Rehabilitation

PROJECT STATUS: In Progress (with end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Te	otal 5 Year
New Funding:	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$	250,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$	250,000

CAPITAL BUDGET - PROJECT DETAIL					
DEPARTMENT:	PWWR				
DIVISION:	Water				
UND:	Water				
PROJECT LOCATION:	Various				
PROJECT PRIORITY:	3 - Medium-High				
The City would be taking	a calculated risk in the deferral of this item				

The City would be taking a calculated risk in the deferral of this item
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:
Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2021					
Est. Completion Date:	2022					
Est. Useful Life (in years):	20					
Est. Total Cost:	\$ 250,000					
Est. Spend @ 12/31/2021 (if underway) :	\$ -					
% Complete (if underway):	0.0%					
Balance to be funded¹:	\$ 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:		\$	-			
Other Contracts:	5295206.9960	\$	250,000			
TOTAL PRO	\$	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."

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

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

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	ı	-	\$ -	250,000	1	1	-	-	\$ 250,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	-	1	1	-	-	\$ -
OTHER (SPECIFY)	-	ı	-	\$ -	-	1	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
§ 806.1(4) ESTIMATED ANNUAL COST O	7	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

PROJECT NO:

PROJECT TITLE:

W2102

WZ10Z

Highfield Drive Booster Station

Rehabilitation

PROJECT STATUS: In Progress (with end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year
New Funding:	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022-2026 Funding:	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000

Charter 8	\$ 806.1(2	DESCRIPTION 8	& 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.

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 DEVE	LOPMENT PLANNING VISION ELEMENT:
	Sustainable Community

CAPITAL BUDGET - PROJECT DETAIL

§ 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:	\$ 100,000				
Est. Spend @ 12/31/2021 (if underway):	\$ -				
% Complete (if underway):	0.0%				
Balance to be funded¹:	\$ 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 PRO	\$	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 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	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 C	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only. 2023

PROJECT NO: W2103 **PROJECT TITLE:**

New London Water Tank Chlorination

FUNDING SUMMARY: New Funding:

*Prior Authorized Balance: 2022-2026 Funding: \$ 2022

100.000

100,000

\$

2026

Total 5 Year

100.000

100,000

2025

PROJECT STATUS: Reoccurring (with no end date)

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									
9 000.1(3) SUIVIIVIANT OF PROJECT	DATA								
First Year in Program:		Perpetual							
Est. Completion Date:		Perpetual							
Est. Useful Life (in years):		20							
Est. Total Cost:	\$	365,000							
Est. Spend @ 12/31/2021 (if underway):	\$	265,000							
% Complete (if underway):		72.6%							
Balance to be funded :	\$	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	AMOUN						
Labor:		\$	-					
Materials:		\$	-					
Other Contracts:	5295206.9960	\$	100,000					
TOTAL PRO	\$	100,000						

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.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	265,000	-	265,000	\$ -	100,000	-	-	-	-	\$ 100,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 265,000	\$ -	\$ 265,000	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -	

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: W2104 FUNDING SUMMARY: 2022 2023 2024

VARK

PROJECT TITLE: Cleveland Avenue Water Adjustments

New Funding: \$
*Prior Authorized Balance: \$
2022-2026 Funding: \$

 2022
 2023
 2024
 2025
 2026
 Total 5 Year

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PROJECT STATUS: New Project

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

§ 806.1(3) SUMMARY OF PROJECT DATA									
First Year in Program:	2021								
Est. Completion Date:	2021								
Est. Useful Life (in years):	50								
Est. Total Cost:	\$ 63,858								
Est. Spend @ 12/31/2021 (if underway) :	\$ 63,858								
% Complete (if underway):	100.0%								
Balance to be funded¹:	\$ -								

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	AMOUN						
Labor:		\$	-					
Materials:		\$	-					
Other Contracts:	5295206.9960	\$	63,858					
TOTAL PRO	\$	63,858						

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

DelDOT is currently planning to install drainage for portions of Cleveland Avenue ahead of the full paving and rehabilitation between Chapel Street and New London Road. There are several known conflicts between the proposed drainage and the City's water mains, water services, and fire hydrant leads, which will need to be adjusted during the installation of the storm sewer. DelDOT's contractor will complete this work and Newark will reimburse DelDOT for any necessary adjustments. The work is planned to begin in Summer 2021, completion in Fall 2021.

Prior Authorized funding for these improvements are transferred from CIP W1901 - Main Street Water Main Improvements, which were completed under budget in 2019-2020.

Please note, in 2021 \$33,858 in prior authorized reserves was transferred from W1901 to W2104.

PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF FUNDS :		Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		30,000	-	30,000	\$ -	-	1	-	1	-	\$ -
CAPITAL RESERVES		33,858	-	33,858	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT		-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	1	-	1	-	\$ -
AMERICAN RESCUE PLAN ACT		-	1	-	\$ -	-	1	-	ī	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ 63,858	\$ -	\$ 63,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL			
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)			-	-	_	-	-	\$ -			

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: W2001 FUNDING SUMMARY: 2022 2023 2024

NEWARK

PROJECT TITLE: Newark Reservoir Upgrades

PROJECT STATUS: In Progress (with end date)

JNDING SUMMARY:	2022			2023	2024	2025			2026	Total 5 Year		
New Funding:	\$		\$	100,000	\$ 1,500,000	\$	1	\$	1	\$	1,600,000	
*Prior Authorized Balance:	\$	-	\$	-	\$ -	\$	-	\$	-	\$	-	
2022-2026 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 @ 12/31/2021 (if underway):	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 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:		\$	1							
Materials:		\$	-							
Other Contracts:	5295206.9960	\$	1,600,000							
TOTAL PRO	DJECT 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."

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:

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

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) SOURC	E OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP		
CURRENT RESOU	RCES	-	-	-	\$ -	-	50,000	1,500,000	-	-	\$ 1,550,000		
CAPITAL RESERVE	ES .	-	-	-	\$ -	-	-	-	-	-	\$ -		
EQUIPMENT REPI	LACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -		
GRANTS	SRF possible	-	-	-	\$ -	-	50,000	-	-	-	\$ 50,000		
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -		
STATE REVOLVING	G LOAN	-	-	-	\$ -	-	-	-	1	1	\$ -		
AMERICAN RESCU	JE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -		
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -		
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ -	\$ 1,600,000		
_	1(4) ESTIMATED ANNUAL CO			RATING IMPACT		2022	2023	2024	2025	2026	TOTAL		
OPERATIN	G / MAINTAINING PROJECT (OR ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	_	_	_	_	\$ -		

NEWARK

PROJECT NO: W1901

PROJECT TITLE: Main Street Water Main

Improvements

PROJECT STATUS: In Progress (with end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year	
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
2022-2026 Funding:	\$	\$ -	\$ -	\$ -	\$ -	\$ -	

CAPITAL BUDGET - PROJECT DETAIL								
DEPARTMENT:	PWWR							
DIVISION:	Water							
FUND:	Water							
PROJECT LOCATION:	Main Street							
PROJECT PRIORITY:	2 - High Priority Level							
Carried Control of the Control of the Control	range and the contract of the							

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:		2019								
Est. Completion Date:		2021								
Est. Useful Life (in years):		20								
Est. Total Cost:	\$ 2	297,297								
Est. Spend @ 12/31/2021 (if underway) :	\$ 2	297,297								
% Complete (if underway):		100.0%								
Balance to be funded¹:	\$	-								

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:		\$	1								
Materials:		\$	1								
Other Contracts:		\$									
TOTAL PRO	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	5.1(2) DESCRIPTION	ON & JUSTIFICATION
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NEW PROJECT ADDED APRIL 22, 2019 CITY COUNCIL MEETING.

As part of the DelDOT Main Street Rehabilitation and Pedestrian Improvement project, the City will upgrade portions of the water main distribution system in and along Main Street. The existing 10" water main is approximately 130 years old, with components dating back to 1888. The last major improvement involved cleaning and cement mortar lining of the main in 2002. While the previous lining process appears to have extended the useful life of the main itself, the 4" fire hydrant leads and associated valves were not included in the rehabilitation process and remain untouched since their initial installation. Over time, corrosion of the hydrant leads has resulted in mineral build up and corrosion inside the leads, reducing the inside diameter of the pipes to each hydrant. The reduction in pipe diameter restricts flow to hydrants resulting in lower hydrant flow rates and potential for breaks. Additionally, the spacing and age of the existing inline valves require wider disruptions in service to our customers when repairs or maintenance of the existing main is necessary. Replacement of existing inline valves and hydrant assemblies and installation of additional valves will improve hydrant reliability, fire flow rates and improve the City's ability to isolate segments of the water distribution system to perform future repairs with fewer impacts to our customers.

Please be advised that \$126,000 in Current Resources previously listed under other projects in 2019 will be transferred to W1901 per budget amendment. Below are the amounts:

Project: W1402 \$90,000 Project: W9302 \$6,000 Project: W9308 \$30,000

Please note, in 2021 \$33,858 in prior authorized reserves was transferred from W1901 to W2104.

	PROJECT FINANCING BY PLAN YEAR													
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP				
CURRENT RESOURCES	-	-	-	\$ -	1	-	-	-	-	\$ -				
CAPITAL RESERVES	297,297	297,297	-	\$ -	-	-	-	-	-	\$ -				
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -				
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -				
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -				
STATE REVOLVING LOAN	-	-	-	\$ -	1	-	-	-	-	\$ -				
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	1	-	-	-	-	\$ -				
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -				
TOTAL:	\$ 297,297	\$ 297,297	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
§ 806.1(4) ESTIMATED ANN	UAL COST OF	OPE	RATING IMPACT	T:	2022	2023	2024	2025	2026	TOTAL				
OPERATING / MAINTAINING PR	OJECT OR ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -				

NEWARK

PROJECT NO: W1701

PROJECT TITLE: Valve Inspection, Exercising and

Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2022		2023		2024	2025	2026	Total 5 Year	
New Funding:	\$	125,000	\$	125,000	\$ -	\$ -	\$ -	\$	250,000
*Prior Authorized Balance:	\$	1	\$	1	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$	125,000	\$	125,000	\$ -	\$ -	\$ -	\$	250,000

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:		2024					
Est. Useful Life (in years):		100					
Est. Total Cost:	\$	415,000					
Est. Spend @ 12/31/2021 (if underway):	\$	165,000					
% Complete (if underway):		39.8%					
Balance to be funded¹:	\$	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		AMOUNT						
Labor:		\$	-					
Materials:	5295206.9760	\$	82,500					
Other Contracts:	5295206.9960	\$	167,500					
TOTAL PRO	\$	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."

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.

	PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUN	DS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	125,000	125,000	-	-	-	\$ 250,000
CAPITAL RESERVES		165,000	-	165,000	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMEN	Τ	-	-	-	\$ -	-	-	-	-	1	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	1	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	1	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	1	\$ -
AMERICAN RESCUE PLAN A	ACT	-	-	-	\$ -	-	-	-	1	1	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ 165,000	\$ -	\$ 165,000	\$ -	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ -	\$ 250,000
	MATED ANNUAL COST O		OPE	RATING IMPACT	Γ:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAIN	TAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

PROJECT NO: PROJECT TITLE:

W1702

Source Water Protection

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2023 2025 2026 2022 2024 New Funding: 25.000 25.000 25.000 25.000 25.000 *Prior Authorized Balance Ś \$ 2022-2026 Funding: \$ 25.000 25.000 25.000 25.000 25.000

Total 5 Year

125.000

125.000

NEWARK

PROJECT STATUS: In Progress (with end date)

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 DI ANNING VISION ELEMENT:					

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:	\$	145,000					
Est. Spend @ 12/31/2021 (if underway) :	\$	20,000					
% Complete (if underway):		13.8%					
Balance to be funded¹:	\$	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		AMOUNT					
Labor:		\$	-				
Materials:		\$	-				
Other Contracts:	5295206.9960	\$	125,000				
TOTAL PRO	\$	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."

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. We anticipate another pilot project to be completed in late 2018 to further evaluate the potential benefits of long term participation in the Fund.

For more information on the fund please visit:

http://www.wra.udel.edu/brandywine-Christina-healthy-water-fund/

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	25,000	25,000	25,000	25,000	25,000	\$ 125,000
CAPITAL RESERVES	20,000	-	20,000	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	1	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 20,000	\$ -	\$ 20,000	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

PROJECT NO: W1703

PROJECT TITLE: **Laird Tract Well Field Restoration**

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2022		2023		2024		20	2025		2026		Total 5 Year	
New Funding:	\$	1,925,000	\$		\$	-	\$	-	\$	1	\$	1,925,000	
*Prior Authorized Balance:	\$	1	\$	1	\$	-	\$	-	\$	-	\$	-	
2022-2026 Funding:	\$	1,925,000	\$	-	\$	-	\$	-	\$	-	\$	1,925,000	

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 @ 12/31/2021 (if underway):	\$	100,000					
% Complete (if underway):		4.9%					
Balance to be funded¹:	\$	1,925,000					

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

PROJECT COST BY CATEGORY							
CLASSIFICATION		AMOUNT					
Labor:		\$	-				
Materials:		\$	-				
Other Contracts:	5295206.9760	\$	1,925,000				
TOTAL PRO	\$	1,925,000					

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 will submit for funding through the State Revolving Loan Fund based on the successful passage of the 2018 Referendum. We anticipate being eligible for Project Planning Advances and Planning Grants to help offset the costs of planning and design.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	50,000	ı	50,000	\$ -	-	1	1	-	-	\$ -
CAPITAL RESERVES	-	ı	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS PPA and Planning Grants	50,000	-	50,000	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	1	1	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$ -	1,925,000	1	1	-	-	\$ 1,925,000
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	-	ī	1	-	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 1,925,000	\$ -	\$ -	\$ -	\$ -	\$ 1,925,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

NEWARK

PROJECT NO: W1601
PROJECT TITLE: Backup

Backup Generation at Water Facilities

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

2022 2023 2024 5 - \$ 125,000 \$ 125,000 6 - \$ - \$ - \$ -

\$ 125,000 \$ - \$ 375,000 \$ - \$ - \$ -\$ 125,000 \$ - \$ 375,000

2026

Total 5 Year

2025

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL					
DEPARTMENT:	PWWR				
DIVISION:	Water				
FUND:	Water				
PROJECT LOCATION:	Well 17 and Northwest Booster				
PROJECT PRIORITY:	1 - Highest Priority Level				
Project underway and must be completed					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:					
Healthy & Active Community					

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2016					
Est. Completion Date:	2025					
Est. Useful Life (in years):	20					
Est. Total Cost:	\$ 570,000					
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ 195,000					
% Complete (if underway):	34.2%					
Balance to be funded¹:	\$ 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:		\$	1			
Materials:		\$	1			
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."

We currently have backup generation at the South Well Field Treatment Plant (SWF) which would allow the plant to continue operating during an emergency. Unfortunately, there are only three wells that also have backup generation capability and of those, only one could be used during a widespread power outage due to groundwater contamination. Due to this, the fact that we have backup power at SWF is generally irrelevant and the plant would be basically offline during emergencies. Fortunately, as long as the Curtis Treatment Plant is online and fully operational we can go without SWF if needed, albeit at a higher cost of production and the potential need for water restrictions depending on the time of year.

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

When this project was originally created, two of our three current high production wells - wells 15 and 17 - lacked backup power. This project originally proposed the installation of generators at each well. The sites will be served by natural gas or diesel generators with a preference toward natural gas, if available. Since the original proposal of the project, we have been able to repurpose an obsolete generator from the old Arbour Park booster station to operate Well 15. The cost was less than \$5,000, saving approximately \$50,000 from this project.

Total estimated cost for backup power for a well is \$70,000 for natural gas or \$58,000 for diesel, per location.

We have secured Grant Funding through the FEMA Pre-Disaster Mitigation Grant and we anticipate receiving this funding once we have the specifications written for the NW Booster Installation. If the grant remains open, we will apply for the Well 17 installation.

2020 - Added \$50,000 due to local match necessary to receive grant for 2019 and 2020. Potential for in kind services performed by City staff originally was not allowed by grant, but the rules have been relaxed. Well 17 grant included in 2020.

2022 Update - Upgrade CWTP, SWF(need new), Evergreen, Paper Mill Road

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	125,000	125,000	125,000	-	\$ 375,000
CAPITAL RESERVES	45,208	742	44,466	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	1	-	\$ -	-	-	1	-	-	\$ -
GRANTS FEMA Pre-Disaster Mitigation Grant	145,000	-	145,000	\$ -	-	-	T	T	-	\$ -
BOND ISSUES	-	ı	-	\$ -		-	ī	1	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 190,208	\$ 742	\$ 189,466	\$ -	\$ -	\$ 125,000	\$ 125,000	\$ 125,000	\$ -	\$ 375,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	2,000	2,000	2,000	2,000	2,000	\$ 10,000

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: W1602 FUNDING SUMMARY: 2022 2023 2024

NEWARK

PROJECT TITLE: Roseville Park Pressure District

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

 2022
 2023
 2024
 2025
 2026
 Total 5 Year

 ading:
 \$ 25,000
 \$ \$ \$ \$ \$ 25,000

 ance:
 \$ \$ \$ \$ \$

 ading:
 \$ 25,000
 \$ \$ \$ \$ 25,000

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL					
DEPARTMENT:	PWWR				
DIVISION:	Water				
FUND:	Water				
PROJECT LOCATION:	Roseville Park and Delaplane Manor				
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:		2016				
Est. Completion Date:		2022				
Est. Useful Life (in years):		50				
Est. Total Cost:	\$	125,000				
Est. Spend @ 12/31/2021 (if underway):	\$	100,000				
% Complete (if underway):		80.0%				
Balance to be funded¹:	\$	25,000				

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	\$	25,000			
TOTAL PROJECT COST			25,000			

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."

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.

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	-	100,000	\$ -	25,000	-	-	-	-	\$ 25,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	2,500	2,500	2,500	2,500	2,500	\$ 12,500

NEWARK

PROJECT NO: W1503

PROJECT TITLE: Academy Street Interconnection Pump

Station

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year
New Funding:	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022-2026 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	g a calculated risk in the deferral of this item					
COMPREHENSIVE DEVI	ELOPMENT 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 @ 12/31/2021 (if underway):	\$ -					
% Complete (if underway):	0.0%					
Balance to be funded¹:	\$ 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 PRO	\$	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."

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.

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

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. 2023 funding includes design and permitting followed by construction.

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 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	ı	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	ı	-	\$	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$	-	-	300,000	-	-	\$ 300,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ 300,000
§ 806.1(4) ESTIMATED ANNUAL COST OF		OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

PROJECT TITLE:

W1402

Air Stripper Replacement - South Well

Field

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022-2026 Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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

§ 806.1(3) SUMMARY OF PROJECT DATA								
First Year in Program:	2014							
Est. Completion Date:	2021							
Est. Useful Life (in years):	15							
Est. Total Cost:	\$ 4,030,000							
Est. Spend @ 12/31/2021 (if underway):	\$ 4,250,580							
% Complete (if underway):	105.5%							
Balance to be funded :	\$ (220,580)							

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 PRO	\$	-							

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."

REFERENDUM PROJECT

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

We are still on track to complete the design and bidding in 2019 with construction beginning in late 2019/early 2020.

Project is substantially complete in 2021. \$1mm supplemental loan approved and closed in 2021 to cover the total cost of the project and bringing the full SRF Loan amount to \$4mm. \$1mm removed from W9308 SRF loan.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	1	-	-	-	\$ -
CAPITAL RESERVES	(3,221,105)	-	-	\$ (3,221,105)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	1	-	\$ -	-	1	1	-	1	\$ -
STATE REVOLVING LOAN	3,585,188	584,663	-	\$ 3,000,525	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 364,083	\$ 584,663	\$ -	\$ (220,580)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

PROJECT NO: PROJECT TITLE:

W1303

Water System Master Plan

PROJECT STATUS: In Progress (with end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year
New Funding:	\$	- \$	- \$	- \$ -	\$ -	\$ -
*Prior Authorized Balance:	\$	- \$	- \$	- \$ -	\$ -	\$ -
2022-2026 Funding:	\$	- \$	- \$	- \$ -	\$ -	\$ -

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

This project will build off the water distribution system hydraulic computer model developed in 2016. The current solution models the system under a "snap shot" scenario; meaning, the system is analyzed using a specific tank levels and system demand. This project will utilize the newly collected SCADA data to develop a more sophisticated extended period simulation which will model the diurnal demand and pressure fluctuation throughout the system.

The specific simulation will allow the department to more accurately estimate scenarios; such as, predicted fire flow capacity, develop unidirectional flushing plans and prioritize pipe lining and replacement locations.

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2013
Est. Completion Date:	2021
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 50,000
Est. Spend @ 12/31/2021 (if underway) :	\$ 50,000
% Complete (if underway):	100.0%
Balance to be funded¹:	\$ -

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 PRO	\$	-						

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 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	45,740	-	45,740	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	_	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	1	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	1	-	-	-	\$ -
OTHER (SPECIFY)	_	1	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 45,740	\$ -	\$ 45,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF	3	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

PROJECT NO: W0503

PROJECT TITLE: Well Restoration Program

FUNDING SUMMARY: 2022 2023 2025 2026 **Total 5 Year** New Funding: 29,000 29,000 58.000 \$ *Prior Authorized Balance: 58,000 2022-2026 Funding: \$ 29,000 \$ 29,000 \$

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2005
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	5
Est. Total Cost:	\$ 297,258
Est. Spend @ 12/31/2021 (if underway):	\$ 239,258
% Complete (if underway):	80.5%
Balance to be funded¹:	\$ 58,000

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	\$	58,000					
Other Contracts:		\$	-					
TOTAL PRO	DJECT COST	\$	58,000					

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**

*Prior Authorized Balance includes 2021 carryover funding only.

Restore / Redevelop Wells 11, 12, 13, 14, 15, 16, 17, 20, 23, 25 as needed in anticipation of routine maintenance and rehabilitation.

Well 15 - Completed in 2016 Well 11 - Completed in 2017

Approximately \$75,000 in well redevelopment needed prior to turning on SWFWTP. Mark Neimeister is getting the final quote from Shultes as of 6/26/2020. The reserves from prior years will cover this amount with the current 2020 remaining funding can be carried over and reduce the current resources needed in 2021.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	29,000	-	29,000	\$ -	29,000	29,000	-	-	-	\$ 58,000
CAPITAL RESERVES	116,701	74,085	42,616	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	1	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	1	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 145,701	\$ 74,085	\$ 71,616	\$ -	\$ 29,000	\$ 29,000	\$ -	\$ -	\$ -	\$ 58,000
§ 806.1(4) ESTIMATED ANNUAL COST OF		OPE	RATING IMPACT	T:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

W9302 PROJECT NO:

PROJECT TITLE:

Water SCADA System

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2023 2025 2026 **Total 5 Year** New Funding: \$ \$ *Prior Authorized Balance 2022-2026 Funding: \$

PROJECT STATUS: In Progress (with end date)

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 DEV	ELOPMENT PLANNING VISION ELEMENT:						

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	1993
Est. Completion Date:	2021
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 573,431
Est. Spend @ 12/31/2021 (if underway):	\$ 573,431
% Complete (if underway):	100.0%
Balance to be funded¹:	\$ -

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 PRO	DJECT COST	\$	-						

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 FINANCIN				N YEAR					
§ 806.1(3) SOURCE OF FUNDS :	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	1	-	1	-	\$ -
CAPITAL RESERVES	(208,106)	-	-	\$ (208,106)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	550,000	69,360	272,534	\$ 208,106	-	1	-	1	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	1	1	ı	1	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 341,894	\$ 69,360	\$ 272,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	ī:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	1,500	1,500	1,500	1,500	1,500	\$ 7,500

2022

W9308 PROJECT NO:

PROJECT TITLE: **Water Main Replacement Program**

New Funding: *Prior Authorized Balance 2022-2026 Funding: \$

FUNDING SUMMARY:

2,000,000 2.000.000 2.000.000 2.000.000 \$ 2.000.000 \$ 2.000.000

2.000.000 2.000.000 \$ 10.000.000 \$ 2.000,000 \$ 2.000,000 \$ 10,000,000

Total 5 Year

2026

2025

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL	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 DEVI	FLOPMENT PLANNING VISION FLEMENT:								

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	1993
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	75+
Est. Total Cost:	\$ 11,528,936
Est. Spend @ 12/31/2021 (if underway):	\$ 1,528,936
% Complete (if underway):	13.3%
Balance to be funded¹:	\$ 10,000,000

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

PROJE			
CLASSIFICATION		AMOUNT	
Labor:		\$	-
Materials:		\$	-
Other Contracts:	5295206.9760	\$	10,000,000
TOTAL PRO	DJECT COST	\$	10,000,000

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. Due to the Main Street Improvements and Covid-related delays, the East Park work that was contemplated in 2018 and 2019 will be completed in 2022, along with the continuation on the upgraded main in Dallam Road.

We have identified segments to be rehabilitated or replaced over the course of this CIP and intend to evaluate several emerging conditions assessment technologies to help guide the decision process for the segments to address in the out-years.

Total of \$4,000,000 approved by 2018 referendum. \$1,000,000 loan closed in 2019, with work completed in 2020. \$2,000,000 loan closed in 2020 and work scheduled to be awarded in 2021 and 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.

2022 Update: Anticipated ARPA funding is included in 2022, 2023 and 2024 APRA Funding Line, which must be encumbered by 12/2024 and spent by 12/2026. SRF Funding was used for SWF Supplemental, therefore, after 2021 encumberence, no SRF funding will be available for water in 2022 (we will have spent \$3mm) Total ARPA Water funding requested will be \$6mm.

PROJECT FINANCING BY					N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	2,000,000	2,000,000	\$ 4,000,000
CAPITAL RESERVES	(1,005,242)	-	-	\$ (1,005,242)	-	-		-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	=	I	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	2,030,672	4,396	1,021,034	\$ 1,005,242	-	-		-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	2,000,000	2,000,000	2,000,000	-	-	\$ 6,000,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,025,430	\$ 4,396	\$ 1,021,034	\$ -	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 10,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR AS	SET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

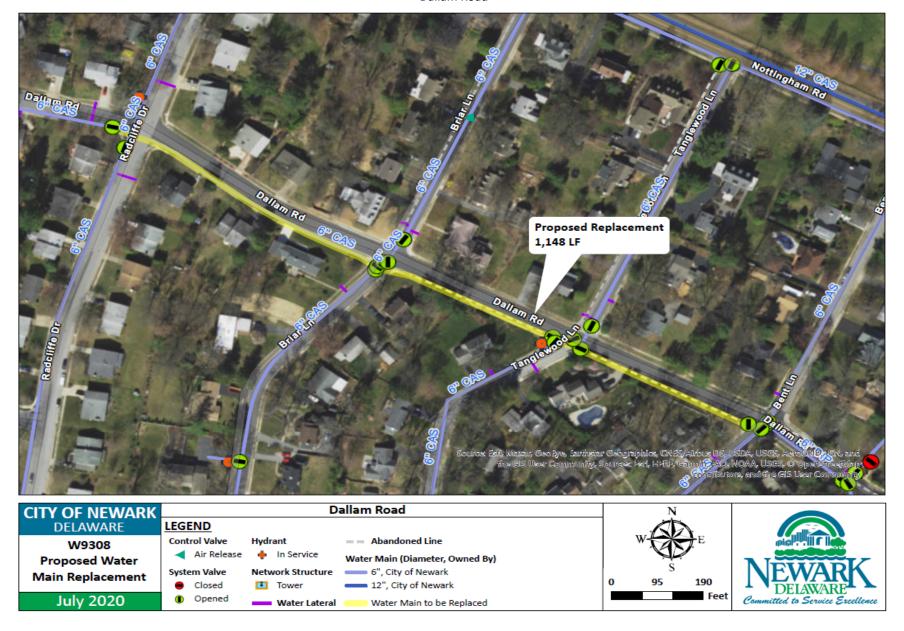
W9308: Water Main Replacement Program Supporting Documentation - Page 1

East Park Place



W9308: Water Main Replacement Program Supporting Documentation - Page 2

Dallam Road



NEWARK

PROJECT NO: W8605

PROJECT TITLE: Water Tank Maintenance

 FUNDING SUMMARY:
 2022
 2023
 2024
 2025
 2026
 Total 5 Year

 New Funding:
 \$ 500,000
 \$ \$ \$ \$ \$ 500,000

 *Prior Authorized Balance:
 \$ \$ \$ \$ \$ \$

 2022-2026 Funding:
 \$ 500,000
 \$ \$ \$ \$ \$ 500,000

PROJECT STATUS: Reoccurring (with no end date)

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 DEV	ELOPMENT 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:	\$ 2,397,969
Est. Spend @ 12/31/2021 (if underway):	\$ 1,897,969
% Complete (if underway):	79.1%
Balance to be funded¹:	\$ 500,000

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

PROJECT COST BY CATEGORY										
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	5295206.9760	\$	500,000							
TOTAL PRO	DJECT COST	\$	500,000							

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

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.

The current painting schedule is:

2020-2024 CIP

2020 - Arbour Park Tank (500,000 gallon ground tank) - Lead present in current coating. \$350,000, last painted in 2003

2021 - Dallam Road Tank (565,000 gallon ground tank) - Lead present in current coating. \$350,000, last painted in 2003

2021 - Nottingham Road (West Main) Tank (220,000 gallon ground tank) -Lead present is current coating. \$350,000, last painted in 2003

2022 - New London Tank (2,000,000 gallon ground tank) - \$500,000, last painted in 1997

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

Note - Due to the presence of lead in the existing coatings and the methods required to remove and dispose of the lead properly, we are exploring the option of removing the entire tank and replacing them. Preliminary cost estimates show similar pricing when all things are considered.

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. Expect Southwell Tank to be funded in late 2019 at \$350,000 with the remaining funds spread over the next 3 years.

Please note that \$350,000 was deauthorized in 2019 to be transferred to Capital Project W1402. In addition, \$11,000 was added in 2019 in order to recognize the capitalized interest payments for debt service for the State Revolving Loan.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	500,000	-	-	-	-	\$ 500,000
CAPITAL RESERVES	(352,031)	-	-	\$ (352,031)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	2,250,000	-	1,897,969	\$ 352,031	-		-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,897,969	\$ -	\$ 1,897,969	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
§ 806.1(4) ESTIMATED ANNUAL COST OF	§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:								2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

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PROJECT NO:

PROJECT TITLE:

WEQSF

Equipment Replacement Program

FUNDING SUMMARY: New Funding:

40,000 - \$ *Prior Authorized Balance: \$

2022

50,000 75,000

35,000 135,000 \$ 335,000

Total 5 Year

2026

PROJECT STATUS: Reoccurring (with no end date)

2022-2026 Funding:

40,000	\$
--------	----

135,000 335,000 75,000 \$ 50,000 35,000

2025

CAPITAL	BUDGET - PROJECT DETAIL						
DEPARTMENT:	PWWR						
DIVISION:	Water						
FUND:	Water						
PROJECT LOCATION:	Various						
PROJECT PRIORITY:	1 - Highest Priority Level						
	lerway 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:	\$	633,924
Est. Spend @ 12/31/2021 (if underway):	\$	298,924
% Complete (if underway):		47.2%
Balance to be funded¹:	\$	335,000

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		AMOUNT								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	5295206.9623	\$	335,000							
TOTAL PRO	JECT COST	\$	335,000							

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 (2022-2026).

				PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FU	NDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		9,989	15,085	-	\$ (5,096)	14,733	27,832	30,459	13,509	73,886	\$ 160,419
CAPITAL RESERVES		90,421	90,421	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEME	NT	193,418	193,418	-	\$ -	25,267	47,168	19,541	21,491	61,114	\$ 174,581
GRANTS	(SPECIFY)	1	-	-	\$ -	-	-	1	-	1	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	1	-	1	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	1	-	1	\$ -
AMERICAN RESCUE PLAN	I ACT	1	-	-	\$ -	-	-	1	-	1	\$ -
OTHER	(SPECIFY)	1	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ 293,828	\$ 298,924	\$ -	\$ (5,096)	\$ 40,000	\$ 75,000	\$ 50,000	\$ 35,000	\$ 135,000	\$ 335,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:						2022	2023	2024	2025	2026	TOTAL
OPERATING / MAI	INTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	_	_	_	_	_	\$ -

CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 WATER AND WASTEWATER UTILITIES

					MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEHICLE		ALT FUEL	PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		REPLA	CEMEN	T COSTS	
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2026
	STAFF VEHICLES														
215	2019 Chevrolet Equinox AWD		06/03/19	22,122	4.826	60,000	10	2029	2029	22,122					
226	2012 Toyota Camry Hybrid	Hvbrid	b. 03/19/12	16,148	11,440	70,000	10	2023		16,148					
220	2012 Toyota Carrily Trybrid	пурпа	0. 03/13/12	10,146	11,440	70,000	10	2022	-	10,148					
	LINE TRUCKS														
202	2020 Ford F550 Service Body		10/18/12	74,095	49,099	50,000	8	2021	2020	74,095					
	DICK LIDE & MANIC														
204	PICK-UPS & VANS 2016 Ford F350 Dump Truck		09/02/16	24.155	9,579	05.000	10	2026	2026	24.155					75 000
	•			34,155	,	85,000			2026 2021	34,155					75,000
206	2014 Ford F150 Pickup Truck		a. 12/31/14	25,011	138,468	120,000	5	2020		25,011	40.000				
211	2009 Ford F250 Pickup Truck, Supercab		06/05/09	25,267	71,849	80,000	10	2019	2022	25,267	40,000				
218	2017 Ford F250 Pickup Truck 4x4		08/30/17	30,512	11,971	100,000	10	2027	2027	30,512					
224	2012 Ford F250 Pickup Truck		10/25/12	37,999	43,137	80,000	10	2022	2023	37,999		50,000			
241	2015 Ford Transit Connect	EV - proposed	12/31/14	21,491	42,139	100,000	10	2025	2025	21,491				35,000	
244	2016 Ford F250 Pickup Truck, Reg. Cab 4x4		07/21/16	26,959	23,043	100,000	10	2026	2026	26,959					60,000
299	2013 Ford F150 Pickup Truck, Ext. Cab		06/28/13	19,541	37,576	100,000	10	2023	2024	19,541			50,00	0	
	OTHER EQUIPMENT														
201	1994 Ingersoll Air Compressor P175 Rand		09/09/94	9,169			15	2009	2023	9,169	-	25,000			
220	2020 Case 590SN Loader Backhoe 4WD		09/16/20	123,321	28		9	2020	2029	123,321					
TOTAL WAT	ER AND WASTE WATER UTILITY							QUISITION C			\$ 40,000	\$ 75,000	\$ 50,00	0 \$ 35,000	\$ 135,000
								OF CAPITAL			-	-			=
	a. This vehicle is scheduled to be replaced in 2021.							OF CURREN			(14,733)	. , ,	(30,45		(73,886)
ļ.	o. This vehicle will not be replaced.						NET EQUIP	MENT SINK	NG FUND T	OTAL	\$ 25,267	\$ 47,168	\$ 19,54	1 \$ 21,491	\$ 61,114

						MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEH	HICLE		ALT FUEL	PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		LEASE	PAYMENT	SCHEDULE	
NUI	MBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2026
2	207	2021 International Hv507 SFA Dump Truck 4x2		08/05/05	95,845	47.280	40.000	8	2021	2020	95.845					

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET						
	FY2021		FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd		Rec'd	vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	223,609		192,654	(30,955)	-13.84%	*Step increases and advancements along with staffing changes. FY22 large decrease is due to one of our 2021 "Maintenance IV" positions is now an "Maintenance I" position in 2022.
Other Wages	 19,600		23,600	4,000	20.41%	*FY22 overall increase is largely due to an additional \$4,000 being allocated to line item 662 (Overtime).
Benefits	89,561		107,006	17,445	19.48%	*FY22 increase is largely due to increases of \$19,125 to line item 6960 (Group Hospitalization), \$1,011 to line item 6962 (Dental Insurance), \$750 to line item 6964 (Health Savings Account) and \$840 to line item 6965 (OPEB). These additions were partially offset by reductions of -\$2,448 to line item 6930 (Social Security Taxes) and -\$1,511 to line item 6941 (Defined Contribution 401(a) Plan). Once again these are related to our staffing changes and personnel transfers.
Personnel Services	\$ 332,770	\$	323,260	(9,510)	-2.86%	*Sum of above listed wages and benefits
Jtility Purchases	\$ 5,000,000	\$	5,200,000	200,000	4.00%	*FY22 increased by \$200,000 based off current year trends and next year projections.
Materials and Supplies	\$ 24,700	\$	27,200	2,500	10.12%	*FY22 increase is due to additions of \$2,000 to line item 7130 (Tools, Field Supplies & Small Equipment) and \$500 to line item 7270 (Station Maintenance).
Contractual Services	\$ 316,478	\$	345,766	29,288	9.25%	*FY22 increase is largely due to City-Wide changes related to our insurance coverage. Insurance lines increased by a total of \$1,744. Additionally, larger additions of \$5,000 to line item 8040 (Merchant Fees and Discounts), \$2,999 to line item 8131 (Information Technology Cont'l) and \$19,545 to line item 8312 (Fleet and Facilities Services) were added in 2022.
Other - Depreciation	\$ 35,882	\$	48,382	12,500	34.84%	*Finance Calculation
Other - Debt Service (Interest)	\$ 85,000	.	100,000	15,000	17.65%	*Finance Calculation
Other Expenditures	\$ 7,049	\$	5,772	(1,277)	-18.12%	*FY22 decrease is largely due to an reduction of -\$1,777 to line item 9010 (Bad Debt Expense). This reduction was partially offset by an additional \$5,000 being added to line item 9070 (Training).
Subtotal:	\$ 5,801,879	\$	6,050,380	\$ 248,501	4.28%	
nter-Dept. Charges	\$ 414,046	\$	491,395	77,349	18.68%	*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:	\$ 6,215,925	\$	6,541,775	\$ 325,850	5.24%	
Full-time Positions	4		4	0		*No change from FY2021 to FY2022.

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

EXECUTIVE SUMMARY (continued)

CAPITAL IMPROVEMENT PI	LAN (CIP)	
Project ID:	Project Description:	Comments
New projects:		
S2201	FOG Program Development	New Project added in 2022-2026 Capital Improvement Program
S2202	Backup Sewer Pump Purchase	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects:		
S1602	Sewer SCADA System	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
S1501	Sewer System Master Plan	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
S0904	Sanitary Sewer Study and Repairs	Perpetual Project
SEQSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

2022 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Summary:

SEWER DIVISION - SUMMARY	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET SAMENDED	2022 BUDGET	DIFFERENCE OM 2021-22	% DIFFERENCE FROM 2021-22
<u>REVENUES</u>								
Sewer Service Charge	\$ 7,018,863	\$ 7,194,805	\$ 7,371,745	\$ 6,690,813	\$ 6,850,000	\$ 7,100,000	\$ 250,000	3.6%
Penalties	22,094	18,250	26,647	11,869	21,500	22,000	500	2.3%
Service Fees	12,970	24,403	16,126	41,744	18,600	18,500	(100)	-0.5%
Other Revenues	49,944	200	696	378	700	400	(300)	-42.9%
Interest Revenue	36,020	35,646	41,788	53,286	33,000	40,000	7,000	21.2%
Subtotal	\$ 7,139,891	\$ 7,273,304	\$ 7,457,002	\$ 6,798,090	\$ 6,923,800	\$ 7,180,900	\$ 257,100	3.7%
Less: County Sewer Charge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%
Gross Operating Revenue	\$ 7,139,891	\$ 7,273,304	\$ 7,457,002	\$ 6,798,090	\$ 6,923,800	\$ 7,180,900	\$ 257,100	3.7%
OPERATING EXPENSES								
Personnel Services	\$ 335,085	\$ 345,956	\$ 370,996	\$ 512,582	\$ 332,770	\$ 323,260	\$ (9,510)	-2.9%
Utility Purchases	4,639,046	4,719,771	5,350,831	4,695,293	5,000,000	5,200,000	200,000	4.0%
Materials & Supplies	20,837	24,638	20,927	23,810	24,700	27,200	2,500	10.1%
Contractual Services	255,430	278,791	278,808	232,159	316,478	345,766	29,288	9.3%
Other Charges	50,889	39,223	42,636	44,455	127,931	154,154	26,223	20.5%
Subtotal	\$ 5,301,287	\$ 5,408,379	\$ 6,064,198	\$ 5,508,299	\$ 5,801,879	\$ 6,050,380	\$ 248,501	4.3%
Inter-Dept. Charges	439,866	329,871	361,261	371,839	414,046	491,395	77,349	18.7%
Total Operating Expenses	\$ 5,741,153	\$ 5,738,250	\$ 6,425,459	\$ 5,880,138	\$ 6,215,925	\$ 6,541,775	\$ 325,850	5.2%
Net Operating Margin (Before Capital Costs)	\$ 1,398,738	\$ 1,535,054	\$ 1,031,543	\$ 917,952	\$ 707,875	\$ 639,125	\$ (68,750)	-9.7%

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

PERSONNEL SE	RVICES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	022 IDGET
5395302	6200	Line Maintenance	\$ 203,280	\$ 201,600	\$ 218,053	\$ 210,293	\$ 223,609	\$ 192,654
5395302	6580	Service Award	1,413	1,412	1,579	-	-	-
5395302	6590	Sick Pay	5,008	1,008	871	-	-	-
5395302	6615	Interns	5,252	5,928	4,973	-	-	
5395302	6620	Overtime	18,635	20,672	23,900	18,049	16,000	20,000
5395302	6880	Uniform Allowance	2,350	2,400	2,400	2,250	2,400	2,400
5395302	6885	Device Reimbursement	-	1,200	1,200	1,125	1,200	1,200
5395302	6920	Unemployment Comp. Ins.	1,876	1,213	1,223	1,016	1,188	1,188
5395302	6930	Social Security Taxes	17,800	17,579	18,845	17,284	18,230	15,782
5395302	6940	City Pension Plan	16,028	27,148	32,681	66,504	3,398	3,560
5395302	6941	Defined Contribution 401(a) Plan	9,313	10,102	11,031	14,596	15,959	14,448
5395302	6950	Term Life Insurance	827	968	1,210	1,487	1,296	955
5395302	6960	Group Hospitalization Ins.	40,901	41,885	41,527	27,669	39,667	58,792
5395302	6961	Long-Term Disability Ins.	313	367	493	610	518	252
5395302	6962	Dental Insurance	2,450	2,331	2,331	1,460	2,012	3,023
5395302	6963	Flexible Spending Account	-	-	65	63	63	63
5395302	6964	Health Savings Account	-	750	750	750	750	1,500
5395302	6965	Post-Employment Benefits	5,620	5,062	3,513	143,927	-	840
5395302	6966	Retirement Health Savings Account	3,869	4,129	4,199	5,406	5,772	5,856
5395302	6967	Emergency Room Reimbursements	-	50	-	-	580	580
5395302	6968	Vision Insurance Premiums	150	152	152	93	128	167
TOTAL PERSONN	EL SERVI	CES	\$ 335,085	\$ 345,956	\$ 370,996	\$ 512,582	\$ 332,770	\$ 323,260

\$1	DIFFERENCE	% DIFFERENC
FRO	OM 2021-22	FROM 2021-2
ċ	(20.055)	12.00
\$	(30,955)	-13.8%
	-	0.0%
	-	0.09
	-	0.09
	4,000	25.0%
	-	0.09
	-	0.09
	-	0.09
	(2,448)	-13.4%
	162	4.89
	(1,511)	-9.5%
	(341)	-26.3%
	19,125	48.29
	(266)	-51.4%
	1,011	50.2%
	-	0.09
	750	100.09
	840	100.09
	84	1.5%
	-	0.09
	39	30.5%
\$	(9,510)	-2.9%

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 SEWER DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	AS	2021 S AMENDED	2022 # OF POSITIONS	A	2022 S PROPOSED	POSITION DIFFERENCE		\$ DIFFERENCE	% CHANGE
FULL TIME POSITIONS Maintenance IV Equipment Operator Maintenance I Total Full-Time Positions	AFSCME LOCAL 1670 F/T AFSCME LOCAL 1670 F/T AFSCME LOCAL 1670 F/T	8 3 1	2.0 1.0 1.0 4.0	\$ \$ \$	121,344 54,138 48,127 223,609	1.0 1.0 2.0	\$ \$ \$	61,873 50,740 80,041 192,654	(1.0) 0.0 1.0 0.0	\$ \$ \$	(59,471) (3,398) 31,914 (30,955)	-49.0% -6.3% 66.3%
OTHER Overtime Uniform Allowance Device Reimbursements Total Other			77.0	\$ \$ \$ \$	16,000 2,400 1,200 19,600	710	\$ \$ \$ \$	20,000 2,400 1,200 23,600	0.0	\$ \$ \$ \$	4,000 - - - 4,000	25.0% 0.0% 0.0% 20.4%
Total All			4.0	\$	243,209	4.0	\$	5,416,254	0.0	\$	5,173,045	2127.0%

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

MATERIALS AND SUPPLIES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL		2020 ACTUAL		1 BUDGET AMENDED	E	2022 BUDGET	
5395303	7110	Safety Shoes and Supplies	\$ 700	\$ 818	\$	659	\$	695	\$ 1,200	\$	1,200
5395303	7130	Tools, Field Sup., & Small Eq.	6,077	7,168		8,967		9,019	6,000		8,000
5395303	7260	Line Maintenance	13,520	16,498		11,634		14,096	16,000		16,000
5395303	7270	Station Maintenance	376	827		141		-	1,500		2,000
5395303	7540	Inventory Adjustment	164	(673)		(474)		-	-		-
TOTAL MATERIA	TOTAL MATERIALS & SUPPLIES		\$ 20,837	\$ 24,638	\$	20,927	\$	23,810	\$ 24,700	\$	27,200

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	-	0.0%
	2,000	33.3%
	-	0.0%
	500	33.3%
	<u>-</u>	0.0%
\$	2,500	10.1%

CONTRACTUAL	ONTRACTUAL SERVICES		ı	2017 ACTUAL		2018 ACTUAL	,	2019 ACTUAL	2020 ACTUAL		2021 BUDGET AS AMENDED		2022 BUDGET	
5395304	8030	Casualty Insurance	\$	1,952	\$	1,956	\$	1,888	\$	2,021	\$	4,382	\$	4,599
5395304	8031	Insurance - Property		1,528		2,473		2,173		2,637		2,682		3,137
5395304	8032	Insurance - Auto		-		-		-		1,673		2,866		3,248
5395304	8033	Insurance - Broker		333		442		455		459		974		714
5395304	8035	Insurance - Worker's Compensation		-		-		7,930		10,305		11,050		12,000
5395304	8040	Merchant Fees and Discounts		75,849		76,384		79,817		70,105		75,000		80,000
5395304	8050	Phone/Communications		1,375		-		-		-		-		-
5395304	8120	Outside Engineering		27,171		18,246		36,115		13,233		40,000		40,000
5395304	8131	Information Technology Cont'l		53,034		36,215		38,161		60,227		59,782		62,781
5395304	8260	Line Maintenance		50,442		34,041		40,430		24,578		60,000		60,000
5395304	8265	Easement Clearing		3,716		3,100		16,050		6,000		10,000		10,000
5395304	8270	Station Maintenance		14,950		8,418		10,452		2,536		15,000		15,000
5395304	8312	Fleet & Facilities Services		25,620		94,711		45,337		38,385		34,742		54,287
5395304	8313	Self-Insurance Services		-		2,261		-		-		-		-
5395304	8550	Misc. Contracted Services		(540)		544		-		-		-		-
TOTAL CONTRAC	TUAL SEI	RVICES	\$	255,430	\$	278,791	\$	278,808	\$	232,159	\$	316,478	\$	345,766

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2021-22	FROM 2021-22
_		= 00/
\$	217	5.0%
	455	17.0%
	382	13.3%
	(260)	-26.7%
	950	8.6%
	5,000	6.7%
	-	0.0%
	-	0.0%
	2,999	5.0%
	-	0.0%
	-	0.0%
	-	0.0%
	19,545	56.3%
	-	0.0%
	<u>-</u>	0.0%
\$	29,288	9.3%
		•

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

OTHER CHARGES	;		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET
5395305	9002	Subvention - Aetna Hook and Ladder	\$ -	\$ -	\$ 3,868	\$ 5,358	\$ 3,500	\$ 3,500
5395305	9010	Bad Debt Expense	225	1,108	335	562	2,549	772
5395305	9060	Depreciation Expense	49,152	36,379	37,423	37,175	35,882	48,382
5395305	9070	Training & Continuing Educ/Conf	1,512	1,736	1,010	595	1,000	1,500
5395505	9162	Debt Service Interest - SRL Funded Capital-S0904	-	-	-	765	85,000	100,000
TOTAL OTHER CHA	ARGES		\$ 50,889	\$ 39,223	\$ 42,636	\$ 44,455	\$ 127,931	\$ 154,154

\$ [DIFFERENCE	% DIFFERENCE
FRC	OM 2021-22	FROM 2021-22
\$	-	0.0%
	(1,777)	-69.7%
	12,500	34.8%
	500	50.0%
	15,000	17.6%
	_	
\$	26,223	20.5%
		-

ITER-DEPT. CHARGES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL				2022 BUDGET
Administrative Overhead	\$	221,346	\$ 119,707	\$ 167,984	\$ 127,464	\$	145,716	\$	207,597
Billings and Accounting		96,055	45,564	55,541	86,534		86,395		101,613
Electricity		10,911	12,227	10,400	11,930		11,230		12,037
Information Technology		83,848	86,381	58,119	67,051		105,561		97,133
Other Indirect Charges		25,670	63,169	67,123	77,213		63,185		71,700
Warehousing		2,036	2,823	2,094	1,647		1,959		1,315
TOTAL INTER-DEPT. CHARGES	\$	439,866	\$ 329,871	\$ 361,261	\$ 371,839	\$	414,046	\$	491,395

\$ [DIFFERENCE	% DIFFERENCE
FRC	OM 2021-22	FROM 2021-22
\$	61,881	42.5%
	15,218	17.6%
	807	7.2%
	(8,428)	-8.0%
	8,515	13.5%
	(644)	-32.9%
\$	77,349	18.7%

OPERATING EXPENSES - SEWER DIVISION	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET
TOTAL OPERATING EXPENSES	\$ 1,102,107	\$ 1,018,479	\$ 1,074,628	\$ 1,184,845	\$ 1,215,925	\$ 1,341,775

FROM 2021-22
10.4%



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

2022-2026 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2022-2026

(with current year amended budget)

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

FUNDING SUMMARY 2022 2023 2024 2025 2026 Total 5 Year **New Funding:** 2,075,000 2,000,000 2,400,000 1,000,000 1,000,000 8,475,000 200,000 200,000 *Prior Authorized Balance: 2022-2026 Funding: 2,275,000 1,000,000 1,000,000 8,675,000 *Prior Authorized Balance includes 2021 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2021 BUDGET AS AMENDED	RE	20 SERVES AND HER FUNDING	 CURRENT FUNDING	2022	2023	2024	2025	2026	TOTAL
S2201	FOG Program Development	С	\$ -	\$	-	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
S2202	Backup Sewer Pump Purchase	D	-		-	75,000	75,000	-	-	-	-	75,000
S1602	Sewer SCADA System	D	-		-	-	-	-	=	-	-	-
S1501	Sewer System Master Plan	Α	-		-	-	-	-	-	-	-	-
S0904	Sanitary Sewer Study and Repairs	В	800,000		1,800,000	-	1,800,000	2,000,000	2,050,000	1,000,000	1,000,000	7,850,000
SEQSF	Equipment Replacement Program	В		_	-	 250,000	 250,000	-	350,000	 -	 	 600,000
·	ver Fund - Sewer Division FINANCING SOURCES		\$ 800,000	\$	1,800,000	\$ 475,000	\$ 2,275,000	\$ 2,000,000	\$ 2,400,000	\$ 1,000,000	\$ 1,000,000	\$ 8,675,000
TEANNED	GROSS CAPITAL IMPROVEMENTS		\$ 800,000	\$	1,800,000	\$ 475,000	\$ 2,275,000	\$ 2,000,000	\$ 2,400,000	\$ 1,000,000	\$ 1,000,000	\$ 8,675,000
	LESS: USE OF RESERVES VEHICLE & EQUIPMENT REPLACEMENT		-		-	-	-	-	- (224.160)	-	-	(224.160)
	GRANTS		-		-	-	-	-	(234,160) (50,000)	-	-	(234,160) (50,000)
	BOND ISSUES		-		_		_	_	(30,000)	_	-	(30,000)
	STATE REVOLVING LOANS		(800,000)		(1,800,000)	_	(1,800,000)	_	_	_	-	(1,800,000)
	AMERICAN RESCUE PLAN ACT		(000,000)		(1,000,000)	_	(1,000,000)	(2,000,000)	(2,000,000)	_	_	(4,000,000)
	OTHER FINANCING SOURCES			_		 	 -	 -	 -	 -	 -	 -
	NET CAPITAL IMPROVEMENTS		\$ -	\$	-	\$ 475,000	\$ 475,000	\$ -	\$ 115,840	\$ 1,000,000	\$ 1,000,000	\$ 2,590,840

^{*} Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

PROJECT NO:

S2201

PROJECT TITLE: FOG Program Development

*Prior Authorized Balance includes 2021 carryover funding only.

NEWARK

PROJECT STATUS: New Project

CAPITAL BUDGET - PROJECT DETAIL						
DEPARTMENT:	PWWR					
DIVISION:	Sewer					
FUND:	Sewer					
PROJECT LOCATION:	City-Wide					
PROJECT PRIORITY:	3 - Medium-High					
The City would be taking	g 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:		2022
Est. Useful Life (in years):		100
Est. Total Cost:	\$ 1.	50,000
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$ 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:		\$	-					
Other Contracts:	5395306.9760	\$	150,000					
TOTAL PRO	\$	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.

§ 806.1(3) SOURCE O	F FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCE	ES	-	-	-	\$ -	150,000	-	-	-	-	\$ 150,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLAC	EMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LO	OAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE	PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
=	ESTIMATED ANNUAL COS			RATING IMPACT		2022	2023	2024	2025	2026	TOTAL
OPERATING /	MAINTAINING PROJECT O	R ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: \$2202 FUNDING SUMMARY: 2022 2023 2024

PROJECT TITLE: Backup Sewer Pump Purchase

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

<u>:</u>	2022	2023	2024		2025	2026	To	otal 5 Year
unding:	\$ 75,000	\$	\$	-	\$ 1	\$ -	\$	75,000
Balance:	\$ -	\$ -	\$	-	\$ -	\$ -	\$	-
unding:	\$ 75,000	\$ •	\$	-	\$ •	\$ •	\$	75,000

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							

PROJECT STATUS: New Project

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:	2022						
Est. Useful Life (in years):	100						
Est. Total Cost:	\$ 75,000						
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ -						
% Complete (if underway):	0.0%						
Balance to be funded¹:	\$ 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:		\$	-						
Other Contracts:	5395306.9760	\$	75,000						
TOTAL PRO	\$	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."

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.

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**:

	PROJECT FINANCING BY F										
§ 806.1(3) SOURCE OF FUN	DS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	75,000	1	-	-	-	\$ 75,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	Τ	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN A	CT	-	-	-	\$ -	-	1	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	1	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERAT		RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)			SAVINGS)	_	-	_	-	-	\$ -		

PROJECT NO:

S1602

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2022 2023 2024 2025 2026 **Total 5 Year** New Funding: \$ \$ *Prior Authorized Balance 2022-2026 Funding: \$

PROJECT TITLE: **Sewer SCADA System**

PROJECT STATUS: In Progress (with end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2016
Est. Completion Date:	2021
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 75,000
Est. Spend @ 12/31/2021 (if underway) :	\$ 75,000
% Complete (if underway):	100.0%
Balance to be funded¹:	\$ -

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 PRO	DJECT COST	\$	-					

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

Development of a SCADA System for the PWWR Department will allow us to more efficiently and effectively manage the utilities. We currently have four water plant operator positions that work three shifts per day, every day of the year. The four operators use a vehicle which has been lasting less than three years before wearing out from excessive mileage and use. With a SCADA System, we will significantly reduce the mileage driven per day due to the need to check all facilities at least once per shift. This will also free up time for the operators to perform routine preventative maintenance tasks that are currently either contracted out or not completed at all.

The radio communications and HMI portions of this project are being handled through the Water SCADA project. Now that they will be in place by 2016 we plan to instrument and bring online one of our three pump station per year for the next three years. This system will allow us to monitor, among other things, pump status, pumping rates, runtimes, flow rates, backup generator fuel levels, generator runtimes, power quality, estimate inflow and infiltration rates during storms, track error codes, and quickly identify problems. Flow rates and characteristics measured at the pump stations will be able to be fed into the sewer capacity model under development to more accurately model pumping effects on system capacity.

Operating budget impact will be a reduction in vehicle fuel cost and wear and tear slightly offset by annual service subscription fees and sensor/equipment maintenance costs. We have conservatively pegged this cost at \$2000 per station per year in year 1, increasing at 3% in the out years.

Funds were deauthorized from Capital Project S0904 in the amount of \$75,000.00 to fund Capital Project S1602 for 2018.

	N YEAR									
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	40,165	1	40,165	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	-	1	-	-	\$ -
GRANTS (SPECIFY)	-	ı	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	-	1	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$ -	-	-	1	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 40,165	\$ -	\$ 40,165	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)			_	-	-	-	-	\$ -		

PROJECT NO:

S1501

PROJECT TITLE: **Sewer System Master Plan**

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2023 2024 2025 2026 **Total 5 Year** 2022 New Funding: \$ \$ *Prior Authorized Balance 2022-2026 Funding: \$

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL DEPARTMENT: **PWWR** DIVISION: Sewer FUND: Sewer PROJECT LOCATION: Various PROJECT PRIORITY: 1 - Highest Priority Level Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2015
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	25+
Est. Total Cost:	\$ 570,000
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ 570,000
% Complete (if underway):	100.0%
Balance to be funded¹:	\$ -

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 PRO	DJECT COST	\$	-					

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**: This project continues the effort begun in 2015 to digitally map and model the sanitary sewer system. In 2015, we applied for and were awarded a grant from the Water Infrastructure Advisory Council (WIAC) to survey the sanitary sewer system and create a GIS database. Additionally, flow monitoring was completed in the Cool Run sewer basin, one of our two major sewer basins. In 2016, we applied for and were awarded an additional grant to perform sewer flow monitoring in the White Clay sewer basin. Combining this with the data collected in 2015, we will create a capacity model of the sanitary sewer system. This model will be used to identify areas of limited capacity for targeted replacement, capacity upgrades, and if necessary, temporary development restrictions.

The City currently does not have a sanitary sewer model and instead relies on developers to analyze and confirm that adequate capacity exists in our system to accommodate their development. The problem with this method is that it applies an oversize burden on small developments since a very similar level of effort is required whether the project is large or small. We would propose eliminating this requirement of the developers and instead charge a capacity certification fee based on of the average daily flow generated by a development. This fee is similar to a fee charged by the regional wastewater treatment plant and would allow us to be equitably reimbursed by developers for the effort necessary to create and maintain an accurate capacity model while at the same time reducing the engineering cost of developing a plan in the City. Annual maintenance costs have been assumed at zero due to the expectation of the program to be self-funded through fees. 2017 funding is for development of the capital recovery fee structure.

	ANCING BY PLA	N YEAR								
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	80,513	49,365	31,148	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	1	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	1	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	1	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 80,513	\$ 49,365	\$ 31,148	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL		
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)			-	-	-	-	-	\$ -		

PROJECT NO: S0904

Sanitary Sewer Study and Repairs

FUNDING SUMMARY: New Funding: *Prior Authorized Balance

1,600,000 2.000.000 200.000 1.800.000 \$ 2.000.000 \$ 2.050.000 2022-2026 Funding: \$

2022

1,000,000 2.050.000 1.000.000 7.650.000 200.000 \$ 1.000.000 \$ 1.000.000 7.850.000

2026

Total 5 Year

2025

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT:	PWWR						
DIVISION:	Sewer						
UND:	Sewer						
PROJECT LOCATION:	Various						
PROJECT PRIORITY:	1 - Highest Priority Level						

Project underway and must be completed

PROJECT TITLE:

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	DAT	Ά
First Year in Program:		2009
Est. Completion Date:		Perpetual
Est. Useful Life (in years):		50+
Est. Total Cost:	\$	9,259,321
Est. Spend @ 12/31/2021 (if underway):	\$	1,409,321
% Complete (if underway):		15.2%
Balance to be funded¹:	\$	7,850,000

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	\$	7,850,000				
TOTAL PRO	DJECT COST	\$	7,850,000				

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."

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

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.

Completed 8 point repairs and nearly 10,000 linear feet of pipe lining (in progress) in 2021.

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.

2022 Update: SRF Funding of \$1.8mm to be used in 2022 per previous budget. \$2mm each for 2023 and 2024 will be funding request from City ARPA funds.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	ı	1	\$ -	-	-	-	1,000,000	1,000,000	\$ 2,000,000
CAPITAL RESERVES	108,211	108,211	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	1	\$ -	-	-	-	-	-	\$ -
GRANTS SRL	=	I	I	\$ -	1	-	50,000	-	-	\$ 50,000
BOND ISSUES	=	I	I	\$ -	1	-	-	-	-	\$ -
STATE REVOLVING LOAN	1,169,780	99,210	870,570	\$ 200,000	1,800,000	-	-	-	-	\$ 1,800,000
AMERICAN RESCUE PLAN ACT	-	-	1	\$ -	1	2,000,000	2,000,000	-	-	\$ 4,000,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,277,991	\$ 207,421	\$ 870,570	\$ 200,000	\$ 1,800,000	\$ 2,000,000	\$ 2,050,000	\$ 1,000,000	\$ 1,000,000	\$ 7,850,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -	

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*Prior Authorized Balance includes 2021 carryover funding only.

PROJECT NO: SEQSF PROJECT TITLE:

Equipment Replacement Program

FUNDING SUMMARY: New Funding: *Prior Authorized Balance

2022 2023 2025 2026 **Total 5 Year** 250.000 350.000 \$ 600.000 \$ 2022-2026 Funding: \$ 250.000 350.000 S 600,000

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL BUDGET - PROJECT DETAIL											
DEPARTMENT:	PWWR										
DIVISION:	Sewer										
FUND:	Sewer										
PROJECT LOCATION:	Various										
PROJECT PRIORITY:	1 - Highest Priority Level										
Project und	lerway 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:	\$ 600,000										
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ -										
% Complete (if underway):	0.0%										
Balance to be funded¹:	\$ 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		AMOUNT										
Labor:		\$	-									
Materials:		\$	-									
Other Contracts:	5395306.9623	\$	600,000									
TOTAL PRO	\$	600,000										

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 (2022-2026).

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 2022. 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. Estimate has been reduced to \$250,000 and moved to 2022 due to the condition of the current vehicle. Need to evaluate this purchase with the addition of available ARPA funds.

			PROJECT FIN	IN YEAR						
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	250,000	-	115,840	1	-	\$ 365,840
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	234,160	-	-	\$ 234,160
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 350,000	\$ -	\$ -	\$ 600,000
§ 806.1(4) ESTIMATED ANNUAL COST (§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:							2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR A	OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)						-	-	-	\$ -

CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 SEWER UTILITY

VEHICLE		ALT FUEL	PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		REPL	ACEMENT	COSTS		
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2	2026
304 305	STAFF VEHICLES 2006 Int'l 4300 Jetter Truck 2017 Western Star 4700SB		11/11/05 10/13/16	146,156 234,160	130,000 16,902	 	10 8	2015 2024	2022 2024	- 234,160	250,000		350,000			
TOTAL SEW	ER UTILITY						GROSS ACC	QUISITION C	OST		\$ 250,000	\$ -	\$ 350,000	\$	- \$	-
	LESS: USE OF CAPITAL RESERVES LESS: USE OF CURRENT RESOURCES								(250,000)	- -	- (115,840)		-	-		
							NET EQUIP	MENT SINKI	NG FUND T	OTAL	\$ -	\$ -	\$ 234,160	\$	- \$	-

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STORMWATER DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

EXECUTIVE SUMMARY

	FY2021	FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	364,685	371,829	7,144	1.96%	*Step increases and advancements
Part-time Wages	 20,500	 49,954	29,454	143.68%	*FY22 increase is largely due to the addition of the Maintenance P/T Street Sweeper in the amount of \$28,954. Additionally, there is an increase of \$500 is related (1) Intern for 2022. These are being budgeted at \$7,000 per intern in 2022.
Other Wages	 27,923	31,989	4,066	14.56%	*FY22 increase is due to additions of \$751 to line item 6580 (Service Award), \$2,015 to line item 6590 (Sick Pay), \$1,000 to line item 6620 (Overtime) and \$300 to line item 6885 (Device Reimbursements).
Benefits	229,960	242,603	12,643	5.50%	*FY22 increase is largely due to increases of \$3,556 to line item 6930 (Social Security Taxes), \$3,793 to line item 6940 (City Pension) and \$7,918 to line item 6960 (Group Hospitalization) These additions were partially offset by a reduction of -\$2,639 to line item 6965 (OPEB).
Personnel Services	\$ 643,068	\$ 696,375	53,307	8.29%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 25,300	\$ 27,500	2,200	8.70%	*FY22 increase is due to additions of \$200 to line item 7130 (Tools, Field Supplies & Small Equipment) and \$2,000 to line item 7400 (Storm Sewer Maintenance).
Contractual Services	\$ 249,489	\$ 319,709	70,220	28.15%	*FY22 increase is largely due to City-Wide changes related to our insurance coverage. Insurance lines increased by a total of \$7,296. Additionally, larger additions of \$11,000 to lii item 8040 (Merchant Fees and Discounts), \$33,333 to line item 8120 (Outside Engineering), \$2,323 to line item 8131 (Information Technology Cont'l), \$16,668 to line item 8312 (Fleet and Facilities Services) and \$2,000 to line item 8401 (Stormwater Contractual) were added 2022.
Other - Depreciation	\$ 53,593	\$ 56,535	2,942	5.49%	*Finance Calculation
Other - Debt Service (Interest)	\$ 200,000	\$ 470,000	270,000	135.00%	*Finance Calculation
Other Expenditures	\$ 53,000	\$ 53,400	400	0.75%	*FY22 increase is due to an addition of \$400 to line item 9070 (Training)
Subtotal:	\$ 1,224,450	\$ 1,623,519	\$ 399,069	32.59%	
nter-Dept. Charges	\$ 277,878	\$ 374,255	96,377	34.68%	*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:	\$ 1,502,328	\$ 1,997,774	\$ 495,446	32.98%	
Full-time Positions	6	6	0		*No change from FY2021 to FY2022.

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

EXECUTIVE SUMMARY (continued)

CAPITAL IMPROVEMENT PLA	AN (CIP)	
Project ID:	Project Description:	Comments
New projects:		
Q2201	Outfall and City Owned SWM Facility Repair	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects:		
Q1802	Rodney Regional Stormwater Park	Approved carryover funding from 2021. Project scheduled to be completed by EOY 2021.
Q1301	Storm Drainage Improvements	Perpetual Project
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	Perpetual Project
QEQSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STORMWATER DIVISION

2022 OPERATING EXPENDITURES

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

Summary:

STORMWATER DIVISION - SUMMARY	2017 ACTUAL		2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET		\$ DIFFERENCE FROM 2021-22		% DIFFERENCE FROM 2021-22
REVENUES											
Stormwater Service Fees	\$ -	\$	2,017,166	\$ 2,355,806	\$ 2,395,636	\$ 2,350,000	\$	2,585,000	\$	235,000	10.0%
Stormwater Penalties	-		10,550	27,792	7,047	23,000		15,000		(8,000)	-34.8%
Stormwater As-Built Review	750		-	1,000	825	-		-		-	0.0%
Sediment & SWM Review Fee	6,965		9,310	21,701	13,919	11,600		13,000		1,400	12.1%
Sediment & SWM Inspection	1,250		11,750	11,000	22,647	13,700		8,000		(5,700)	-41.6%
SWM Facility Annual Inspection	19,100		22,570	20,400	60,870	21,000		21,000		-	0.0%
Interest	-		9,365	5,712	6,823	2,500		5,000		2,500	100.0%
Stormwater Management Fees	-		-	-	200	900		-		(900)	-100.0%
Misc Revenue	-		400	295	180	200		-		(200)	-100.0%
Gross Operating Revenue	\$ 28,065	\$	2,081,111	\$ 2,443,706	\$ 2,508,147	\$ 2,422,900	\$	2,647,000	\$	224,100	9.2%
OPERATING EXPENSES											
Personnel Services	\$ 507,546	\$	847,273	\$ 656,463	\$ 1,117,949	\$ 643,068	\$	696,375	\$	53,307	8.3%
Materials and Supplies	16,016		16,779	19,698	10,415	25,300		27,500		2,200	8.7%
Contractual Services	242,796		171,126	161,440	162,074	249,489		319,709		70,220	28.1%
Other Charges	679		27,714	40,547	75,033	306,593		579,935		273,342	89.2%
Subtotal	\$ 767,037	\$	1,062,892	\$ 878,148	\$ 1,365,471	\$ 1,224,450	\$	1,623,519	\$	399,069	32.6%
Inter-Dept. Charges	24,644		398,267	273,837	226,116	277,878		374,255		96,377	34.7%
Total Operating Expenses	\$ 791,681	\$	1,461,159	\$ 1,151,985	\$ 1,591,587	\$ 1,502,328	\$	1,997,774	\$	495,446	33.0%
Net Operating Margin (Before Capital Costs)	\$ (763,616)	\$	619,952	\$ 1,291,721	\$ 916,560	\$ 920,572	\$	649,226	\$	(271,346)	-29.5%

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

Expenditures:

PERSONNEL SER	NNEL SERVICES			2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET		
5595502	6030	Engineering/Technical	\$	68,934	\$ 77,233	\$ 80,260	\$ 87,007	\$ 122,214	\$	124,712	
5595502	6200	Line Maintenance		42,800	52,767	54,642	57,031	56,147		57,017	
5595502	6230	Maintenance Workers		186,490	153,629	183,157	193,821	186,324		219,054	
5595502	6580	Service Award		8,761	11,183	10,356	10,653	12,260		13,011	
5595502	6590	Sick Pay		2,374	1,363	1,508	1,832	2,703		4,718	
5595502	6610	Seasonal Workers		-	8,332	-	-	14,000		14,000	
5595502	6615	Interns		-	-	4,846	-	6,500		7,000	
5595502	6620	Overtime		8,373	9,105	18,466	7,289	9,000		10,000	
5595502	6623	Weekend Premium		1,108	-	-	-	-		-	
5595502	6880	Uniform Allowance		2,365	2,340	2,590	2,640	2,760		2,760	
5595502	6885	Device Reimbursement		-	1,250	1,375	1,200	1,200		1,500	
5595502	6920	Unemployment Comp. Ins.		1,920	1,593	1,693	1,673	1,634		1,931	
5595502	6930	Social Security Taxes		24,055	23,446	26,702	27,046	30,470		34,026	
5595502	6940	City Pension Plan		53,409	169,979	171,198	561,816	65,017		68,810	
5595502	6941	Defined Contribution 401(a) Plan		2,544	164	2,221	3,888	3,956		4,079	
5595502	6950	Term Life Insurance		1,344	1,310	1,658	1,787	2,045		1,781	
5595502	6960	Group Hospitalization Ins.		77,050	81,788	76,631	82,420	93,615		101,533	
5595502	6961	Long-Term Disability Ins.		512	500	670	735	842		483	
5595502	6962	Dental Insurance		4,288	4,490	3,991	4,073	4,569		4,741	
5595502	6965	Post-Employment Benefits		19,006	245,732	12,610	70,516	25,309		22,670	
5595502	6966	Retirement Health Savings Account		1,307	85	863	1,476	1,443		1,464	
5595502	6967	Emergency Room Reimbursements		754	800	800	800	798		798	
5595502	6968	Vision Insurance Premiums		152	184	226	246	262		287	
TOTAL PERSONN	EL SERVI	CES	\$	507,546	\$ 847,273	\$ 656,463	\$ 1,117,949	\$ 643,068	\$	696,375	

	25	9.5%
		0.0%
	21	1.5%
	(2,639)	-10.4%
	172	3.8%
	(359)	-42.6%
	7,918	8.5%
	(264)	-12.9%
	123	3.1%
	3,793	5.8%
	3,556	11.7%
	297	18.2%
	300	25.0%
		0.0%
	1,000	0.0%
	500 1,000	11.1%
	-	0.0% 7.7%
	2,015	74.5%
	751	6.1%
	32,730	17.6%
		1.5%
\$	2,498	2.0%
FRO	M 2021-22	FROM 2021-22
FRO	2,498 870	

Page Number 83

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 STORMWATER DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	AS	2021 S AMENDED	2022 # OF POSITIONS	AS	2022 PROPOSED	POSITION DIFFERENCE	D	\$ IFFERENCE	% CHANGE
FULL TIME POSITIONS												
Environmental Program Coordinator	CWA F/T	18	1.0	Ś	85,707	1.0	Ś	87,408	0.0	Ś	1,701	2.0%
Engineering Technician *	CWA F/T	14	1.0	Ś	36,507	1.0	Ś	37,304	0.0	Ś	797	2.2%
Maintenance IV	AFSCME LOCAL 1670 F/T	8	2.0	\$	127,714	2.0	\$	129,676	0.0	\$	1,962	1.5%
Street Sweeper Operator	AFSCME LOCAL 1670 F/T	7	1.0	\$	58,610	1.0	\$	60,424	0.0	\$	1,814	3.1%
Equipment Operator	AFSCME LOCAL 1670 F/T	1	1.0	\$	56,147	1.0	\$	57,017	0.0	\$	870	1.5%
Total Full-Time Positions			6.0	\$	364,685	6.0	\$	371,829	0.0	\$	7,144	2.0%
PART-TIME FUNDING Maintenance P/T Sidewalk Sweeper Seasonal Intern Total Part-Time Funding OTHER Service Award	AFSCME LOCAL 1670 P/T			\$ \$ \$	14,000 6,500 20,500		\$ \$ \$	28,954 14,000 7,000 49,954		\$ \$ \$	28,954 - 500 29,454	100.0% 0.0% 7.7% 143.7%
Sick Pay				\$ ¢	12,260		\$ ¢	13,011		\$ ¢	751	6.1%
Overtime				¢	2,703 9,000		۶ ċ	4,718 10,000		۶ د	2,015 1,000	74.5% 11.1%
- Uniform Allowance				ڊ ذ	2,760		ې د	2,760		ې د	1,000	0.0%
Device Reimbursements				ς ς	1,200		ς ς	1,500		ς ς	300	25.0%
Total Other				Ś	27,923		Ś	31,989		Ś	4,066	14.6%
				•	,			7,555			,	
Total All			6.0	\$	413,108	6.0	\$	453,772	0.0	\$	40,664	9.8%

^{*} Please note that the Engineering Technician position will be partially funded through both the Water and Stormwater Fund evenly.

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

Expenditures:

MATERIALS AN	MATERIALS AND SUPPLIES			2017		2018 ACTUAL		2019		2020	202	1 BUDGET	2022
IVIATERIALS AN				ACTUAL				ACTUAL		ACTUAL	AS	AMENDED	BUDGET
5595503	7110	Safety Shoes and Supplies	\$	1,473	\$	1,510	\$	921	\$	1,068	\$	1,500	\$ 1,500
5595503	7130	Tools,Field Sup.,Small Equip.		623		1,683		1,381		1,174		1,800	2,000
5595503	7400	Storm Sewer Maintenance		10,483		10,847		16,054		7,871		16,000	18,000
5595503	7401	Stormwater Program Supplies		3,437		2,739		1,342		302		6,000	6,000
TOTAL MATERIA	TOTAL MATERIALS & SUPPLIES			16,016	\$	\$ 16,779		19,698	\$ 10,415		\$ 25,300		\$ 27,500

1	ć D	IFFERENCE	0/ DIFFERENCE
	\$ D	IFFERENCE	% DIFFERENCE
	FRO	M 2021-22	FROM 2021-22
	\$	-	0.0%
		200	11.1%
		2,000	12.5%
		-	0.0%
	\$	2,200	8.7%
			· · · · · · · · · · · · · · · · · · ·

CONTRACTUAL	TRACTUAL SERVICES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET		
5595504	8020	Advertising	\$ -	\$ -	\$ -	\$ 759	\$ -	\$	1,000	
5595504	8030	Casualty Insurance	-	-	-	1,551	6,572		9,198	
5595504	8031	Insurance - Property	-	-	-	-	-		3,097	
5595504	8032	Insurance - Auto	-	-	-	4,182	7,166		8,121	
5595504	8033	Insurance - Broker	-	-	-	-	1,461		1,429	
5595504	8035	Insurance - Worker's Compensation	-	-	11,420	15,061	16,150		16,800	
5595504	8040	Merchant Fees and Discounts	-	13,237	23,776	22,072	15,000		26,000	
5595504	8050	Phone/Communications	900	-	-	-	-		-	
5595504	8120	Outside Engineering	164,162	16,667	16,666	-	66,667		100,000	
5595504	8130	Bldg. & Equip. Rental	-	-	2,055	2,565	5,000		5,000	
5595504	8131	Information Technology Cont'l	-	17,215	19,001	25,018	20,869		23,192	
5595504	8312	Fleet & Facilities Services	62,837	106,111	81,633	62,130	74,204		90,872	
5595504	8313	Self-Insurance Services	-	75	255	75	-		-	
5595504	8401	Stormwater Contractual	14,897	10,362	6,634	28,661	33,000		35,000	
5595504	8550	Misc. Contracted Svc.	 -	 7,459	 	 	 3,400		-	
TOTAL CONTRACT	TUAL SEI	RVICES	\$ 242,796	\$ 171,126	\$ 161,440	\$ 162,074	\$ 249,489	\$	319,709	

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	1,000	100.0%
	2,626	40.0%
	3,097	100.0%
	955	13.3%
	(32)	-2.2%
	650	4.0%
	11,000	73.3%
	-	0.0%
	33,333	50.0%
	-	0.0%
	2,323	11.1%
	16,668	22.5%
	-	0.0%
	2,000	6.1%
	(3,400)	-100.0%
\$	70,220	28.1%

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

Expenditures:

OTHER CHARGES		2017 ACTUAL			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL		21 BUDGET AMENDED	2022 BUDGET		
			ACI	UAL		ACTUAL	ACTUAL	ACTUAL	A3	AIVIENDED		DODGET
5595505	9060	Depreciation Expense	\$	-	\$	17,016	\$ 34,875	\$ 50,593	\$	53,593	\$	56,535
5595505	9070	Training & Continuing Educ/Conf		679		2,804	1,452	1,749		1,400		1,800
5595505	9084	Annual Regulatory Fees		-		-	200	200		1,600		1,600
5595505	9095	Stormwater Grant Program		-		7,894	4,020	9,020		50,000		50,000
5595505	9164	Debt Service Interest - SRL Funded Capital-Q180		-		-	-	13,471		200,000		470,000
TOTAL OTHER CHA	ARGES		\$	679	\$	27,714	\$ 40,547	\$ 75,033	\$	306,593	\$	579,935

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2021-22	FROM 2021-22
\$	2,942	5.5%
	400	28.6%
	-	0.0%
	-	0.0%
	270,000	135.0%
	_	
\$	273,342	89.2%

INTER-DEPT. CHARGES	2017 ACTUAL			2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET
Administrative Overhead	\$	-	\$	229,706	\$ 115,891	\$ 70,980	\$ 89,257	\$ 183,841
Billings and Accounting		-		35,922	54,484	39,969	44,617	45,993
Electric Used		711		727	-	830	830	837
Information Technology		-		86,381	58,119	67,051	105,561	97,133
Other Indirect Charges		23,907		45,507	45,321	47,271	37,588	45,057
Printing and Reproduction		26		24	22	15	25	25
Warehousing		-		-	-	-	-	1,369
TOTAL INTER-DEPT. CHARGES	\$	24,644	\$	398,267	\$ 273,837	\$ 226,116	\$ 277,878	\$ 374,255

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	94,584	106.0%
	1,376	3.1%
	7	0.8%
	(8,428)	-8.0%
	7,469	19.9%
	-	0.0%
	1,369	100.0%
\$	96,377	34.7%

OPERATING EXPENSES - STORMWATER DIVISION	I	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET
TOTAL OPERATING EXPENSES	\$	791,681	\$ 1,461,159	\$ 1,151,985	\$ 1,591,587	\$ 1,502,328	\$ 1,997,774

33.0%



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STORMWATER DIVISION

2022-2026 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2022-2026

(with current year amended budget)

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

*Prior Authorized Balance:

New Funding:

2022

925,000

575,000

FUNDING

2024

1,285,000

810,000 \$

681,007

2023

945,000

618,755

SUMMARY

725,000

2026

650,000

650,000

\$ 3,334,762

Total 5 Year

\$ 4,530,000

2025

						20:	22-2026 Funding:	925,000 r Authorized Ba	\$ lance i	945,000 ncludes 2021 ca	\$ rryove	1,285,000 er funding only.	\$ 725,000	\$ 650,000	\$ 4,530,000
PROJECT NUMBER	PROJECT NAME	*	2021 BUDGET AS AMENDED	RESI	20 ERVES AND ER FUNDING	(Current Funding	2022		2023		2024	2025	2026	TOTAL
Q2201	Outfall and City Owned SWM Facility Repair	D	\$ -	\$	300,000	\$	-	\$ 300,000	\$	300,000	\$	400,000	\$ -	\$ -	\$ 1,000,000
Q1802	Rodney Regional Stormwater Park	Α	1,407,000		-		-	-		-		-	-	-	-
Q1301	Storm Drainage Improvements	В	609,476		50,000		500,000	550,000		525,000		550,000	550,000	550,000	2,725,000
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	В	171,628		-		75,000	75,000		75,000		85,000	100,000	100,000	435,000
QEQSF	Equipment Replacement Program	В	33,000		-			 -		45,000		250,000	 75,000	 -	 370,000
: 	ormwater Fund - Stormwater Division		\$ 2,221,104	\$	350,000	\$	575,000	\$ 925,000	\$	945,000	\$	1,285,000	\$ 725,000	\$ 650,000	\$ 4,530,000
PLANNED	FINANCING SOURCES														
ı	GROSS CAPITAL IMPROVEMENTS		\$ 2,221,104	\$	350,000	\$	575,000	\$ 925,000	\$	945,000	\$	1,285,000	\$ 725,000	\$ 650,000	\$ 4,530,000
	LESS: USE OF RESERVES		(731,104)		-		-	-		-		-	-	-	-
	VEHICLE & EQUIPMENT REPLACEMENT		(13,489)		-		-	-		(26,245)		(75,000)	(43,993)	-	(145,238)
	GRANTS		-		(50,000)		-	(50,000)		-		-	-	-	(50,000)
	BOND ISSUES		-		-		-	-		-		-	-	-	-
	STATE REVOLVING LOANS		(1,407,000)		-		-	-		=		=	-	-	-
	AMERICAN RESCUE PLAN ACT		-		(300,000)		-	(300,000)		(300,000)		(400,000)	-	-	(1,000,000)
	OTHER FINANCING SOURCES				-		<u> </u>	 					 	 	 -

575,000

69,511

NET CAPITAL IMPROVEMENTS

^{*} Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

*Prior Authorized Balance includes 2021 carryover funding only. PROJECT NO: Q2201 FUNDING SUMMARY: 2022 2023 2024

NEWARK

PROJECT TITLE: Outfall and City Owned SWM Facility

Repair

PROJECT STATUS: New Project

NDING SUMMARY:	2022	2023	2024	2025	2026	1	Total 5 Year
New Funding:	\$ 300,000	\$ 300,000	\$ 400,000	\$ -	\$ -	\$	1,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ 1	\$ -	\$	-
2022-2026 Funding:	\$ 300,000	\$ 300,000	\$ 400,000	\$ -	\$ -	\$	1,000,000

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

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2022					
Est. Completion Date:	Perpetual					
Est. Useful Life (in years):	100					
Est. Total Cost:	\$ 1,000,000					
Est. Spend @ 12/31/2021 (if underway):	\$ -					
% Complete (if underway):	0.0%					
Balance to be funded¹:	\$ 1,000,000					

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

PROJECT COST BY CATEGORY							
CLASSIFICATION		AMOUNT					
Labor:		\$	-				
Materials:		\$	-				
Other Contracts:	5595506.9720	\$	1,000,000				
TOTAL PRO	\$	1,000,000					

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

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.

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**

	PROJECT FINANCING BY PLAN YEAR									
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	1	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	300,000	300,000	400,000	-	1	\$ 1,000,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000	\$ 400,000	\$ -	\$ -	\$ 1,000,000
§ 806.1(4) ESTIMATED ANNUAL COST	OF	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR	ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

PROJECT NO: PROJECT TITLE:

Q1802

Rodney Regional Stormwater Park

*Prior Authorized Balance includes 2021 carryover funding only.

Total 5 Year

 FUNDING SUMMARY:
 2022
 2023
 2024
 2025
 2026

 New Funding:
 \$ - \$ - \$ - \$ - \$
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NEWARK

PROJECT STATUS: In Progress (with end date)

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

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2018					
Est. Completion Date:	2021					
Est. Useful Life (in years):	100					
Est. Total Cost:	\$ 7,975,065					
Est. Spend @ 12/31/2021 (if underway):	\$ 7,975,065					
% Complete (if underway):	100.0%					
Balance to be funded¹:	\$ -					

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 PRO	\$	-					

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

Charter § 806.1(2) **DESCRIPTION & JUSTIFICATION**REFERENDUM PROJECT

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

\$163,500 was added in 2019 in order to recognize the capitalized interest payments for debt service for the State Revolving Loan.

2022 Update - Interest Payments on loan draws is now captured in the OPEX Debt Service Line. Project will be complete by end of 2021, other than punch list and backordered items.

	PROJECT FINANCING BY PLAN YEAR									
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	ı	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(321,679)	-	-	\$ (321,679)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	5,760,597	3,255,019	2,183,899	\$ 321,679	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	-	1	-	-	-	\$ -
OTHER (SPECIFY)	-	ı	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 5,438,918	\$ 3,255,019	\$ 2,183,899	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPE	RATING IMPACT	T:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only.

NEWARK

PROJECT NO: Q1301

PROJECT TITLE: Storm Drainage Improvements

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2022	2023	2024	2024 2025 2026		2026		Total 5 Year	
New Funding:	\$ 550,000	\$ 525,000	\$ 550,000	\$	550,000	\$	550,000	\$	2,725,000
*Prior Authorized Balance:	\$ 1	\$ -	\$ -	\$	1	\$	-	\$	-
2022-2026 Funding:	\$ 550,000	\$ 525,000	\$ 550,000	\$	550,000	\$	550,000	\$	2,725,000

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:	\$ 3,746,094						
Est. Spend @ 12/31/2021 (if underway):	\$ 1,021,094						
% Complete (if underway):	27.3%						
Balance to be funded¹:	\$ 2,725,000						

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		AMOUNT					
Labor:		\$	-				
Materials:	5595506.9720	\$	2,725,000				
Other Contracts:		\$	-				
TOTAL PRO	\$	2,725,000					

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**:

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 over the next 10 years. The memorandum from JMT identifies approximately \$3.5mm in lining and replacement of CMP over the next 10 years. PWWR recommends the CIP reflect approximately \$350,000 per year over the next 10 years to address the problem pipe. JMT has prepared a 14 year plan for the repairs and annual repair locations have been presented as part of any Contract Recommendation brought to Council in annual budget presentations each year. Exhibits are attached for the anticipated work in 2019. Emergent and newly identified problems may arise over the term of this project and will be paid for under this project. Examples of this type of emergent work are the Jenney's Run Culvert Removal in 2016 and the Creek Bend Court Outfall Failure in 2014. In 2018 we replaced the outfall of a culvert crossing on Wyoming Road which had recently failed. The City has ownership of numerous parks throughout the city, some of which are simply maintained as open area and are very underutilized. Several of those parks are around or near critical drainageways and the opportunity exists to design detention basins or water quality facilities at those locations. The Parks and Recreation Department could realize savings by removing the maintenance responsibilities and the Public Works and Water Resources Department could utilize these areas to mitigate flooding and water quality issues throughout the City. The areas were identified for a number of reasons, including, but not limited to, location within a watershed, level of probable benefit, ease of construction, reduction in maintenance burden on Parks staff and aesthetic benefit of plantings. Pa

The following parks have been identified for further review and study:

- 1. Park off of Short Lane
- 2. Lewis Park
- 3. Handloff Park (NE Corner)
- 4. Kells Park
- 5. Devon Park

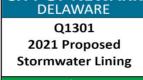
*Please note, capitalized personnel figures were included with the 2020 figure.

2022 Update - Several projects currently underway, however, funding may remain to be carried into 2022 and may reduce the funding needed from current resources.

PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF I	FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	500,000	525,000	550,000	550,000	550,000	\$ 2,675,000
CAPITAL RESERVES		1,021,094	159,562	861,532	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEN	ΛΕΝΤ	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	SRF Planning	-	-	-	\$ -	50,000	-	-	-	-	\$ 50,000
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOA	N.	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLA	AN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ 1,021,094	\$ 159,562	\$ 861,532	\$ -	\$ 550,000	\$ 525,000	\$ 550,000	\$ 550,000	\$ 550,000	\$ 2,725,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERAT			RATING IMPACT	Γ:	2022	2023	2024	2025	2026	TOTAL	
OPERATING / M	OPERATING / MAINTAINING PROJECT OR ASSET			AL COSTS (NET S	SAVINGS)	_	_	-	_	-	\$ -

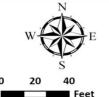
Q1301: Storm Drainage Improvements Supporting Documentation - Page 1





September 2020

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





PROJECT NO: Q0101

PROJECT TITLE: Stormwater Quality Improvements

(NPDES Phase II Permit)

PROJECT STATUS: Reoccurring (with no end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:		2022	2023	2024	2025	2026	Т	otal 5 Year
New Funding:	\$	75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$ 100,000	\$	435,000
*Prior Authorized Balance:	\$	1	\$ -	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$	75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$ 100,000	\$	435,000

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 DEVI	LOPMENT PLANNING VISION ELEMENT:						

ELOPMENT 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:	\$ 601,628										
Est. Spend @ 12/31/2021 (if underway):	\$ 166,628										
% Complete (if underway):	27.7%										
Balance to be funded¹:	\$ 435,000										

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	AMOUN								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	5595506.9720	\$	435,000							
TOTAL PRO	\$	435,000								

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**

Per the 1999 NPDES Phase II Stormwater Quality Regulations, the City of Newark is required to meet approved standards to improve stormwater quality. According to our original plan submittal, we had planned the following: Install in-line storm sewer quality controls at McKees Park, Rahway Park, Handloff Park, and Yorkshire Woods I.

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, which are better suited to retrofits than the original list above.

We chose not to complete a 2015 project due to uncertainty associated with impending changes to our permit of which we have been provided a pre-publication draft. We have commented on the pre-publication draft and anticipate the Final Permit in 2019. In 2018, we are in process of purchasing an aeration system for an exiting pond that will increase the water quality leaving the site. We are planning on \$40,000 annually to help with permit compliance.

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.

Increased funding \$10,000 per year to \$50,000 due to rising design and construction costs. In order to realize benefits, we need to tackle larger facilities which we can gain economies of scale. Changed the name slightly to better reflect intent.

2021 Update: Plans and specifications for Abbottsford are complete, but construction likely to be completed in 2021. Planning money for 2022 is included in the 2021 budget, resulting in a reduced budget.

*Please note, \$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.

	PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP	
CURRENT RESOURCES	25,000	-	25,000	\$ -	75,000	75,000	85,000	100,000	100,000	\$ 435,000	
CAPITAL RESERVES	141,628	-	141,628	\$ -	-	-	-	-	-	\$ -	
EQUIPMENT REPLACEMENT	-	I	-	\$ -	-	1	T	T	-	\$ -	
GRANTS Community Environment Project Fund	-	-	-	\$ -	-	-	-	-	-	\$ -	
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -	
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -	
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -	
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -	
TOTAL:	\$ 166,628	\$ -	\$ 166,628	\$ -	\$ 75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$ 100,000	\$ 435,000	
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:						2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	2,000	3,000	4,000	5,000	5,000	\$ 19,000	

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*Prior Authorized Balance includes 2021 carryover funding only.

NEWARK

PROJECT NO: QEQSF
PROJECT TITLE: Equipme

Equipment Replacement Program

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL BUDGET - PROJECT DETAIL								
DEPARTMENT:	PWWR							
DIVISION:								
FUND: Stormwater								
PROJECT LOCATION:	Various							
PROJECT PRIORITY:	1 - Highest Priority Level							
Project und	derway 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:	\$	403,000
Est. Spend @ 12/31/2021 (if underway):	\$	33,000
% Complete (if underway):		8.2%
Balance to be funded¹:	\$	370,000

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		AMOUNT								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	5595506.9623	\$	370,000							
TOTAL PROJECT COST \$ 370,000										

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 (2022-2026).

			ANCING BY PLA	N YEAR						
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	19,511	-	19,511	\$ -	-	18,755	175,000	31,007	-	\$ 224,762
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	13,489	-	13,489	\$ -	-	26,245	75,000	43,993	-	\$ 145,238
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 33,000	\$ -	\$ 33,000	\$ -	\$ -	\$ 45,000	\$ 250,000	\$ 75,000	\$ -	\$ 370,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:					2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)				SAVINGS)	-	_	-	-	-	\$ -

CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 STORMWATER UTILITY

VEHICLE		ALT FUEL	PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		REPL	ACEMENT	COST	s	
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	202	5	2026
	STAFF VEHICLES															
1504	2012 Ford F250 Pickup Truck 4x4		09/21/12	26,245	58,017	110,000	10	2022	2023	26,245		45,000				
1512	2021 Nissan Leaf S Plus	EV	04/03/09	13,489	59,262	10,000	8	2021	2029	13,489						
1530	2007 Int'l 4200 - SC7000 Sweeper		10/18/16	75,000	14,806	60,000	8	2024	2024	75,000			250,000			
1531	2017 Tennant ATLV 4300 Litter Vacuum	Alt Fuel - Proposed	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	2,949		8	2019	2027	305,991						
TOTAL STOR	MWATER UTILITY						GROSS ACC	UISITION C	OST		\$ -	\$ 45,000	\$ 250,000	\$ 75	,000 \$	-
							LESS: USE	OF CAPITAL	. RESERVES		-	-	-		-	-
			LESS: USE OF GRANT FUNDING					-	-	-		-	-			
			LESS: USE OF CURRENT RESOURCES						-	(18,755	(175,000)	(31	.007)	-		
				NET EQUIPMENT SINKING FUND TOTAL					\$ -	\$ 26,245	\$ 75,000	\$ 43	,993 \$	-		

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT REFUSE DIVISION

2022 BUDGET DOCUMENTS

Page Number 98

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET					
	FY2021	FY202	2 FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec	d vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	541,969	516,77	9 (25,190)	-4.65%	*Step increases and advancements along with staffing changes. Our 2021 "Maintenance I" position is now an "Refuse Driver/Collector" in 2022.
Part-time Wages	-	14,00	0 14,000	100.00%	*FY22 increase of \$14,000 is related to adding (2) Interns for 2022. These are being budgeted at \$7,000 per intern in 2022.
Other Wages	 43,417	38,09	7 (5,320)	-12.25%	*FY22 decrease is largely due to a reduction of -\$5,736 to line item 6580 (Service Award) as a result of the staffing changes and personnel transfers.
Benefits	408,288	411,46	3,178	0.78%	*FY22 increase is largely due to increases of \$7,027 to line item 6941 (Defined Contribution 401(a) Plan), \$14,015 to line item 6960 (Group Hospitalization) and \$2,991 to line item 6966 (Retirement Health Savings Account). These additions were partially offset by reductions of \$1,509 to line item 6930 (Social Security Taxes), -\$13,341 to line item 6940 (City Pension) and -\$5,196 to line item 6965 (OPEB). Once again these are related to our staffing changes and personnel transfers.
Personnel Services	\$ 993,674	\$ 980,34	2 (13,332)	-1.34%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 29,250	\$ 32,35	3,100	10.60%	*FY22 increase is due to additions of \$100 to line item 7130 (Tools, Field Supplies & Small Equipment), \$2,500 to line item 7132 (Collection Carts) and \$500 to line item 7270 (Station Maintenance).
Contractual Services	\$ 929,818	\$ 984,44	3 54,630	5.88%	*FY22 increase is largely due to City-Wide changes related to our insurance coverage. Insurance lines increased by a total of \$11,534. Additionally, increases of \$5,907 to line item 8131 (Information Technology Cont'l), \$5,000 to line item 8191 (Yard Waste) and \$32,189 to line item 8312 (Fleet and Facilities Services in 2022.
Other - Depreciation	\$ 208,316	\$ 195,17	2 (13,144)	-6.31%	*Finance Calculation
Other Expenditures	\$ 500	\$ 50	O -	0.00%	*No change from FY2021 to FY2022.
Subtotal:	\$ 2,161,558	\$ 2,192,81	2 \$ 31,254	1.45%	
Inter-Dept. Charges	\$ 91,593	\$ 113,24	2 21,649	23.64%	*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:	\$ 2,253,151	\$ 2,306,05	4 \$ 52,903	2.35%	
Full-time Positions	9		9 0		*No change from FY2021 to FY2022.

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

EXECUTIVE SUMMARY

CAPITAL IMPROVEMENT PLA	AN (CIP)	
Project ID:	Project Description:	Comments
New projects: R2201	Roll Off Dumpster Purchase	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects: REQSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT REFUSE DIVISION

2022 OPERATING EXPENDITURES

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

Summary:

REFUSE DIVISION - SUMMARY	2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		21 BUDGET AMENDED	2022 BUDGET	
OPERATING EXPENSES											
Personnel Services	\$ 872,399	\$	931,668	\$	933,918	\$	1,011,406	\$	993,674	\$	980,342
Materials and Supplies	33,034		30,210		30,900		22,701		29,250		32,350
Contractual Services	799,597		1,063,467		897,038		1,089,528		929,818		984,448
Equipment Depreciation	206,539		215,887		216,412		204,813		208,316		195,172
Other Charges	807		50		520		-		500		500
Subtotal	\$ 1,912,376	\$	2,241,282	\$	2,078,788	\$	2,328,448	\$	2,161,558	\$	2,192,812
Inter-Dept. Charges	96,633		83,086		43,482		135,172		91,593		113,242
Total Operating Expenses	\$ 2,009,009	\$	2,324,368	\$	2,122,270	\$	2,463,620	\$	2,253,151	\$	2,306,054

\$ [DIFFERENCE	% DIFFERENCE
FRC	OM 2021-22	FROM 2021-22
\$	(13,332)	-1.3%
	3,100	10.6%
	54,630	5.9%
	(13,144)	-6.3%
	-	0.0%
\$	31,254	1.4%
	21,649	23.6%
\$	52,903	2.3%

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

Expenditures:

PERSONNEL SE	RVICES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
0141042	6240	Refuse Workers	\$ 501,880	\$ 496,251	\$ 506,214	\$ 549,363	\$ 541,969	\$ 516,779
0141042	6580	Service Award	13,370	14,084	14,987	16,007	16,942	11,206
0141042	6590	Sick Pay	1,245	840	140	895	4,075	4,791
0141042	6610	Seasonal Workers	-	-	-	-	-	14,000
0141042	6620	Overtime	13,138	20,666	15,202	12,236	14,000	14,000
0141042	6880	Uniform Allowance	5,300	5,350	5,300	5,400	5,400	5,100
0141042	6885	Device Reimbursement	-	3,000	2,925	3,000	3,000	3,000
0141042	6920	Unemployment Comp. Ins.	3,325	2,643	2,756	2,834	2,673	2,673
0141042	6930	Social Security Taxes	37,497	39,012	40,018	43,334	43,197	41,688
0141042	6940	City Pension Plan	86,591	97,473	111,550	135,748	124,011	110,670
0141042	6941	Defined Contribution 401(a) Plan	8,413	10,319	10,350	11,820	11,989	19,016
0141042	6950	Term Life Insurance	2,133	2,412	2,869	3,028	3,133	2,549
0141042	6960	Group Hospitalization Ins.	153,021	176,372	163,517	164,526	176,281	190,296
0141042	6961	Long-Term Disability Ins.	816	914	1,129	1,207	1,251	672
0141042	6962	Dental Insurance	9,266	8,919	8,021	7,671	8,131	8,438
0141042	6964	Health Savings Account	750	750	-	-	-	-
0141042	6965	Post-Employment Benefits	30,931	48,093	44,212	49,540	31,596	26,400
0141042	6966	Retirement Health Savings Account	3,503	4,137	3,932	4,428	4,329	7,320
0141042	6967	Emergency Room Reimbursements	800	-	400	-	1,305	1,305
0141042	6968	Vision Insurance Premiums	420	433	396	369	392	439
TOTAL PERSONN	EL SERVI	CES	\$ 872,399	\$ 931,668	\$ 933,918	\$ 1,011,406	\$ 993,674	\$ 980,342

CE % DIFFERENCE	\$ DIFFERENCE
22 FROM 2021-23	FROM 2021-22
20) 4.50	d (25.400)
•	\$ (25,190)
•	(5,736)
	716
	14,000
- 0.09	-
•	(300)
- 0.09	-
- 0.0%	-
9) -3.5%	(1,509)
-10.89	(13,341)
27 58.69	7,027
-18.69	(584)
15 8.0%	14,015
79) -46.3%	(579)
07 3.89	307
- 0.0%	-
96) -16.49	(5,196)
91 69.19	2,991
- 0.09	-
17 12.09	47
_	
-1.39	\$ (13,332)

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 REFUSE DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	AS	2021 S AMENDED	2022 # OF POSITIONS	AS	2022 PROPOSED		Į.	\$ DIFFERENCE	% CHANGE
FULL TIME POSITIONS												
Refuse Coordinator	AFSCME LOCAL 1670 F/T	10	1.0	\$	67,598	1.0	\$	68,702	0.0	\$	1,104	1.6%
Refuse Driver/Collector	AFSCME LOCAL 1670 F/T	8	4.0	\$	255,428	5.0	\$	269,172	1.0	\$	13,744	5.4%
Refuse Driver II	AFSCME LOCAL 1670 F/T	8	1.0	\$	63,857	1.0	\$	64,838	0.0	\$	981	1.5%
Refuse Driver I	AFSCME LOCAL 1670 F/T	6	1.0	\$	62,840	1.0	\$	64,692	0.0	\$	1,852	2.9%
Equipment Operator	AFSCME LOCAL 1670 F/T	3	1.0	\$	46,675	1.0	\$	49,375	0.0	\$	2,700	5.8%
Maintenance I	AFSCME LOCAL 1670 F/T	1	1.0	\$	45,571		\$	-	(1.0)	\$	(45,571)	-100.0%
Total Full-Time Positions			9.0	\$	541,969	9.0	\$	516,779	0.0	\$	(25,190)	-4.6%
DART TIME FUNDING												
<u>PART-TIME FUNDING</u> Seasonal				Ś	_		Ś	14,000		Ś	14,000	100.0%
Total Part-Time Funding				\$	-		\$	14,000		\$	14,000	100.0%
								·			•	
<u>OTHER</u>												
Service Award				\$	16,942		\$	11,206		\$	(5 <i>,</i> 736)	-33.9%
Sick Pay				\$	4,075		Ş	4,791		\$	716	17.6%
Overtime				\$	14,000		Ş	14,000		\$	-	0.0%
Uniform Allowance				Ş	5,400		Ş	5,100		Ş	(300)	-5.6%
Device Reimbursements				Ş	3,000		<u> </u>	3,000		Ş		0.0%
Total Other				Ş	43,417		Ş	38,097		Ş	(5,320)	-12.3%
Total All			9.0	\$	585,386	9.0	\$	568,876	0.0	\$	(16,510)	-2.8%

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

Expenditures:

MATERIALS AN	D SUPPL	LIES	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
0141043	7110	Safety Shoes and Supplies	\$ 1,551	\$ 1,696	\$ 2,057	\$ 885	\$ 2,250	\$ 2,250
0141043	7130	Tools, Field Sup., & Small Eq.	1,297	1,364	619	592	500	600
0141043	7132	Collection Carts	27,557	27,150	26,599	21,224	25,000	27,500
0141043	7191	Yard Waste	180	-	-	-	-	-
0141043	7270	Station Maintenance	2,067	-	1,814	-	1,500	2,000
0141043	7462	Recycling Supplies	382	-	-	-	-	-
0141043	7540	Inventory Adjustment	-	-	(189)	-	-	-
TOTAL MATERIA	LS & SUP	PLIES	\$ 33,034	\$ 30,210	\$ 30,900	\$ 22,701	\$ 29,250	\$ 32,350

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2021-22	FROM 2021-22
\$	-	0.0%
	100	20.0%
	2,500	10.0%
	-	0.0%
	500	33.3%
	-	0.0%
	<u>-</u>	0.0%
\$	3,100	10.6%

CONTRACTUAL	. SERVIC	ES	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 SUDGET
0141044	8030	Casualty Insurance	\$ 9,850	\$ 5,623	\$ 6,204	\$ 6,642	\$ 9,860	\$ 14,563
0141044	8031	Insurance - Property	-	573	-	-	51	-
0141044	8032	Insurance - Auto	10,492	20,354	19,559	20,943	14,331	16,242
0141044	8033	Insurance - Broker	1,855	2,088	2,533	2,557	2,191	2,262
0141044	8035	Insurance - Worker's Compensation	-	-	18,003	23,780	25,500	30,400
0141044	8050	Phone/Communications	2,552	-	-	-	-	-
0141044	8130	Building & Equipment Rentals	-	-	2,334	265	2,500	2,500
0141044	8131	Information Technology Cont'l	879	80	828	2,888	1,787	7,694
0141044	8190	Refuse Disposal-Landfill	426,636	471,956	440,039	436,300	470,000	470,000
0141044	8191	Yard Waste	26,967	49,005	36,233	34,960	30,000	35,000
0141044	8200	Printing & Reproduction	1,584	1,029	1,000	645	1,000	1,000
0141044	8270	Station Maintenance (Pest Control)	-	-	-	-	500	500
0141044	8312	Fleet & Facilities Services	318,782	507,112	368,755	560,548	372,098	404,287
0141044	8313	Self-Insurance Services	-	5,647	-	-	-	-
0141044	8550	Misc. Contracted Services	-	-	1,550	-	-	-
TOTAL CONTRAC	CTUAL SE	RVICES	\$ 799,597	\$ 1,063,467	\$ 897,038	\$ 1,089,528	\$ 929,818	\$ 984,448

\$	4,703	47.7%
Ą	*	-100.0%
	(51)	
	1,911	13.3%
	71	3.2%
	4,900	19.2%
	-	0.0%
	-	0.0%
	5,907	330.6%
	-	0.0%
	5,000	16.7%
	-	0.0%
	-	0.0%
	32,189	8.7%
	-	0.0%
		0.0%
\$	54,630	5.9%

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

Expenditures:

OTHER CHARG	ES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET AMENDED	2022 BUDGET
0141045 0141045	9060 9070	Depreciation Expense Training & Continuing Educ/Conf	\$ 206,539 807	\$ 215,887 50	\$ 216,412 520	\$ 204,813	\$ 208,316 500	\$ 195,172 500
TOTAL OTHER C	HARGES		\$ 207,346	\$ 215,937	\$ 216,932	\$ 204,813	\$ 208,816	\$ 195,672

% DIFFERENCE
FROM 2021-22
-6.3% 0.0%
-6.3%

INTER-DEPT. CHARGES		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		2021 BUDGET AS AMENDED		2022 BUDGET	
Billings and	Accounting	\$	22,045	\$	27,423	\$	4,094	\$	32,565	\$	26,232	\$	5,214
Electric Use	ed - Transfer Station		811		827		100		2,330		2,430		2,437
Information	n Technology		48,741		48,209		42,253		49,041		46,239		56,340
Mailroom a	ind Postage		-		7		1,161		1,156		1,346		1,218
Other Indir	ect Charges		23,466		2,296		(7,039)		46,548		12,371		44,731
Printing an	d Reproduction		113		105		98		64		110		109
Records	·		-		1,477		1,511		1,747		1,646		1,819
Warehousi	ng		1,457		2,742		1,304		1,721		1,219		1,374
TOTAL INTER-DEPT. CHARGES		\$	96,633	\$	83,086	\$	43,482	\$	135,172	\$	91,593	\$	113,242

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2021-22	FROM 2021-22
\$	(21,018)	-80.1%
	7	0.3%
	10,101	21.8%
	(128)	-9.5%
	32,360	261.6%
	(1)	-0.9%
	173	10.5%
	155	12.7%
\$	21,649	23.6%

OPERATING EXPENSES - REFUSE DIVISION	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET
TOTAL OPERATING EXPENSES	\$ 2,009,009	\$ 2,324,368	\$ 2,122,270	\$ 2,463,620	\$ 2,253,151	\$ 2,306,054

	ERENCE 2021-22	% DIFFEREN FROM 2021-	
>	52,903	2.3	3%
?	32,303		•

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STREET DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

EXECUTIVE SUMMARY

	FY2021	FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2022 Rec'd		Comments
Full-time Wages	428,150	442,118	13,968	3.26%	*Step increases and advancements along with staffing changes. One of our 2021 "Equipmen Operator" positions is now an "Equipment Operator II" in 2022.
Part-time Wages	20,500	 21,000	500	2.44%	*FY22 increase of \$500 is related (1) Intern for 2022. These are being budgeted at \$7,000 pe intern in 2022.
Other Wages	54,110	 58,666	4,556	8.42%	*FY22 increase is largely due to an addition of \$4,000 to line item 6620 (Overtime). This along with some annual staff advancements to 6580 (Service Award) and 6590 (Sick Pay).
Benefits	295,354	 316,084	20,730	7.02%	*FY22 increase is largely due to increases of \$1,978 to line item 6930 (Social Security Taxes), \$6,050 to line item 6940 (City Pension), \$9,570 to line item 6960 (Group Hospitalization) and \$3,120 to line item 6965 (OPEB).
Personnel Services	\$ 798,114	\$ 837,868	39,754	4.98%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 138,900	\$ 156,400	17,500	12.60%	*FY22 increase is due to an additions of \$500 to line item 7130 (Tools, Field Supplies & Smal Equipment), \$2,000 to line item 7340 (Street Signs and Roadway Markings) and \$15,000 to line item 7380 (Street Maintenance).
Contractual Services	\$ 303,541	\$ 307,995	4,454	1.47%	*FY22 increase is largely due to City-Wide changes related to our insurance coverage. Insurance lines increased by a total of \$10,073, which was partially offset by a reduction of \$4,000 to line item 8550 (Misc. Contracted Services).
Other - Depreciation	\$ 60,215	\$ 76,533	16,318	27.10%	*Finance Calculation
Other Expenditures	\$ 1,250	\$ 2,000	750	60.00%	*FY22 increase is due to an addition of \$750 to line item 9070 (Training)
Subtotal:	\$ 1,302,020	\$ 1,380,796	\$ 78,776	6.05%	
nter-Dept. Charges	\$ 288,627	\$ 245,065	(43,562)	-15.09%	*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:	\$ 1,590,647	\$ 1,625,861	\$ 35,214	2.21%	
Full-time Positions	7	7	0		*No change from FY2021 to FY2022.

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

EXECUTIVE SUMMARY (continued)

CAPITAL IMPROVEMENT P	LAN (CIP)	
Project ID:	Project Description:	Comments
New projects:		
H2201	Annual Street Program	New Project added in 2022-2026 Capital Improvement Program
H2202	ADA Accessibility Transition Plan	New Project added in 2022-2026 Capital Improvement Program
H2203	City Hall Parking Lot Rehabilitation	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects:		
H2101	Annual Street Program	Approved carryover funding from 2021. Project scheduled to be completed by EOY 2021.
H2102	ADA Accessibility Transition Plan	Approved carryover funding from 2021. Project scheduled to be completed by EOY 2021.
H2002	ADA Accessibility Transition Plan	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
H1902	ADA Accessibility Transition Plan	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
H1903	Skid Steer Purchase	Ongoing project listed in 2022-2026 CIP, projected spending next in 2024
H1802	ADA Accessibility Transition Plan	Approved carryover funding from prior to 2021. Project scheduled to be completed by EOY 2021.
H1503	Newark Transportation Plan Implementation	Perpetual Project
HEQSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STREET DIVISION

2022 OPERATING EXPENDITURES

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

Summary:

STREET DIVISION - SUMMARY	2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		2021 BUDGET AS AMENDED		2022 BUDGET		DIFFERENC ROM 2021-2
OPERATING EXPENSES													
Personnel Services Materials and Supplies Contractual Services Other Charges	\$ 796,131 158,955 229,400 137,046	\$	791,329 156,134 482,766 110,157	\$	489,160 152,479 249,093 84,522	\$	803,031 68,209 240,612 70,608	\$	798,114 138,900 303,541 61,465	\$	837,868 156,400 307,995 78,533	\$	39,754 17,500 4,454 17,068
Subtotal Inter-Dept. Charges	\$ 1,321,532 360,414	\$	1,540,386 350,838	\$	975,254 287,124	\$	1,182,460 262,158	\$	1,302,020 288,627	\$	1,380,796 245,065	\$	78,776 (43,562
Total Operating Expenses	\$ 1,681,946	\$	1,891,224	\$	1,262,378	\$	1,444,618	\$	1,590,647	\$	1,625,861	\$	35,214

,	DIFFERENCE	% DIFFERENCE
FI	ROM 2021-22	FROM 2021-22
\$	39,754	5.0%
	17,500	12.6%
	4,454	1.5%
	17,068	27.8%
_	70.776	
\$	78,776	6.1%
	(43,562)	-15.1%
_		
\$	35,214	2.2%

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

Expenditures:

PERSONNEL SEI	RVICES		ı	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
0131052	6020	Supervisory	\$	93,292	\$ 62,348	\$ 66,305	\$ 73,749	\$ 74,447	\$ 79,054
0131052	6230	Maintenance Workers		357,836	341,159	33,052	357,345	353,703	363,064
0131052	6580	Service Award		8,988	6,796	6,600	7,023	7,459	7,909
0131052	6590	Sick Pay		2,385	1,376	16,004	2,359	4,411	4,517
0131052	6610	Seasonal Workers		22,796	29,742	23,687	5,668	14,000	14,000
0131052	6615	Interns		-	-	-	-	6,500	7,000
0131052	6620	Overtime		29,906	41,013	58,729	43,462	36,000	40,000
0131052	6622	Holiday Premium		-	491	1,522	1,179	-	-
0131052	6623	Weekend Premium		-	-	123	-	-	-
0131052	6880	Uniform Allowance		4,280	4,040	3,840	3,840	3,840	3,840
0131052	6885	Device Reimbursement		-	2,475	2,400	2,400	2,400	2,400
0131052	6920	Unemployment Comp. Ins.		3,227	2,550	2,225	2,310	2,079	2,079
0131052	6930	Social Security Taxes		34,176	34,241	36,424	36,613	36,704	38,682
0131052	6940	City Pension Plan		77,828	92,937	73,900	91,889	84,400	90,450
0131052	6941	Defined Contribution 401(a) Plan		6,256	10,065	11,339	12,171	12,284	12,716
0131052	6950	Term Life Insurance		1,901	1,888	2,341	2,426	2,477	2,160
0131052	6960	Group Hospitalization Ins.		112,685	109,524	109,035	114,295	122,460	132,030
0131052	6961	Long-Term Disability Ins.		716	704	908	953	989	577
0131052	6962	Dental Insurance		7,002	6,155	5,856	5,856	6,207	6,442
0131052	6964	Health Savings Account		-	-	750	750	750	750
0131052	6965	Post-Employment Benefits		28,462	39,574	29,580	33,976	21,300	24,420
0131052	6966	Retirement Health Savings Account		2,405	3,891	4,201	4,428	4,329	4,392
0131052	6967	Emergency Room Reimbursements		1,600	-	-	-	1,015	1,015
0131052	6968	Vision Insurance Premiums		390	360	339	339	360	371
TOTAL PERSONN	EL SERVI	CES	\$	796,131	\$ 791,329	\$ 489,160	\$ 803,031	\$ 798,114	\$ 837,868

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	4.607	C 20/
Þ	4,607	6.2%
	9,361	2.6%
	450	6.0%
	106	2.4%
	-	0.0%
	500	7.7%
	4,000	11.1%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	1,978	5.4%
	6,050	7.2%
	432	3.5%
	(317)	-12.8%
	9,570	7.8%
	(412)	-41.7%
	235	3.8%
	-	0.0%
	3,120	14.6%
	63	1.5%
	-	0.0%
	11	3.1%
\$	39,754	5.0%

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PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 STREET DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	AS	2021 S AMENDED	2022 # OF POSITIONS	AS	2022 PROPOSED	POSITION DIFFERENCE	[\$ DIFFERENCE	% CHANGE
FULL TIME POSITIONS												
PWWR Supervisor	MGMT	19	1.0	Ś	74,447	1.0	\$	79,054	0.0	Ś	4,607	6.2%
Heavy Equipment Mech/Operator	AFSCME LOCAL 1670 F/T	10	1.0	Ś	67,598	1.0	Ś	68,702	0.0	Ś	1,104	1.6%
Maintenance IV	AFSCME LOCAL 1670 F/T	8	2.0	\$	127,714	2.0	\$	129,676	0.0	\$	1,962	1.5%
Equipment Operator II	AFSCME LOCAL 1670 F/T	6		\$	-	1.0	\$	58,614	1.0	\$	58,614	100.0%
Equipment Operator	AFSCME LOCAL 1670 F/T	3	3.0	\$	158,391	2.0	\$	106,072	(1.0)	\$	(52,319)	-33.0%
Total Full-Time Positions			7.0	\$	428,150	7.0	\$	442,118	0.0	\$	13,968	3.3%
PART-TIME FUNDING Seasonal Intern				\$ \$	14,000 6,500		\$ \$	14,000 7,000		\$ \$	- 500	0.0% 7.7%
Total Part-Time Funding				\$	20,500		\$	21,000		\$	500	2.4%
OTHER Service Award Sick Pay Overtime Uniform Allowance Device Reimbursements Total Other				\$ \$ \$ \$ \$	7,459 4,411 36,000 3,840 2,400 54,110		\$ \$ \$ \$	7,909 4,517 40,000 3,840 2,400 58,666		\$ \$ \$ \$	450 106 4,000 - - - 4,556	6.0% 2.4% 11.1% 0.0% 0.0% 8.4%
Total All			7.0	\$	502,760	7.0	\$	521,784	0.0	\$	19,024	3.8%

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

Expenditures:

ND SUPPLIES			2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL	2021 BUDGET AS AMENDED			2022 BUDGET
7110	Safety Shoes and Supplies	\$	2,679	\$	1,327	\$	2,127	\$	1,545	\$	2,400	\$	2,400
7130	Tools, Field Sup., & Small Eq.		28,558		3,159		11,607		2,702		3,500		4,000
7340	Street Signs and Roadway Markings		26,480		25,622		28,183		25,657		28,000		30,000
7380	Street Maintenance		30,044		44,582		77,827		17,445		65,000		80,000
7400	Storm Sewer Maintenance		2,139		943		-		-		-		-
7450	Salt, Sand, & Snow Removal		48,992		53,188		33,253		20,391		40,000		40,000
7470	Curb & Gutter Maintenance		17,282		24,174		-		-		-		-
7540	Inventory Adjustment		725		792		(1,614)		(723)		-		-
7550	Miscellaneous Supplies		2,056		2,347		1,096		1,192		-		-
S & SUP	PLIES	\$	158,955	\$	156,134	\$	152,479	\$	68,209	\$	138,900	\$	156,400
	7110 7130 7340 7380 7400 7450 7470 7540 7550	7110 Safety Shoes and Supplies 7130 Tools, Field Sup., & Small Eq. 7340 Street Signs and Roadway Markings 7380 Street Maintenance 7400 Storm Sewer Maintenance 7450 Salt, Sand, & Snow Removal 7470 Curb & Gutter Maintenance 7540 Inventory Adjustment	7110 Safety Shoes and Supplies \$ 7130 Tools, Field Sup., & Small Eq. 7340 Street Signs and Roadway Markings 7380 Street Maintenance 7400 Storm Sewer Maintenance 7450 Salt, Sand, & Snow Removal 7470 Curb & Gutter Maintenance 7540 Inventory Adjustment 7550 Miscellaneous Supplies	O SUPPLIES ACTUAL 7110 Safety Shoes and Supplies \$ 2,679 7130 Tools, Field Sup., & Small Eq. 28,558 7340 Street Signs and Roadway Markings 26,480 7380 Street Maintenance 30,044 7400 Storm Sewer Maintenance 2,139 7450 Salt, Sand, & Snow Removal 48,992 7470 Curb & Gutter Maintenance 17,282 7540 Inventory Adjustment 725 7550 Miscellaneous Supplies 2,056	O SUPPLIES ACTUAL 7110 Safety Shoes and Supplies \$ 2,679 \$ 7130 Tools, Field Sup., & Small Eq. 28,558 7340 Street Signs and Roadway Markings 26,480 7380 Street Maintenance 30,044 7400 Storm Sewer Maintenance 2,139 7450 Salt, Sand, & Snow Removal 48,992 7470 Curb & Gutter Maintenance 17,282 7540 Inventory Adjustment 725 7550 Miscellaneous Supplies 2,056	D SUPPLIES ACTUAL ACTUAL 7110 Safety Shoes and Supplies \$ 2,679 \$ 1,327 7130 Tools, Field Sup., & Small Eq. 28,558 3,159 7340 Street Signs and Roadway Markings 26,480 25,622 7380 Street Maintenance 30,044 44,582 7400 Storm Sewer Maintenance 2,139 943 7450 Salt, Sand, & Snow Removal 48,992 53,188 7470 Curb & Gutter Maintenance 17,282 24,174 7540 Inventory Adjustment 725 792 7550 Miscellaneous Supplies 2,056 2,347	ACTUAL ACTUAL 7110 Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 7130 7130 Tools, Field Sup., & Small Eq. 28,558 3,159 7340 Street Signs and Roadway Markings 26,480 25,622 7380 Street Maintenance 30,044 44,582 7400 Storm Sewer Maintenance 2,139 943 7450 Salt, Sand, & Snow Removal 48,992 53,188 7470 Curb & Gutter Maintenance 17,282 24,174 7540 Inventory Adjustment 725 792 7550 Miscellaneous Supplies 2,056 2,347	ACTUAL ACTUAL ACTUAL ACTUAL 7110 Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 2,127 7130 Tools, Field Sup., & Small Eq. 28,558 3,159 11,607 7340 Street Signs and Roadway Markings 26,480 25,622 28,183 7380 Street Maintenance 30,044 44,582 77,827 7400 Storm Sewer Maintenance 2,139 943 - 7450 Salt, Sand, & Snow Removal 48,992 53,188 33,253 7470 Curb & Gutter Maintenance 17,282 24,174 - 7540 Inventory Adjustment 725 792 (1,614) 7550 Miscellaneous Supplies 2,056 2,347 1,096	Till Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 2,127 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,307 \$ 1,407	ACTUAL ACTUAL<	Till Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 2,127 \$ 1,545 \$ 1,300 \$ 1,300 \$ 3,500 \$ 3,159 \$ 1,607 \$ 2,702 \$ 1,340 \$ 3,159 \$ 1,607 \$ 2,702 \$ 1,340 \$ 3,159	Till Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 2,127 \$ 1,545 \$ 2,400	Till Safety Shoes and Supplies \$ 2,679 \$ 1,327 \$ 2,127 \$ 1,545 \$ 2,400 \$ \$ 1,307 \$ 1,545 \$ 2,400 \$ \$ 1,307 \$ 1,545 \$ 2,400 \$ \$ 1,307 \$ 1,545 \$ 2,400 \$ \$ 1,307 \$ 1,607 \$ 2,702 \$ 3,500 \$ 1,307 \$ 3,500 \$ 3

	<u>-</u>	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	15,000	23.1%
	2,000	7.1%
	500	14.3%
\$	-	0.0%
FRC	M 2021-22	FROM 2021-22
\$ [DIFFERENCE	% DIFFERENCE

CONTRACTUAL	SERVICE	ES .	,	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	ı	2022 BUDGET
0131054	8030	Casualty Insurance	\$	11,606	\$ 7,203	\$ 6,474	\$ 6,931	\$ 7,668	\$	12,263
0131054	8031	Insurance - Property		2,703	4,992	3,845	4,666	1,294		1,523
0131054	8032	Insurance - Auto		13,918	26,793	25,880	23,374	24,363		27,611
0131054	8033	Insurance - Broker		2,664	3,657	3,637	3,672	1,704		1,905
0131054	8035	Insurance - Worker's Compensation		-	-	16,805	22,195	23,800		25,600
0131054	8050	Phone/Communications		1,653	158	169	190	180		690
0131054	8130	Building & Equipment Rental		1,806	3,838	6,509	2,565	-		5,000
0131054	8131	Information Technology Cont'l		2,255	4,641	4,719	4,499	4,502		4,778
0131054	8312	Fleet & Facilities Services		173,986	454,505	176,505	167,388	221,030		213,625
0131054	8313	Self-Insurance Services		-	(26,871)	-	2,133	-		-
0131054	8380	Street Maintenance		16,999	-	3,950	2,253	15,000		15,000
0131054	8450	Salt, Sand & Snow Removal		-	3,441	-	-	-		-
0131054	8550	Misc. Contracted Services		1,810	409	600	746	4,000		-
TOTAL CONTRAC	TUAL SE	RVICES	\$	229,400	\$ 482,766	\$ 249,093	\$ 240,612	\$ 303,541	\$	307,995

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	4,595	59.9%
	229	17.7%
	3,248	13.3%
	201	11.8%
	1,800	7.6%
	510	283.3%
	5,000	100.0%
	276	6.1%
	(7,405)	-3.4%
	-	0.0%
	-	0.0%
	-	0.0%
	(4,000)	-100.0%
\$	4,454	1.5%

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

Expenditures:

OTHER CHARG	OTHER CHARGES			2017		2018		2019		2020	202	1 BUDGET		2022
OTTIER CHARG				ACTUAL		ACTUAL		ACTUAL		ACTUAL	AS	AMENDED	В	UDGET
0131055	9060	Depreciation Expense	\$	136,222	\$	107,481	\$	82,299	\$	70,558	\$	60,215	\$	76,533
0131055	9070	Training & Continuing Educ/Conf		824		2,676		2,223		50		1,250		2,000
TOTAL OTHER C	HARGES		Ş	137,046	Ş	110,157	\$	84,522	Ş	70,608	Ş	61,465	\$	78,533

\$ [DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	16,318 750	27.1% 60.0%
\$	17,068	27.8%
Ė		

INTER-DEPT. CHARGES	ITER-DEPT. CHARGES		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL	2021 BUDGET AS AMENDED		2022 BUDGET	
В	illings and Accounting	\$	26,921	\$	20,145	\$	3,490	\$	23,990	\$	19,396	\$	4,348
E	lectrcity Used		717		733		-		736		736		743
Ir	nformation Technology		97,475		42,853		37,559		43,592		41,102		50,082
N	Mailroom and Postage		-		5		845		842		980		887
O	ther Indirect Charges		89,339		113,344		75,219		11,580		50,715		6,049
P	rinting and Reproduction		113		105		98		64		110		110
R	ecords		-		1,076		1,100		1,273		1,199		1,325
S ⁻	treet Lights and Traffic Signals		143,745		169,331		166,221		177,083		171,965		180,496
V	Varehousing		2,104		3,246		2,592		2,998		2,424		1,025
TOTAL INTER-DEPT. CHARGE	ES	\$	360,414	\$	350,838	\$	287,124	\$	262,158	\$	288,627	\$	245,065

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2021-22	FROM 2021-22
\$	(15,048)	-77.6%
	7	1.0%
	8,980	21.8%
	(93)	-9.5%
	(44,666)	-88.1%
	-	0.0%
	126	10.5%
	8,531	5.0%
	(1,399)	-57.7%
\$	(43,562)	-15.1%

TOTAL OPERATING EVERYORS	OPERATING EXPENSES - STREET DIVISION		2017 ACTUAL	2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		021 BUDGET S AMENDED	2022 BUDGET		
TOTAL OPERATING EXPENSES \$ 1,881,946 \$ 1,891,224 \$ 1,262,378 \$ 1,444,618 \$ 1,590,647 \$ 1,	TOTAL OPERATING EXPENSES	\$	1,681,946	\$ 1,891,224	\$	1,262,378	\$	1,444,618	\$	1,590,647	\$	1,625,861	

% DIFFERENCE
FROM 2021-22
2.2%



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT ENGINEERING DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET		 			
	FY2021	FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	482,533	503,526	20,993	4.35%	*Step increases and advancements
Part-time Wages	 -	 7,000	7,000	100.00%	*FY22 increase of \$7,000 is related to adding (1) Intern for 2022. These are being budgeted at \$7,000 per intern in 2022.
Other Wages	 24,954	 27,885	2,931	11.75%	*FY22 increase is largely due to an addition of \$2,000 to line item 6620 (Overtime). This along with some annual staff advancements to 6580 (Service Award) and 6590 (Sick Pay).
Benefits	 336,214	379,135	42,921	12.77%	*FY22 increase is largely due to increases of \$2,648 to line item 6930 (Social Security Taxes), \$19,099 to line item 6940 (City Pension), \$10,404 to line item 6960 (Group Hospitalization) and \$10,179 to line item 6965 (OPEB).
Personnel Services	\$ 843,701	\$ 917,546	73,845	8.75%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 5,600	\$ 5,600	-	0.00%	*No change from FY2021 to FY2022.
Contractual Services	\$ 121,300	\$ 116,098	(5,202)	-4.29%	*FY22 decrease is largely due to City-Wide changes related to our insurance coverage. Insurance lines decreased by a total of -\$10,743, which was slightly offset by additions of \$3,000 to line item 8120 (Outside Engineering) and \$3,589 to line item 8131 (Information Technology Cont'l).
Other - Depreciation	\$ 8,789	\$ 10,039	1,250	14.22%	*Finance Calculation
Other Expenditures	\$ 2,000	\$ 8,000	6,000	300.00%	*FY22 increase is due to an addition of \$6,000 to line item 9070 (Training)
Subtotal:	\$ 981,390	\$ 1,057,283	\$ 75,893	7.73%	
Inter-Dept. Charges	\$ 35,622	\$ 34,730	(892)	-2.50%	*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:	\$ 1,017,012	\$ 1,092,013	\$ 75,001	7.37%	
Full-time Positions	7	7	0		*No change from FY2021 to FY2022.

CAPITAL IMPROVEMENT PL	AN (CIP)	
Project ID:	Project Description:	Comments
New projects:		
T2201	Survey Equipment Purchase	New Project added in 2022-2026 Capital Improvement Program
Ongoing projects:		
TEQSF	Equipment Replacement Program	Perpetual Project



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT ENGINEERING DIVISION

2022 OPERATING EXPENDITURES

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

Summary:

ENGINEERING DIVISION - SUMMARY		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET	
OPERATING EXPENSES											
Personnel Services Materials and Supplies Contractual Services Other Charges	\$	827,221 5,116 103,069 18,674	\$	918,674 3,112 79,959 20,605	\$	886,234 2,951 102,098 21,947	\$	953,608 1,556 99,994 9,771	\$ 843,701 5,600 121,300 10,789	\$	917,546 5,600 116,098 18,039
Subtotal Inter-Dept. Charges	\$	954,080 30,125	\$	1,022,350 26,784	\$	1,013,230 8,498	\$	1,064,929 30,637	\$ 981,390 35,622	\$	1,057,283 34,730
Total Operating Expenses	\$	984,205	\$	1,049,134	\$	1,021,728	\$	1,095,566	\$ 1,017,012	\$	1,092,013

\$	DIFFERENCE	% DIFFERENCE
FF	ROM 2021-22	FROM 2021-22
\$	73,845	8.8%
	-	0.0%
	(5,202)	-4.3%
	7,250	67.2%
<u> </u>		
\$	75,893	7.7%
	(892)	-2.5%
		2.570
\$	75,001	7.4%

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

Expenditures:

PERSONNEL SEF	RVICES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
0131072	6020	Supervisory	\$ 82,413	\$ 84,315	\$ 86,692	\$ 93,956	\$ 92,146	\$ 94,088
0131072	6030	Engineering/Technical	253,170	234,853	189,159	188,088	115,738	122,733
0131072	6210	Inspectors	182,545	240,055	247,178	273,149	274,649	286,705
0131072	6580	Service Award	5,648	5,691	6,168	6,871	5,490	5,851
0131072	6590	Sick Pay	4,477	3,005	2,874	2,714	1,664	2,234
0131072	6615	Interns	17,121	15,906	10,075	-	-	7,000
0131072	6620	Overtime	24,011	30,289	19,731	15,788	16,000	18,000
0131072	6622	Holiday Premium	423	-	-	666	-	-
0131072	6880	Uniform Allowance	945	1,440	1,440	1,440	1,200	1,200
0131072	6885	Device Reimbursement	-	600	450	600	600	600
0131072	6920	Unemployment Comp. Ins.	3,459	2,775	2,714	2,525	1,930	1,929
0131072	6930	Social Security Taxes	42,185	45,290	41,214	42,193	36,319	38,967
0131072	6940	City Pension Plan	59,462	54,659	62,520	79,744	113,211	132,310
0131072	6941	Defined Contribution 401(a) Plan	18,705	22,558	20,821	24,144	24,238	25,600
0131072	6950	Term Life Insurance	2,081	2,453	3,231	3,592	2,834	2,313
0131072	6960	Group Hospitalization Ins.	97,631	136,497	149,527	170,152	129,135	139,539
0131072	6961	Long-Term Disability Ins.	807	953	1,339	1,520	1,192	660
0131072	6962	Dental Insurance	5,603	7,506	7,843	8,938	6,865	7,126
0131072	6963	Flexible Spending Account	100	126	224	252	158	159
0131072	6964	Health Savings Account	-	-	750	-	-	-
0131072	6965	Post-Employment Benefits	21,068	22,987	24,545	29,343	12,501	22,680
0131072	6966	Retirement Health Savings Account	5,071	6,315	5,924	6,670	6,495	6,537
0131072	6967	Emergency Room Reimbursements	-	-	1,383	800	943	942
0131072	6968	Vision Insurance Premiums	296	401	432	463	393	373
TOTAL PERSONN	EL SERVI	CES	\$ 827,221	\$ 918,674	\$ 886,234	\$ 953,608	\$ 843,701	\$ 917,546

\$ [DIFFERENCE	% DIFFERENCE
FRC	OM 2021-22	FROM 2021-22
\$	1,942	2.1%
7	6,995	6.0%
	12,056	4.4%
	361	6.6%
	570	34.3%
	7,000	100.0%
	2,000	12.5%
	2,000	0.0%
	_	0.0%
	_	0.0%
	(1)	-0.1%
	2,648	7.3%
	19,099	16.9%
	1,362	5.6%
	(521)	-18.4%
	10,404	8.1%
	(532)	-44.6%
	261	3.8%
	1	0.6%
	_	0.0%
	10,179	81.4%
	42	0.6%
	(1)	-0.1%
	(20)	-5.1%
\$	73,845	8.8%

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 ENGINEERING DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF POSITIONS	A	2021 S AMENDED	2022 # OF POSITIONS	AS	2022 PROPOSED	POSITION DIFFERENCE	ı	\$ DIFFERENCE	% CHANGE
FULL TIME POSITIONS												
Field Operations Superintendent	MGMT	23	1.0	\$	92,146	1.0	\$	94,088	0.0	\$	1,942	2.1%
Planning and Design Engineer	MGMT	23	1.0	\$	81,543	1.0	\$	86,595	0.0	\$	5,052	6.2%
Engineering Technician II *	CWA F/T	17	1.0	\$	34,195	1.0	\$	36,138	0.0	\$	1,943	5.7%
Utility Inspector II	CWA F/T	16	1.0	\$	63,608	1.0	\$	69,914	0.0	\$	6,306	9.9%
Chief Surveyor	CWA F/T	15	1.0	\$	77,041	1.0	\$	78,241	0.0	\$	1,200	1.6%
Utility Inspector I	CWA F/T	14	2.0	\$	134,000	2.0	\$	138,550	0.0	\$	4,550	3.4%
Total Full-Time Positions	•		7.0	\$	482,533	7.0	\$	503,526	0.0	\$	20,993	4.4%
DART TIME SUNDING												
PART-TIME FUNDING				<u>,</u>			<u>,</u>	7.000		<u>,</u>	7.000	400.00/
Interns				<u> </u>	-		\$	7,000		<u> </u>	7,000	100.0%
Total Part-Time Funding				<u> </u>	-		<u> </u>	7,000		Ş	7,000	100.0%
OTHER												
Service Award				\$	5,490		\$	5,851		\$	361	6.6%
Sick Pay				\$	1,664		\$	2,234		\$	570	34.3%
Overtime				\$	16,000		\$	18,000		\$	2,000	12.5%
Uniform Allowance				\$	1,200		\$	1,200		\$	-	0.0%
Device Reimbursements				\$	600		\$	600		\$	-	0.0%
Total Other				\$	24,954		\$	27,885		\$	2,931	11.7%
Total All			7.0	\$	507,487	7.0	\$	538,411	0.0	\$	30,924	6.1%

^{*} Please be advised that the Engineering Technician II position will be partially funded through Capital in 2021.

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

Expenditures:

MATERIALS AND SUPPLIES				2017 CTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		2021 BUDGET AS AMENDED		2022 SUDGET
0131073	7110	Safety Shoes and Supplies	\$	1,542	\$	550	\$	1,003	\$	385	\$	2,000	\$	2,000
0131073	7130	Tools, Field Sup., & Small Eq.		174		1,055		138		923		1,200		1,200
0131073	7150	Office Supplies		2,413		1,507		1,810		248		2,400		2,400
0131073	7550	Miscellaneous Supplies		987		-		-		-		-		-
TOTAL MATERIA	s	5,116	Ś	3.112	Ś	2,951	Ś	1,556	Ś	5,600	Ś	5,600		

\$ DIFF	ERENCE	% DIFFERENCE
FROM	2021-22	FROM 2021-22
\$	-	0.0%
	-	0.0%
	-	0.0%
	<u>-</u>	0.0%
\$	<u>-</u>	0.0%

CONTRACTUAL	SERVICE	ES		2017	2018	2019	2020		1 BUDGET	2022
				ACTUAL	ACTUAL	ACTUAL	ACTUAL	AS.	AMENDED	UDGET
0131074	8020	Advertising	\$	860	\$ 1,073	\$ 1,509	\$ 1,732	\$	1,100	\$ 1,400
0131074	8030	Casualty Insurance		5,319	9,300	10,790	11,551		7,668	11,497
0131074	8032	Insurance - Auto		3,319	6,233	6,122	6,563		8,599	9,745
0131074	8033	Insurance - Broker		714	1,583	974	984		1,704	1,786
0131074	8035	Insurance - Worker's Compensation		-	-	16,695	22,195		23,800	8,000
0131074	8050	Phone/Communications		1,808	1,858	2,177	618		180	690
0131074	8120	Outside Engineering		47,802	26,550	20,569	19,202		30,000	33,000
0131074	8131	Information Technology Cont'l		18,395	13,837	18,328	18,835		18,315	21,904
0131074	8312	Fleet & Facilities Services		24,314	19,472	24,555	18,304		29,934	28,076
0131074	8313	Self-Insurance Services		-	48	379	-		-	-
0131074	8550	Misc. Contracted Services		538	5	-	10		-	-
			•	•	•		•		•	
TOTAL CONTRAC	TUAL SE	RVICES	\$	103,069	\$ 79,959	\$ 102,098	\$ 99,994	\$	121,300	\$ 116,098

\$	(5,202)	-4.3%
	-	0.0%
	-	0.0%
	(1,858)	-6.2%
	3,589	19.6%
	3,000	10.0%
	510	283.3%
	(15,800)	-66.4%
	82	4.8%
	1,146	13.3%
	3,829	49.9%
\$	300	27.3%
FRC	M 2021-22	FROM 2021-22
\$ 0	IFFERENCE	% DIFFERENCE

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

Expenditures:

OTHER CHARG	ES		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL	1 BUDGET AMENDED	I	2022 BUDGET
0131075	9020	Mileage & Small Bus. Expense	\$ 1,589	\$	1,710	\$	1,034	\$	-	\$ -	\$	_
0131075	9060	Depreciation Expense	11,859		11,960		9,776		9,771	8,789		10,039
0131075	9070	Training & Continuing Educ/Conf	5,226		6,935		11,137		-	2,000		8,000
TOTAL OTHER CI	HARGES		\$ 18,674	\$	20,605	\$	21,947	\$	9,771	\$ 10,789	\$	18,039

\$	7,250	67.2%
	6,000	300.0%
	1,250	14.2%
\$	-	0.0%
FROI	M 2021-22	FROM 2021-22
\$ DI	FFERENCE	% DIFFERENCE

INTER-DEPT. CHARGES		2017 ACTUAL		2018 ACTUAL	,	2019 ACTUAL		2020 ACTUAL		1 BUDGET AMENDED		2022 BUDGET
Billings and Accounting	\$	16,627	\$	18,239	\$	3,597	\$	21,786	\$	17,681	\$	4,407
Electricity Used		711		727		-		730		730		737
Information Technology		48,741		45,531		39,906		46,316		43,672		53,211
Mailroom and Postage		-		4		759		756		880		796
Other Indirect Expenses		(36,067)		(38,788)		(36,850)		(40,158)		(28,527)		(25,720
Printing and Reproduction		113		105		98		64		110		109
Records		-		966		988		1,143		1,076		1,190
TOTAL INTER-DEPT. CHARGES	¢	30,125	ċ	26,784	¢	8,498	ċ	30,637	ċ	35,622	ċ	34,730

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2021-22	FROM 2021-22
\$	(13,274)	-75.1%
	7	1.0%
	9,539	21.8%
	(84)	-9.5%
	2,807	-9.8%
	(1)	-0.9%
	114	10.6%
\$	(892)	-2.5%

OPERATING EXPENSES - ENGINEERING DIVISION	2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 ACTUAL		021 BUDGET S AMENDED	2022 BUDGET		
TOTAL OPERATING EXPENSES	\$	984,205	\$	1,049,134	\$	1,021,728	\$	1,095,566	\$ 1,017,012	\$	1,092,013	

\$ DIFFERENCE	% DIFFERENCE
FROM 2021-22	FROM 2021-22
\$ 75,001	7.4%



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

2022-2026 CAPITAL IMPROVEMENT PROGRAM

Page Number 125

CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2022-2026

(with current year amended budget)

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

FUNDING SUMMARY 2022 2023 2024 2025 2026 Total 5 Year **New Funding:** 2,605,194 2,904,357 3,095,000 3,200,000 2,695,000 14,499,551 309,696 309,696 *Prior Authorized Balance: 2022-2026 Funding: 2,914,890 2,904,357 3,095,000 3,200,000 2,695,000 14,809,247 *Prior Authorized Balance includes 2021 carryover funding only.

				2021		20	22								
	OJECT	PROJECT	*	BUDGET	-	RVES AND		CURRENT		2022	2023	2024	2025	2026	TOTAL
NU	JMBER	NAME	*	AS AMENDED	OTHE	R FUNDING	ŀ	FUNDING							
R22	201	Roll Off Dumpster Purchase	Α	\$ -	\$	-	\$	20,000	\$	20,000	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ 60,000
REC	QSF	Equipment Replacement Program	В	285,690		151,775		98,225		250,000	200,000	600,000	600,000	300,000	1,950,000
H22	201	Annual Street Program	В	-		1,001,675		750,000		1,751,675	1,772,916	1,795,000	2,145,000	2,145,000	9,609,591
H22	202	ADA Accessibility Transition Plan	С	-		162,278		-		162,278	166,441	175,000	175,000	175,000	853,719
H2:	203	City Hall Parking Lot Rehabilitation	В	-		20,937		300,000		320,937	-	-	-	-	320,937
ў H2:	101	Annual Street Program	В	1,586,738		-		-		-	-	-	-	-	-
5 H2:	102	ADA Accessibility Transition Plan	С	159,736		-		-		-	-	-	-	-	-
E H20	002	ADA Accessibility Transition Plan	С	-		-		-		-	-	-	-	-	-
H19	902	ADA Accessibility Transition Plan	С	-		-		-		-	-	-	-	-	-
H19	903	Skid Steer Purchase	Α	-		-		-		-	-	75,000	-	-	75,000
H18	802	ADA Accessibility Transition Plan	С	-		-		-		-	-	-	-	-	-
J H1!	503	Newark Transportation Plan Implementation	Α	15,000		50,000		25,000		75,000	75,000	80,000	80,000	75,000	385,000
л HE	QSF	Equipment Replacement Program	В	196,000		156,133		153,867		310,000	635,000	350,000	150,000	-	1,445,000
T22	201	Survey Equipment Purchase	Α	-		-		25,000		25,000	-	-	-	-	25,000
TEC	QSF	Equipment Replacement Program	В		_				_		 35,000	 -	 50,000	 	 85,000
T	Total Gen	neral Fund - Refuse, Street and Engineering Divisions		\$ 2,243,164	\$	1,542,798	\$	1,372,092	\$	2,914,890	\$ 2,904,357	\$ 3,095,000	\$ 3,200,000	\$ 2,695,000	\$ 14,809,247
PL/	ANNED	FINANCING SOURCES													
		GROSS CAPITAL IMPROVEMENTS		\$ 2,243,164	\$	1,542,798	\$	1,372,092	\$	2,914,890	\$ 2,904,357	\$ 3,095,000	\$ 3,200,000	\$ 2,695,000	\$ 14,809,247
		LESS: USE OF RESERVES		-		(309,696)		-		(309,696)	-	-	-	-	(309,696)
		VEHICLE & EQUIPMENT REPLACEMENT		(381,535)		(307,908)		-		(307,908)	(522,308)	(632,299)	(601,688)	(193,963)	(2,258,166)
		GRANTS		(1,166,486)		(637,016)		-		(637,016)	(637,916)	(660,000)	(660,000)	(610,000)	(3,204,932)
		BOND ISSUES		(459,988)		(138,178)		-		(138,178)	-	-	-	-	(138,178)
		AMERICAN RESCUE PLAN ACT		-		-		-		-	-	-	-	-	(138,178)
		OTHER FINANCING SOURCES		(120,000)	_	(150,000)			_	(150,000)	 (60,000)	 (60,000)	 (60,000)	 (60,000)	 (390,000)
		NET CAPITAL IMPROVEMENTS		\$ 115,155	\$	-	\$	1,372,092	\$	1,372,092	\$ 1,684,133	\$ 1,742,701	\$ 1,878,312	\$ 1,831,037	\$ 8,370,097

^{*} Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

PROJECT NO: R2201

RZZUI

PROJECT TITLE: Roll Off Dumpster Purchase

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2022 2023 2025 2026 **Total 5 Year** New Funding: 20,000 20,000 20,000 60.000 *Prior Authorized Balance: \$ 60,000 2022-2026 Funding: \$ 20,000 \$ 20,000 \$ 20,000 \$

PROJECT STATUS: New Project

CAPITAL BUDGET - PROJECT DETAIL								
DEPARTMENT:	PWWR							
DIVISION:	Refuse							
FUND:	Capital Projects							
PROJECT LOCATION:	Field Operations Complex (FOC)							
PROJECT PRIORITY:	3 - Medium-High							
	g a calculated risk in the deferral of this item							
COMPDELIENCIVE DEVE	LODATRIT DI ANNUNIO VICIONI FI FRAFRIT.							

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:
Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

§ 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:	\$ 60,000
Est. Spend @ 12/31/2021 (if underway) :	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 60,000

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	\$	60,000							
Other Contracts:		\$	-							
TOTAL PRO	DJECT COST	\$	60,000							

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.

				PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE O	F FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCE	:S	-	-	-	\$ -	20,000	20,000	20,000	-	-	\$ 60,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLAC	EMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LO	DAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE F	PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ 60,000
= ()				RATING IMPACT		2022	2023	2024	2025	2026	TOTAL
OPERATING /	MAINTAINING PROJECT OF	R ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	_	_	_	_	_	ς _

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PROJECT NO: REQSF

PROJECT TITLE: Equipment Replacement Program **FUNDING SUMMARY:** New Funding: *Prior Authorized Balance: 2022-2026 Funding:

Total 5 Year 600,000 250,000 200,000 600,000 300,000 \$ 1,950,000 200,000 \$ 300,000 \$ 1,950,000 250,000 600,000 \$ 600,000

2025

2026

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 1,935,690
Est. Spend @ 12/31/2021 (if underway):	\$ 285,690
% Complete (if underway):	14.8%
Balance to be funded :	\$ 1,650,000

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:		\$	1							
Materials:		\$	-							
Other Contracts:	3063026.9623	\$	1,650,000							
TOTAL PRO	DJECT COST	\$	1,650,000							

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.

2022

Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2022-2026).

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	I Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	98,225	83,852	129,686	135,790	106,037	\$ 553,590
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	285,690	30,000	255,690	\$ -	151,775	116,148	470,314	464,210	193,963	\$ 1,396,410
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	1	-	1	\$ -
BOND ISSUES	-	-	-	\$ -	1	-	1	-	1	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	1	-	1	-	1	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	ı	-	ı	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	1	-	1	\$ -
TOTAL:	\$ 285,690	\$ 30,000	\$ 255,690	\$ -	\$ 250,000	\$ 200,000	\$ 600,000	\$ 600,000	\$ 300,000	\$ 1,950,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR	ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION

VEHICLE		ALT FUEL	PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		R F P I A	CEMENT	COSTS	
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020		LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2026
	B.F. 105 00 11 F.F. 10 11														
	REFUSE COLLECTION		/ /				_								
409	2006 Int'l 7400 26CY One-Man Packer		09/12/05	146,659	88,756	65,000	8	2013		146,659					
410	2015 Peterbuilt 320 Cabover Tractor/Trailer	a.	11/30/14	285,690	60,551	65,000	8	2021	2021	285,690			******************		
411	2016 Freightliner M2 Class 8		05/26/16	232,105	51,194	65,000	8	2024	2025	232,105			***************************************	300,000	
418	2018 Peterbuilt 348, 6x4 Chassis		02/07/18	193,963	24,711	65,000	8	2026	2026	193,963					300,000
423	2009 Int'l 7400 Rear Loader		06/11/09	151,775	81,244	85,000	8	2017	2022	151,775	250,000				
453	2016 Freightliner M2 Class 8		05/26/16	232,105	46,642	75,000	8	2024	2025	232,105				300,000	
454	2016 Freightliner M2 Class 8		01/07/16	235,157	56,058	65,000	8	2024	2024	235,157			300,000		
456	2016 Freightliner M2 Class 8		01/07/16	235,157	51,476	65,000	8	2024	2024	235,157			300,000		
	SPECIAL COLLECTION														
440	2011 Freightliner Knuckleboom M2-106		06/17/11	116,148	44,169	100,000	10	2021	2023	116,148		200,000			
441	1997 Int'l Knuckleboom	b.	12/31/96	67,190	109,886					67,190					
			, - ,	. ,	,					, , , , ,		-			
TOTAL REFU	JSE DIVISION						GROSS ACC	QUISITION C	OST		\$ 250,000	\$ 200,000	\$ 600,000	\$ 600,000	\$ 300,000
							LESS: USE	OF CAPITA	RESERVES		-	-	-	-	-
ä	a. This vehicle is scheduled to be replaced in 2021.						LESS: USE	OF CURREN	IT RESOURC	ES	(98,225)	(83,852)	(129,686)	(135,790)	(106,037)
1	o. This vehicle will not be replaced.						NET EQUIP	MENT SINK	ING FUND T	OTAL	\$ 151,775	\$ 116,148	\$ 470,314	\$ 464,210	\$ 193,963

NEWARK

PROJECT NO: H2201

PROJECT TITLE: Annual Street Program

FUNDING SUMMARY:	SUMMARY: 2022		2023 2024			2025			2026	Total 5 Year	
New Funding:	\$	1,462,916	\$ 1,772,916	\$	1,795,000	\$	2,145,000	\$	2,145,000	\$	9,320,832
*Prior Authorized Balance:	\$	288,759	\$ -	\$	-	\$	-	\$	-	\$	288,759
2022-2026 Funding:	\$	1,751,675	\$ 1,772,916	\$	1,795,000	\$	2,145,000	\$	2,145,000	\$	9,609,591

PROJECT STATUS: Reoccurring (with no end date)

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 DEV	ELOPMENT 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:	\$ 9,609,591
Est. Spend @ 12/31/2021 (if underway) :	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 9,609,591

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	AMOUN								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	3063006.9960	\$	9,609,591							
TOTAL PRO	DJECT COST	\$	9,609,591							

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."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION

REFERENDUM PROJECT

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.

2021 Update: 2020 work was postponed and all current and reserve funding was moved to 2022. MSA, Bond Issues, and CTF funding was moved to 2021. Email confirmation that MSA and CTF can be rolled up to 3 years to allow for larger projects. Need to confirm if Bond/Loans will still be used or if we will eliminate that funding and lower the total available funding.

2022 Slight increase in MSA, start with 1.5mm

2022 Update: Possible automated pavement conditions study to reduce the subjectivity in the assessment.

*Please note 2022 "Other" funding is being budgeted conservatively at \$150,000. Legislators are aiming for up to \$250,000 in funding to be made available to the City of Newark for 2022.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	750,000	1,150,000	1,150,000	1,500,000	1,500,000	\$ 6,050,000
CAPITAL RESERVES	-	-	-	\$ -	288,759	-	-	-	-	\$ 288,759
EQUIPMENT REPLACEMENT	_	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS MSA (Updated 2018)	-	ı	-	\$ -	562,916	562,916	585,000	585,000	585,000	\$ 2,880,832
BOND ISSUES	-	·	-	\$ -	-	-	1	1	-	\$ -
STATE REVOLVING LOAN	-	·	-	\$ -	-	-	1	1	-	\$ -
AMERICAN RESCUE PLAN ACT	-	·	-	\$ -	-	-	1	1	-	\$ -
OTHER CTF	-	-	-	\$ -	150,000	60,000	60,000	60,000	60,000	\$ 390,000
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 1,751,675	\$ 1,772,916	\$ 1,795,000	\$ 2,145,000	\$ 2,145,000	\$ 9,609,591
§ 806.1(4) ESTIMATED ANNUAL COST OF	§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR AS	OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)			-	-	-	-	-	\$ -	

PROJECT NO: H2202

PROJECT TITLE:

ADA Accessibility Transition Plan

FUNDING SUMMARY: New Funding: *Prior Authorized Balance

162.278 166.441 2022-2026 Funding: \$ 162,278 166,441

2022

175,000

175,000

2025

175,000 175.000 \$ 853.719 853,719 175.000 175.000

Total 5 Year

2026

PROJECT STATUS: New Project

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:	2009						
Est. Completion Date:	2026						
Est. Useful Life (in years):	20						
Est. Total Cost:	\$ 853,719						
Est. Spend @ 12/31/2021 (if underway):	\$ -						
% Complete (if underway):	0.0%						
Balance to be funded¹:	\$ 853,719						

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		AMOUNT						
Labor:	3063006.9820	\$	4,124					
Materials:	1191196.9621	\$	168,930					
Other Contracts:	3063006.9760	\$	680,665					
TOTAL PRO	JECT COST	\$	853,719					

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.

As of July 1, 2021, the City of Newark Handicapped Ramp count is shown below:

- •ADA Compliant Ramps 1554
- •Non-ADA Compliant Ramps 221
- •Total Number of Ramps 1775
- •Locations in need of a Ramp 2

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.

*Please note, capitalized personnel figures were included with the 2020 figure.

	PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF	FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES)	-	-	-	\$ -	-	141,441	150,000	150,000	150,000	\$ 591,441
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACE	MENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	CDBG	-	-	-	\$ -	24,100	25,000	25,000	25,000	25,000	\$ 124,100
BOND ISSUES		-	-	-	\$ -	138,178	-	1	-	-	\$ 138,178
STATE REVOLVING LO	AN	-	-	-	\$ -	-	-	1	-	-	\$ -
AMERICAN RESCUE PL	_AN ACT	-	-	-	\$ -	-	-	1	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 162,278	\$ 166,441	\$ 175,000	\$ 175,000	\$ 175,000	\$ 853,719
§ 806.1(4) I	ESTIMATED ANNUAL COS	T OF	ОРЕ	RATING IMPACT	T:	2022	2023	2024	2025	2026	TOTAL
OPERATING / N	MAINTAINING PROJECT O	R ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	_	_	_	_	_	\$ -

2022

NEWARK

PROJECT NO: H2203

PROJECT TITLE: City Hall Parking Lot Rehabilitation

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

 : \$ 300,000
 \$ - \$ - \$ - \$ 300,000

 : \$ 20,937
 \$ - \$ - \$ - \$ - \$ 20,937

 : \$ 320,937
 \$ - \$ - \$ - \$ - \$ 320,937

2025

2026

Total 5 Year

PROJECT STATUS: New Project

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

Inclusive Community

§ 806.1(3) SUMMARY OF PROJECT DATA							
First Year in Program:	2022						
Est. Completion Date:	2022						
Est. Useful Life (in years):	20						
Est. Total Cost:	\$ 320,937						
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ -						
% Complete (if underway):	0.0%						
Balance to be funded¹:	\$ 320,937						

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		AMOUNT					
Labor:	3063006.9820	\$	50,000				
Materials:	3063006.9622	\$	270,937				
Other Contracts:		\$	-				
TOTAL PRO	JECT COST	\$	320,937				

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**:

2023

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.

Please note, in 2021 \$20,937 in prior authorized reserves was transferred from H0206 to H2203.

PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF FUNDS:		Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	300,000	-	-	-	-	\$ 300,000
CAPITAL RESERVES		20,937	-	-	\$ 20,937	20,937	-	-	-	-	\$ 20,937
EQUIPMENT REPLACEMENT		-	ı	-	\$ -	-	-	1	-	-	\$ -
GRANTS (SP	ECIFY)	-	ı	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES		-	ı	-	\$ -	-	-	1	-	-	\$ -
STATE REVOLVING LOAN		-	ı	-	\$ -	-	-	1	-	-	\$ -
AMERICAN RESCUE PLAN ACT		-	ı	-	\$ -	-	-	1	-	-	\$ -
OTHER (SP	ECIFY)	-	ı	-	\$ -	-	-	1	-	-	\$ -
TOTAL:		\$ 20,937	\$ -	\$ -	\$ 20,937	\$ 320,937	\$ -	\$ -	\$ -	\$ -	\$ 320,937
§ 806.1(4) ESTIMATE	§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:					2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAIN	OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

Newark

PROJECT NO: H2101

PROJECT TITLE: Annual Street Program

FUNDING SUMMARY:	2022		2023	2024	2025	2026	Total 5 Year
New Funding:	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$	-	\$ -	\$ -	\$ -	\$ -	\$ -
2022-2026 Funding:	\$	•	\$ -	\$ -	\$ -	\$ -	\$ -

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 1,586,738
Est. Spend @ 12/31/2021 (if underway) :	\$ 1,586,738
% Complete (if underway):	100.0%
Balance to be funded¹:	\$ -

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		AMOUNT					
Labor:		\$	-				
Materials:		\$	-				
Other Contracts:		\$	-				
TOTAL PRO	\$	-					

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

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

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.

*Please note, capitalized personnel figures were included with the 2020 figure.

maintain our current roadway conditions.

*PRIOR AUTHORIZED "OTHER" FUNDING WAS AMENDED FROM \$150,000 DOWN TO \$60,000 DUE TO ACTUAL FUNDING FROM LEGISLATORS

2021 Update: 2020 work was postponed and all current and reserve funding was moved to 2022. MSA, Bond Issues, and CTF funding was moved to 2021. Email confirmation that MSA and CTF can be rolled up to 3 years to allow for larger projects. Need to confirm if Bond/Loans will still be used or if we will eliminate that funding and lower the total available funding.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	1	\$ -	1	-	-	-	-	\$ -
GRANTS MSA (Updated 2018)	1,141,486	-	1,141,486	\$ -	1	1	1	-	1	\$ -
BOND ISSUES	325,252	59,750	265,502	\$ -	ı	-	1	-	1	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	1	\$ -	-	-	-	-	-	\$ -
OTHER CTF	120,000	-	120,000	\$ -	-	1	-	-	-	\$ -
TOTAL:	\$ 1,586,738	\$ 59,750	\$ 1,526,988	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF		OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

NEWARK

PROJECT NO: H2102

PROJECT TITLE: ADA Accessibility Transition Plan

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

2022 2023 2024 2025 2026 Total 5 Year

(\$\frac{1}{5} - \frac{1}{5} - \fr

PROJECT STATUS: In Progress (with end date)

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:				
	Inclusive Community			

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2009					
Est. Completion Date:	2021					
Est. Useful Life (in years):	20					
Est. Total Cost:	\$ 159,736					
Est. Spend @ 12/31/2021 (if underway) :	\$ 159,736					
% Complete (if underway):	100.0%					
Balance to be funded :	\$ -					

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 PRO	\$	-					

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.

As of July 1, 2020, the City of Newark Handicapped Ramp count is shown below:

- ADA Compliant Ramps 1509
- Non-ADA Complaint Ramps 264
- Total Ramps 1773
- Locations that need ramps 4

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.

*Please note, capitalized personnel figures were included with the 2020 figure.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	1	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS CDBG	25,000	742	24,258	\$ -	-	T	1	1	1	\$ -
BOND ISSUES	134,736	-	134,736	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 159,736	\$ 742	\$ 158,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

PROJECT NO:

H2002

PROJECT TITLE:

ADA Accessibility Transition Plan

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY: 2023 2025 2026 **Total 5 Year** New Funding: \$ *Prior Authorized Balance: 2022-2026 Funding: \$

PROJECT STATUS: In Progress (with end date)

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

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:		2020				
Est. Completion Date:		2021				
Est. Useful Life (in years):		20				
Est. Total Cost:	\$	135,737				
Est. Spend @ 12/31/2021 (if underway):	\$	135,737				
% Complete (if underway):		100.0%				
Balance to be funded¹:	\$	-				

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 PRO	\$	-					

² Council is not required to authorize budget year funding for this portion, but

	Charter § 806.1(2) DESCRIPTION & JUSTIFICATION
ADA Accessibility Transition Plan from 2020.	

this portion of the project will indeed represent a cash outflow in year and/or "out years."										
PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	798	-	\$ (798)	1	-	-	-	-	\$ -
CAPITAL RESERVES	(333)	-	-	\$ (333)	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	131,395	131,395	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	_	-	-	\$ -	1	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 131,062	\$ 132,193	\$ -	\$ (1,131)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

*Prior Authorized Balance includes 2021 carryover funding only. **PROJECT NO:** H1902 **FUNDING SUMMARY:**

ADA Accessibility Transition Plan

*Prior Authorized Balance: 2022-2026 Funding: \$

2023 2025 2026 **Total 5 Year** New Funding: \$ \$

PROJECT STATUS: In Progress (with end date)

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

PROJECT TITLE:

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2019					
Est. Completion Date:	2021					
Est. Useful Life (in years):	20					
Est. Total Cost:	\$ 128,150					
Est. Spend @ 12/31/2021 (if underway):	\$ 128,150					
% Complete (if underway):	100.0%					
Balance to be funded¹:	\$ -					

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 PRO	\$	-				

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 9 606.1(2) DESCRIPTION & JUSTIFICATION
NDA Accessibility Transition Plan from 2019	

	PROJECT FINANCING BY PLAN YEAR									
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	(106,708)	ı	-	\$ (106,708)	-	-	1	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	-	1	-	-	\$ -
GRANTS (SPECIFY)	-	I	=	\$ -	1	-	T	-	-	\$ -
BOND ISSUES	128,150	21,442	-	\$ 106,708	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 21,442	\$ 21,442	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF	§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

NEWARK

PROJECT NO: H1903

PROJECT TITLE: Skid Steer Purchase

FUNDING SUMMARY:	2022		2023	2024	2025	2026		Tot	al 5 Year
New Funding:	\$	- \$	-	\$ 75,000	\$ -	\$	-	\$	75,000
*Prior Authorized Balance:	\$	- \$	-	\$ -	\$ -	\$	-	\$	-
2022-2026 Funding:	\$	- \$	-	\$ 75,000	\$ -	\$	-	\$	75,000

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL					
DEPARTMENT:	PWWR				
DIVISION:	Street				
FUND:	Capital Projects				
PROJECT LOCATION:	Field Operations Complex (FOC)				
PROJECT PRIORITY:	3 - Medium-High				
,	g a calculated risk in the deferral of this item				
COMPREHENSIVE DEVE	ELOPMENT 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 @ 12/31/2021 (if underway) :	\$ -				
% Complete (if underway):	0.0%				
Balance to be funded¹:	\$ 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		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."

UPDATED FOR 2021 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.

2022 update - may be able to slide depending on existing equipment condition

				PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FU	NDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	-	-	75,000	-		\$ 75,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEME	NT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN	ACT	-	-	-	\$ -	-	-	-	1	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000
§ 806.1(4) EST I	MATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAI	NTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	750	750	\$ 1,500

PROJECT NO: H1802
PROJECT TITLE: ADA Acc

ADA Accessibility Transition Plan

ivew i	un
*Prior Authorized I	Bala
2022-2026 F	un

FUNDING SUMMARY:

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL						
DEPARTMENT:	PWWR					
DIVISION:	Street					
FUND:	Capital Projects					
PROJECT LOCATION:	Various					
PROJECT PRIORITY:	1 - Highest Priority Level					
Project und	erway and must be completed					
COMPREHENSIVE DEVE	LOPMENT PLANNING VISION ELEMENT:					
	Inclusive Community					

§ 806.1(3) SUMMARY OF PROJECT DATA						
First Year in Program:	2018					
Est. Completion Date:	2021					
Est. Useful Life (in years):	20					
Est. Total Cost:	\$ 54,371					
Est. Spend @ 12/31/2021 (if underway):	\$ 54,371					
% Complete (if underway):	100.0%					
Balance to be funded¹:	\$ -					

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 PRO	\$	-				

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 9 806.1(2) DESCRIPTION & JUSTIFICATIO
ADA Accessibility Transition Plan from 2018.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	54,371	11,308	43,063	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	-	1	-	-	\$ -
GRANTS (SPECIFY)	-	ı	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	-	1	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$ -	1	-	1	-	1	\$ -
AMERICAN RESCUE PLAN ACT	-	ı	-	\$ -	1	-	1	-	1	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 54,371	\$ 11,308	\$ 43,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2022	2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

PROJECT NO: PROJECT TITLE:

H1503

Newark Transportation Plan

Implementation

PROJECT STATUS: In Progress (with end date)

*Prior Authorized Balance includes 2021 carryover funding only.

FUNDING SUMMARY:		2022	2023	2024	2025	2026	Т	otal 5 Year
New Funding:	\$	75,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 75,000	\$	385,000
*Prior Authorized Balance:	\$	-	\$ -	\$ -	\$ -	\$ -	\$	-
2022-2026 Funding:	\$	75,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 75,000	\$	385,000

Charter §	806.1	2	DESCRIPTION	& JUSTIFICATION	ON:
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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.

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

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 likely to be completed in 2021.

2022 update: A grant was awarded to Newark to study the Wyoming Road corridor and provide recommendation for upgrades, which would be implemented with future funding.

*Please note, \$15,000 in Grant funding was received from the Delaware Bicycle Council and added to this project in 2021.

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

Healthy & Active Community

§ 806.1(3) SUMMARY OF PROJECT DATA									
First Year in Program:		2015							
Est. Completion Date:		2025							
Est. Useful Life (in years):		20							
Est. Total Cost:	\$	1,515,759							
Est. Spend @ 12/31/2021 (if underway):	\$	1,130,759							
% Complete (if underway):		74.6%							
Balance to be funded:	\$	385,000							

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

PROJECT COST BY CATEGORY									
CLASSIFICATION	ACCOUNT NUMBER		AMOUNT						
Labor:		\$	-						
Materials:		\$	-						
Other Contracts:	3063006.9760	\$	385,000						
TOTAL PRO	DJECT COST	\$	385,000						

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."

			ANCING BY PLA	IN YEAR						
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	25,000	25,000	30,000	30,000	75,000	\$ 185,000
CAPITAL RESERVES	111,759	-	111,759	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	1	-	-	\$ -	-	-	-	1	-	\$ -
GRANTS Delaware Bicycle Council, etc.	15,000	-	15,000	\$ -	50,000	50,000	50,000	50,000	-	\$ 200,000
BOND ISSUES	-	-	-	\$ -	-	-	-	1	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	1	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	1	-	\$ -
OTHER DelDOT	-	-	-	\$ -	-	-	1	1	-	\$ -
TOTAL:	\$ 126,759	\$ -	\$ 126,759	\$ -	\$ 75,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 75,000	\$ 385,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:						2023	2024	2025	2026	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	-	-	-	-	-	\$ -				

PROJECT NO: HEQSF PROJECT TITLE:

Equipment Replacement Program

New Funding: *Prior Authorized Balance: 2022-2026 Funding: \$

FUNDING SUMMARY:

310,000 635,000 350,000 150,000 \$ 1,445,000 \$ 635,000 150,000 \$ 1,445,000 310,000 \$ 350,000

2025

2026

Total 5 Year

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	\$ 1,972,000
Est. Spend @ 12/31/2021 (if underway) ¹ :	\$ 527,000
% Complete (if underway):	26.7%
Balance to be funded¹:	\$ 1,445,000

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	\$	1,445,000						
TOTAL PRO	JECT COST	\$	1,445,000						

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.

2022

Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2022-2026).

PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF FUNDS:		Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		100,155	80,120	20,035	\$ -	153,867	250,646	188,015	43,500	-	\$ 636,028
CAPITAL RESERVES		-	-	-	\$ -					-	\$ -
EQUIPMENT REPLACEMENT	•	95,845	95,845	-	\$ -	156,133	384,354	161,985	106,500	-	\$ 808,972
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	1	-	1	\$ -
BOND ISSUES		336,653	336,653	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN AG	CT	-	-	-	\$ -	-	-	1	-	1	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ 532,653	\$ 512,618	\$ 20,035	\$ -	\$ 310,000	\$ 635,000	\$ 350,000	\$ 150,000	\$ -	\$ 1,445,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:					2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)						-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION

VEI	HICLE		ALT FUEL	PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		D.F.D.L.A	CEMENT	COSTS	
	MBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2026
			V 2			3,00,2020	711 112.2						2020			2020
		FOREMAN'S TRUCK														
5	15	2013 Ford F150 Pickup 4x4		06/28/13	19,994	53,391	95,000	10	2023	2023	19,994		45,000			
		SIGNS & PAINTING														
5	551	2012 Ford F450 Stake Truck		01/20/12	50,759	62,085	100,500	8	2020	2022	50,759	60,000				
		But to Touris														
-	522	DUMP TRUCKS 2015 Ford F650		07/31/15	100 500	13,713	75,000	10	2025	2025	106,500				150,000	
	523	2013 Ford F650 2012 Int'l 7400 SBA		10/14/11	106,500 161,985	24,942	75,000 75,000	7	2025	2023	161,985		260,000		150,000	
	642	2017 Ford F350 Super Duty/Dump Body		11/27/17	53,746	6,796	85,000	10	2018	2023	53,746		200,000			
			_		,		•				,					
	550	2004 Int'l 7400 Dump Truck	a	. 11/21/03	95,845	72,727	75,000	10	2013	2021	95,845			250.000		
	553	2013 Int'l 7400 Dump Truck/Swap Loader	С	. 03/28/13	161,985	22,220	80,000	10	2023	2024	161,985			350,000		
5	554	2004 Int'l 7400 Dump Truck		11/21/03	95,845	74,209	60,000	10	2013	2022	95,845	225,000				
		OTHER EQUIPMENT														
5	02	1984 Ingersoll Air Compressor		02/13/85	9,529					2022	9,529	25,000				
5	808	2000 Tarco Windy 400 Vac Leaf Loader	d	. 12/15/00	35,200						-					
5	09	2001 Tarco Windy 400 Vac Leaf Loader	d	. 07/13/01	35,200						-					
5	510	2000 Tarco Windy 400 Vac Leaf Loader	a	. 02/20/98	34,689			12	2010	2021	34,689					
5	511	2013 Case 590 SM Loader/Backhoe 4x4		01/07/14	92,375	53,859		9	2023	2023	92,375		150,000			
5	525	2011 ODB Leaf Machine 20CY		10/14/11	55,000	25,026		7	2018	2023	55,000		90,000			
5	527	2013 ODB Leaf Loader 20CY		03/28/13	55,000			10	2023	2023	55,000		90,000			
5	31	2018 Case 621G Wheel Loader		06/01/18	165,031	1,077		10	2018	2028	165,031					
TOTA	AL STREE	T DIVISION						GROSS ACC	QUISITION C	OST		\$ 310,000	\$ 635,000	\$ 350.000	\$ 150.000	\$ -
									OF CAPITAL			-	-	-	-	-
	а	This vehicle is scheduled to be replaced in 2021.							OF CURREN		ES	(153,867)	(250,646)	(188,015)	(43,500)	_
		This vehicle is the second swaploader - funds from 508 and	1509						MENT SINKI			\$ 156,133	\$ 384,354	\$ 161,985	\$ 106,500	\$ -

- c. This vehicle is the second swaploader funds from 508 and 50 (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)

					MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEHICLE		ALT FUEL	PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		LEASE	PAYMENT	SCHEDULE	
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024	2025	2026
528	2002 Int'l 4900 Dump Truck		a. 08/31/01	88,107	60,429	100,000	10	2011	2021	88,107					

*Prior Authorized Balance includes 2021 carryover funding only. **PROJECT NO:** T2201 FUI

PROJECT TITLE:

Survey Equipment Purchase

P	RO.	IECT	STATI	JS:	New	Pro	ject
---	-----	------	-------	-----	-----	-----	------

CAPITAL BUDGET - PROJECT DETAIL									
DEPARTMENT:	PWWR								
DIVISION:	Engineering								
FUND:	Capital Projects								
PROJECT LOCATION:	City Hall								
PROJECT PRIORITY:	3 - Medium-High								
	g a calculated risk in the deferral of this item								
COMPREHENSIVE DEVE	LOPMENT PLANNING VISION ELEMENT:								

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2022
Est. Completion Date:	2022
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 25,000
Est. Spend @ 12/31/2021 (if underway):	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 25,000

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		AMOUNT									
Labor:		\$	-								
Materials:	3063006.9760	\$	25,000								
Other Contracts:		\$	-								
TOTAL PRO	JECT COST	\$	25,000								

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."

JNDING SUMMARY:	2022	2023	2024	·	2025	2026	То	tal 5 Year
New Funding:	\$ 25,000	\$ -	\$ -	\$	-	\$ 1	\$	25,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$	-	\$ -	\$	-
2022-2026 Funding:	\$ 25,000	\$ -	\$ -	\$	-	\$ -	\$	25,000

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.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	25,000	-	-	-	-	\$ 25,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	1	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000
§ 806.1(4) ESTIMATED ANNUAL COST	:	2022	2023	2024	2025	2026	TOTAL			
OPERATING / MAINTAINING PROJECT OR	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -		

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PROJECT NO: TEQSF PROJECT TITLE:

Equipment Replacement Program

New Funding: *Prior Authorized Balance 2022-2026 Funding:

FUNDING SUMMARY:

2022	2023	2024	2025	2026	1	otal 5 Year
\$ -	\$ 35,000	\$ 1	\$ 50,000	\$ -	\$	85,000
\$ -	\$ -	\$ -	\$ -	\$ -	\$	
\$ -	\$ 35,000	\$ -	\$ 50,000	\$ -	\$	85,000

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA	
First Year in Program:		Perpetual
Est. Completion Date:		Perpetual
Est. Useful Life (in years):		Various
Est. Total Cost:	\$	85,000
Est. Spend @ 12/31/2021 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$	85,000

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		AMOUNT								
Labor:		\$	-							
Materials:		\$	-							
Other Contracts:	3063026.9623	\$	85,000							
TOTAL PROJECT COST \$ 85,0										

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."

Diagnost advance funding accumulated through	depreciation to replace essential equipment when peress

Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2022-2026).

PROJECT FINANCING BY PLAN YEAR											
§ 806.1(3) SOURCE OF FUNDS:		Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Expenditures	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	-	13,194	-	19,022	-	\$ 32,216
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEM	IENT	-	-	-	\$ -	-	21,806	-	30,978	-	\$ 52,784
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	1	-	-	\$ -
STATE REVOLVING LOA	N	-	-	-	\$ -	-	-	1	-	-	\$ -
AMERICAN RESCUE PLA	N ACT	-	-	-	\$ -	-	-	1	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ 50,000	\$ -	\$ 85,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2022	2023	2024	2025	2026	TOTAL			
OPERATING / MAINTAINING PROJECT OR ASSET		ASSET	INCREMENTAL COSTS (NET SAVINGS)			_	_	_	_	_	\$ _

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CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION

VEHICLE		ALT FUEL	DUDCHASE	DUDGUAGE	MILEAGE	RECOM'D	NORMAL	NORMAL REPL	BUDGET	EQUIPMENT			D F D I A	C F M	NT	C O C T C	
NUMBER	DESCRIPTION	ALT FUEL VEHICLE	PURCHASE DATE	PURCHASE PRICE	AS OF 9/30/2020	MILEAGE AT REPL	YEARS LIFE	YEAR	REPL YEAR	SINKING FUND BASIS	2022		2023	202		C O S T S 2025	2026
NOWIDER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AI KEPL	LIFE	TEAR	TEAR	FUND BASIS	2022		2025	202	<u> </u>	2025	2020
	STAFF VEHICLES																
714	2015 Ford F350 SD Pickup Truck		11/30/14	30,978	17,659	85,000	10	2025	2025	30,978						50,000	
735	2019 Ram 1500 Classic Tradesman		07/26/19	19,024	6,375	80,000	10	2029	2029	19,024							
733	2015 Ruin 1500 classic macsinan		07/20/13	13,024	0,373	00,000	10	2023	2023	15,024							
	INSPECTORS																
700	2019 Chevrolet Equinox AWD		06/07/19	22,122	2,124	65,000	10	2029	2029	22,122							
711	2019 Ram 1500 Classic Tradesman		07/29/19	19,024	4,629	80,000	10	2029	2029	19,024							
748	2017 Ford F150 Pickup Truck		08/04/17	20,832	13,887	60,000	10	2027	2027	20,832							
			,,			,											
	<u>SURVEY VAN</u>																
746	2013 Ford Van Transit Connect		08/30/13	21,806	17,741	99,000	10	2023	2023	21,806			35,000				
			,,	,	,	,				,		_					
TOTAL ENGI	NEERING DIVISION						GROSS ACC	QUISITION C	OST		\$ -	\$	35,000	\$	-	\$ 50,000	\$ -
							LESS: USE	OF CAPITAL	RESERVES		-		-		-	-	
							LESS: USE	OF CURREN	IT RESOURC	ES	-		(13,194)		-	(19,022)	-
							NET EQUIP	MENT SINKI	NG FUND T	OTAL	\$ -	\$	21,806	\$	-	\$ 30,978	\$ -



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT FLEET MAINTENANCE DIVISION

2022 BUDGET DOCUMENTS

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

EXECUTIVE SUMMARY

EXPENDITURE BUDGET					
	FY2021	FY2022	FY2021 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2022 Rec'd	FY2021 Appr'd	Comments
Full-time Wages	296,067	303,600	7,533	2.54%	*Step increases and advancements
Other Wages	 37,195	 43,388	6,193	16.65%	*FY22 increase is largely due to an addition of \$6,000 to line item 6620 (Overtime)
Benefits	174,142	 190,765	16,623	9.55%	*FY22 increase is largely due to increases of \$1,211 to item 6940 (City Pension), \$14,557 to item 6960 (Group Hospitalization), \$569 to item 6962 (Dental Insurance) and \$292 to item 6965 (OPEB).
Personnel Services	\$ 507,404	\$ 537,753	30,349	5.98%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 592,600	\$ 580,100	(12,500)	-2.11%	*FY22 overall decrease of -\$12,500 is due to a reduction of -\$25,000 to line item 7070 (Gasoline, Oil, Coolant, Etc.). This reduction is slightly offset by increase of \$10,000 to item 7060 (Tire & Tire Repair Expense) as well as \$2,500 to item 7130 (Tools, Field Supplies & Small Equipment).
Contractual Services	\$ 271,831	\$ 319,384	47,553	17.49%	*FY22 overall increase is largely due to City-wide allocation changes to our insurance lines impacting our division by \$11,752, plus an overall increase of \$29,601 to item 8312 (Fleet & Facilities Services) which is provided to us via a Finance calculation.
Other - Depreciation	\$ 42,260	\$ 41,343	(917)	-2.17%	*Finance Calculation
Other Expenditures	\$ 1,450	\$ 2,200	750	51.72%	*FY22 increase is due to an addition of \$750 to line item 9070 (Training)
Subtotal:	\$ 1,415,545	\$ 1,480,780	\$ 65,235	4.61%	
Inter-Dept. Charges	\$ 66,472	\$ 119,609	53,137	79.94%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used, Information Technology and Other Indirect Charges
Total Operating Expenses:	\$ 1,482,017	\$ 1,600,389	\$ 118,372	7.99%	
Full-time Positions	4	4	C		*No change from FY2021 to FY2022.

CAPITAL IMPROVEMENT PL	CAPITAL IMPROVEMENT PLAN (CIP)											
Project ID:	Project Description:	Comments										
New projects: M2201	In-Ground Vehicle Lift Replacement	New Project added in 2022-2026 Capital Improvement Program										
Ongoing projects: MEQSF	Equipment Replacement Program	Perpetual Project										



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT FLEET MAINTENANCE DIVISION

2022 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE **2022 OPERATING BUDGET**

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

Summary:

FLEET MAINTENANCE DIVISION - SUMMARY	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET	\$ DIFFERENCE FROM 2021-22
OPERATING EXPENSES							
Personnel Services Materials and Supplies Contractual Services Other Charges	\$ 440,560 592,886 184,774 16,512	\$ 485,615 655,746 198,883 29,370	\$ 509,932 609,132 224,529 19,787	\$ 584,662 486,070 310,772 34,739	\$ 507,404 592,600 271,831 43,710	\$ 537,753 580,100 319,384 43,543	\$ 30,349 (12,500) 47,553 (167)
Subtotal	\$ 1,234,732	\$ 1,369,614	\$ 1,363,380	\$ 1,416,243	\$ 1,415,545	\$ 1,480,780	\$ 65,235
Inter-Dept. Charges	53,335	68,899	113,660	134,256	66,472	119,609	53,137
Total Operating Expenses	\$ 1,288,067	\$ 1,438,513	\$ 1,477,040	\$ 1,550,499	\$ 1,482,017	\$ 1,600,389	\$ 118,372

(DIFFERENCE	% DIFFERENCE
F	ROM 2021-22	FROM 2021-22
\$	30,349	6.0%
	(12,500)	-2.1%
	47,553	17.5%
	(167)	-0.4%
\$	65,235	4.6%
	53,137	79.9%
\$	118,372	8.0%

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

PERSONNEL SER	DNNEL SERVICES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	2021 BUDGET AS AMENDED			2022 BUDGET
6006002	6250	Mechanics	\$ 258,579	\$ 268,173	\$ 280,075	\$ 299,875	\$	296,067	\$	303,600
6006002	6580	Service Award	4,887	5,356	5,831	6,309		6,803		7,388
6006002	6590	Sick Pay	4,334	4,308	4,765	4,669		5,092		5,300
6006002	6620	Overtime	16,222	9,486	6,122	21,042		20,000		26,000
6006002	6880	Uniform Allowance	2,400	2,400	2,400	2,400		2,400		2,400
6006002	6881	Tool Allowance	1,650	1,400	1,400	1,400		1,400		1,400
6006002	6885	Device Reimbursement	-	1,500	1,500	1,500		1,500		900
6006002	6920	Unemployment Comp. Ins.	1,342	1,124	1,147	1,264		1,188		1,188
6006002	6930	Social Security Taxes	22,058	22,273	22,985	25,449		26,011		26,368
6006002	6940	City Pension Plan	57,017	99,393	117,245	154,348		67,639		68,850
6006002	6941	Defined Contribution 401(a) Plan	3,996	4,300	4,762	5,204		5,218		5,322
6006002	6950	Term Life Insurance	1,187	1,286	1,591	1,636		1,676		1,442
6006002	6960	Group Hospitalization Ins.	39,289	40,326	41,602	45,244		46,858		61,415
6006002	6961	Long-Term Disability Ins.	448	486	635	664		685		391
6006002	6962	Dental Insurance	2,450	2,316	2,316	2,388		2,454		3,023
6006002	6964	Health Savings Account	1,500	1,500	1,500	1,500		1,500		1,500
6006002	6965	Post-Employment Benefits	21,691	18,456	12,504	8,136		18,728		19,020
6006002	6966	Retirement Health Savings Account	1,358	1,380	1,400	1,476		1,443		1,464
6006002	6967	Emergency Room Reimbursements	-	-	-	-		580		580
6006002	6968	Vision Insurance Premiums	152	152	152	158		162		202
TOTAL PERSONNI	EL SERVI	CES	\$ 440,560	\$ 485,615	\$ 509,932	\$ 584,662	\$	507,404	\$	537,753

\$ 0	DIFFERENCE	% DIFFERENCE
FRC	M 2021-22	FROM 2021-22
\$	7,533	2.5%
Ş	•	
	585	8.6%
	208	4.1%
	6,000	30.0%
	-	0.0%
	-	0.0%
	(600)	-40.0%
	-	0.0%
	357	1.4%
	1,211	1.8%
	104	2.0%
	(234)	-14.0%
	14,557	31.1%
	(294)	-42.9%
	569	23.2%
	-	0.0%
	292	1.6%
	21	1.5%
	-	0.0%
	40	24.7%
		24.77
\$	30,349	6.0%

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2022 FLEET MAINTENANCE DIVISION

TITLE	UNION AFFILIATION	GRADE	2021 # OF		2021	2022 # OF		2022			\$	%
			POSITIONS	AS	AMENDED	POSITIONS	AS	PROPOSED	DIFFERENCE		DIFFERENCE	CHANGE
FULL TIME POSITIONS												
Senior Mechanic II	AFSCME LOCAL 3919 F/T	15	1.0	\$	81,379	1.0	\$	83,313	0.0	\$	1,934	2.4%
Senior Mechanic	AFSCME LOCAL 3919 F/T	13	1.0	\$	74,316	1.0	\$	76,731	0.0	\$	2,415	3.2%
Mechanic II	AFSCME LOCAL 3919 F/T	11	2.0	\$	140,372	2.0	\$	143,556	0.0	\$	3,184	2.3%
Total Full Time Positions			4.0	\$	296,067	4.0	\$	303,600	0.0	\$	7,533	2.5%
071150												
<u>OTHER</u>				_								
Service Award				Ş	6,803		Ş	7,388		Ş	585	8.6%
Sick Pay				\$	5,092		\$	5,300		\$	208	4.1%
Overtime				\$	20,000		\$	26,000		\$	6,000	30.0%
Uniform Allowance				\$	2,400		\$	2,400		\$	-	0.0%
Tool Allowance				\$	1,400		\$	1,400		\$	-	0.0%
Device Reimbursements				\$	1,500		\$	900		\$	(600)	-40.0%
Total Other				\$	37,195		\$	43,388		\$	6,193	16.7%
Total All			4.0	\$	333,262	4.0	\$	346,988	0.0	\$	13,726	4.1%

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

MATERIALS AN	MATERIALS AND SUPPLIES		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	2020 ACTUAL		2021 BUDGET AS AMENDED		2022 BUDGET
6006003	7020	Heating Fuel	\$	858	\$	-	\$ -	\$	-	\$	-	\$ -
6006003	7060	Tire & Tire Repair Expense		69,351		87,445	83,876		77,416		85,000	95,000
6006003	7070	Gasoline, Oil, Coolant, Etc.		319,010		352,846	317,258		197,019		300,000	275,000
6006003	7110	Safety Shoes and Supplies		1,377		1,296	1,249		1,203		1,200	1,200
6006003	7130	Tools, Field Sup., & Small Eq.		7,029		6,869	5,685		884		5,000	7,500
6006003	7150	Office Supplies		152		440	28		9		400	400
6006003	7230	Janitorial Supplies		-		-	-		39		-	-
6006003	7250	Buildings and Grounds Maint. Supplies		521		-	590		469		-	-
6006003	7300	Machinery & Equip. Maintenance		-		3,460	472		-		1,000	1,000
6006003	7310	Vehicle Maintenance		194,588		203,390	199,974		209,031		200,000	200,000
	•		•	•		•	•			•	•	
TOTAL MATERIAL	S & SUP	PLIES	\$	592,886	\$	655,746	\$ 609,132	\$	486,070	\$	592,600	\$ 580,100

\$ [DIFFERENCE	% DIFFERENCE
FRC	OM 2021-22	FROM 2021-22
\$	-	0.0%
	10,000	11.8%
	(25,000)	-8.3%
	-	0.0%
	2,500	50.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	<u> </u>	0.0%
\$	(12,500)	-2.1%

CONTRACTUAL	ONTRACTUAL SERVICES		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	2020 ACTUAL		2021 BUDGET AS AMENDED		2022 SUDGET
6006004	8030	Casualty Insurance	\$ 6,173	\$	6,049	\$	7,283	\$	7,797	\$	4,382	\$ 6,132
6006004	8031	Insurance - Property	32,065		50,670		45,157		54,411		48,830	55,322
6006004	8032	Insurance - Auto	1,713		3,922		3,383		4,143		2,866	3,248
6006004	8033	Insurance - Broker	3,663		5,191		5,506		5,574		974	952
6006004	8035	Insurance - Worker's Compensation	-		-		10,209		13,476		14,450	17,600
6006004	8050	Phone/Communications	1,476		158		169		190		180	690
6006004	8131	Information Technology Cont'l	8,160		5,824		4,082		5,312		6,142	11,832
6006004	8300	Machinery & Equip. Maintenance	-		242		-		2,800		3,000	3,000
6006004	8310	Vehicle Maintenance	82,515		117,632		74,379		105,525		100,000	100,000
6006004	8311	Vehicle Accidents	2,444		9,082		5,724		27,617		5,000	5,000
6006004	8312	Fleet & Facilities Services	46,250		-		68,604		83,888		86,007	115,608
6006004	8550	Misc. Contracted Services	315		113		33		39		-	-
TOTAL CONTRAC	TUAL SEI	RVICES	\$ 184,774	\$	198,883	\$	224,529	\$	310,772	\$	271,831	\$ 319,384

\$	47,553	17.5%
		0.070
	-	0.0%
	29,601	34.4%
	_	0.0%
	_	0.0%
	-	0.0%
	5,690	92.6%
	510	283.3%
	3,150	21.8%
	(22)	-2.3%
	382	13.3%
	6,492	13.3%
\$	1,750	39.9%
FRO	M 2021-22	FROM 2021-22
\$ D	IFFERENCE	% DIFFERENCE

CITY OF NEWARK, DELAWARE 2022 OPERATING BUDGET

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

Expenditures:

OTHER CHARG	ES		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
6006005	9020	Mileage & Small Bus. Expense	\$ -	\$ 11	\$ -	\$ 15	\$ 200	\$ 200
6006005	9060	Depreciation Expense	14,661	28,156	16,978	34,624	42,260	41,343
6006005	9070	Training & Continuing Educ/Conf	1,851	1,203	2,809	100	1,250	2,000
TOTAL OTHER CI	HARGES		\$ 16,512	\$ 29,370	\$ 19,787	\$ 34,739	\$ 43,710	\$ 43,543

\$ DI	FFERENCE	% DIFFERENCE
FRON	/I 2021-22	FROM 2021-22
\$	-	0.0%
	(917)	-2.2%
	750	60.0%
\$	(167)	-0.4%
		-

INTER-DEPT. CHARGES	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	1 BUDGET AMENDED	2022 BUDGET
Billings and Accounting Electricity	\$ 13,447 9,110	\$ 15,687 12,640	\$ 1,943 71,300	\$ 18,570 71,545	\$ 14,898 11,345	\$ 2,554 72,258
Information Technology Other Indirect Charges	21,663 9,115	21,426 19,146	18,778 21,639	21,796 22,345	20,551 19,678	25,040 19,757
TOTAL INTER-DEPT. CHARGES	\$ 53,335	\$ 68,899	\$ 113,660	\$ 134,256	\$ 66,472	\$ 119,609

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2021-22	FROM 2021-22
\$	(12,344)	-82.9%
	60,913	536.9%
	4,489	21.8%
	79	0.4%
\$	53,137	79.9%

OPERATING EXPENSES - FLEET MAINTENANCE DIVISION	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 ACTUAL	21 BUDGET S AMENDED	2022 BUDGET
TOTAL OPERATING EXPENSES	\$ 1,288,067	\$ 1,438,513	\$ 1,477,040	\$ 1,550,499	\$ 1,482,017	\$ 1,600,389

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2021-22	FROM 2021-22
\$	118,372	8.0%
		•



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT FLEET MAINTENANCE DIVISION

2022-2026 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2022-2026

(with current year amended budget)

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

*Prior Authorized Balance:

New Funding:

2022-2026 Funding:

2022

130,000

FUNDING

2024

2023

SUMMARY

2026

60,000

60,000

Total 5 Year

190,000

190,000

2025

									*Prior	Authorized Ba	alance in	cludes 2021 ca	arryover	funding only.				_	
PROJECT NUMBER	PROJECT NAME	*	20: BUD AS AM	GET	RESERV	20 VES AND FUNDING	CI	JRRENT JNDING		2022		2023		2024		2025		2026	TOTAL
M2201 MEQSF	In-Ground Vehicle Lift Replacement Equipment Replacement Program	D B	\$	<u>-</u>	\$	- -	\$	130,000	\$	130,000	\$	-	\$	-	\$	-	\$	60,000	\$ 130,000 60,000
Total M	intenance Fund - Fleet Maintenance Division		\$		\$	-	\$	130,000	\$	130,000	\$	-	\$	-	\$	-	\$	-	\$ 130,000
PLANNED	FINANCING SOURCES																		
	GROSS CAPITAL IMPROVEMENTS LESS: USE OF RESERVES		\$	-	\$	-	\$	130,000	\$	130,000	\$	-	\$	-	\$	-	\$	-	\$ 130,000
	VEHICLE & EQUIPMENT REPLACEMENT GRANTS			- -		-		-		-		-		-		-		(35,388)	(35,388) -
	BOND ISSUES AMERICAN RESCUE PLAN ACT			-		-				-		-		-		-		-	-
	OTHER FINANCING SOURCES NET CAPITAL IMPROVEMENTS		<u> </u>		<u> </u>	-	<u> </u>	130,000		130,000	<u> </u>	<u>-</u>	<u> </u>	<u>-</u>	<u> </u>	<u>-</u>	<u> </u>	(35,388)	 94,612

^{*} Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

*Prior Authorized Balance includes 2021 carryover funding only. 2022 2023 2024

2025

2026

\$

Total 5 Year

130.000

130,000

NEWARK

PROJECT NO: M2201
PROJECT TITLE: In-Grour

PROJECT STATUS: Reoccurring (with no end date)

In-Ground Vehicle Lift Replacement

FUNDING SUMMARY:

New Funding:

*Prior Authorized Balance:

2022-2026 Funding:

\$

\$ 130,000 \$ - \$ \$ - \$ - \$ \$ 130,000 \$ - \$

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2022
Est. Completion Date:	2022
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 130,000
Est. Spend @ 12/31/2020 (if underway):	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 130,000

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

PROJE	CT COST BY CATEGORY	
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	6006016.9622	\$ 130,000
TOTAL PRO	DJECT 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."

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 taking place in 2022.

§ 806.1(3) SOURCE OF	F FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES	S	-	-	-	\$ -	130,000	-	-	-	-	\$ 130,000
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACE	EMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LC	DAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE P	PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ 130,000
- ()	ESTIMATED ANNUAL CO			RATING IMPACT		2022	2023	2024	2025	2026	TOTAL
OPERATING / I	MAINTAINING PROJECT (OR ASSET	INCREMENT	AL COSTS (NET S	SAVINGS)	_	_	_	_	_	\$ -

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*Prior Authorized Balance includes 2021 carryover funding only.

MEQSF PROJECT TITLE:

Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end dat	ROJECT STATUS:	Reoccurring	(with no	end date
--	----------------	-------------	----------	----------

FUNDING SUMMARY:	2022	2023	2024	2025	2026	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 60,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2022-2026 Funding:	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 60,000

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

PROJECT NO:

§ 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:	\$ 60,000
Est. Spend @ 12/31/2020 (if underway):	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 60,000

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	\$	60,000					
TOTAL PRO	\$	60,000						

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 (2022-2026).

				PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) SOURCE OF FUN	NDS:	Prior Authorized ²	Actual Funds Utilized as of 03/31/21	Estimated Expenditures 04/01/21 - 12/31/21	Estimated Authorized Balance ² 12/31/21	2022	2023	2024	2025	2026	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	\$ -	-	-	-	-	24,612	\$ 24,612
CAPITAL RESERVES		-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMEN	NT	-	-	-	\$ -	-	-	-	-	35,388	\$ 35,388
GRANTS	(SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN	ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER	(SPECIFY)	-	-	-	\$ -	-	-	-	-	1	\$ -
TOTAL:		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 60,000
§ 806.1(4) ESTI	§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2022	2023	2024	2025	2026	TOTAL	
OPERATING / MAIN	NTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

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CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2022-2026 MAINTENANCE FUND (FLEET MAINTENANCE AND FACILITIES MAINTENANCE DIVISIONS)

VEHICLE		ALT FUEL	PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		DEDI	ACEMEN	T CO	C T C	
NUMBER	DESCRIPTION	VEHICLE	DATE	PRICE	9/30/2020	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2022	2023	2024		2025	2026
	TENANCE DIVISION:		00/20/40	20.000	4.052	00.000	10	2020	2020	20.000						
650 652	2019 Ford F350 Dual Wheel 4X2 2016 Ford F350 Super Duty Pickup Truck		08/29/19 11/05/15	39,969 35,388	4,853 21,241	89,000 75,000	10 10	2029 2026	2029 2026	39,969 35,388						60,000
TOTAL FLEE	T MAINTENANCE DIVISION										-			<u>-</u> _	-	60,000
FACILITIES N	MAINTENANCE DIVISION:															
641 642	2004 Ford E250 Van 2016 Ford F250 Pickup Truck 4x4	EV - Proposed	07/08/04 01/22/16	14,196 23,535	68,298 11,967	64,000 70,000	12 12	2016 2028	2022 2028	14,196 23,535	50,000					
TOTAL FACI	LITIES MAINTENANCE DIVISION										50,000			<u> </u>		
TOTAL MAIN	NTENANCE FUND						GROSS ACC	QUISITION C	OST		\$ 50,000	\$ -	\$	- \$	-	\$ 60,000
					_			OF CAPITAL OF CURREN			(35,804)	-		-	-	(24,612)
							NET EQUIP	MENT SINKI	NG FUND T	OTAL	\$ 14,196	\$ -	\$	- \$	-	\$ 35,388



PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

APPENDICES

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	+/- Prior Year Description
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,700.00	2,625.00	(1,075.00) AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Bluebeam Revu	Annual	-	1,198.00	1,198.00 PDF Based Engineering Review and Collaboration Software Maintenance
8131 Comcast / Verizon South Chapel St South Well Field (SWF) \$105.15	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	17,500.00	15,750.00	(1,750.00) Smart-Meter System (Wireless Infrastructure)
8131 Elster Software Maintenance - EAMS Allocated	Annual	6,500.00	6,600.00	100.00 Smart-Meter System (Radio Infrastructure)
8131 Esri Small Government ELA - Allocated	Annual	2,500.00	2,500.00	- GIS Server, Client, Cloud Licensing
8131 FieldSense Maintenance	Annual	927.50	950.00	22.50
8131 Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,468.00	4,467.94	(0.06) Smart Meter System - Proactive Oracle Database Maintenance
8131 Harris - Smartworks Software Maintenance - Allocated	Annual	6,962.50	7,310.66	348.16 Smart-Meter System (Middleware)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	12,640.00	13,352.90	712.90 Utility Billing Software (including Smart-Meter System)
8131 Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,292.00	1,293.70	1.70 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	3,500.00	4,100.00	600.00 ClearScada, Topview, Kepware, GeoScada
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	2,825.24	5,904.24	3,079.00 Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131 Verizon - Cellular/Data - Allocated	Monthly	10,735.00	11,280.00	545.00 Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	2,083.33	2,122.00	38.67 VOIP Phone System
8131 Subt	otal:	78,423.57	82,244.44	3,820.87
		\$ 78,424.00	\$ 82,244.00	\$ 3,820.00

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	+/- Prior Year Description
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,700.00	2,625.00	(1,075.00) AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Elster License Fee (SLA) Tropos Software Maintenance - Allocated	Annual	17,500.00	15,750.00	(1,750.00) Smart-Meter System (Wireless Infrastructure)
8131 Elster Software Maintenance - EAMS Allocated	Annual	6,500.00	6,600.00	100.00 Smart-Meter System (Radio Infrastructure)
8131 Esri Small Government ELA - Allocated	Annual	2,500.00	2,500.00	- GIS Server, Client, Cloud Licensing
8131 FieldSense Maintenance	Annual	927.50	950.00	22.50
8131 Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,468.00	4,467.94	(0.06) Smart Meter System - Proactive Oracle Database Maintenance
8131 Harris - Smartworks Software Maintenance - Allocated	Annual	6,962.50	7,310.66	348.16 Smart-Meter System (Middleware)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	12,640.00	13,352.90	712.90 Utility Billing Software (including Smart-Meter System)
8131 Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,292.00	1,293.80	1.80 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	2,742.15	7,380.30	4,638.15 Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131 Subt	total:	59,782.15	62,780.60	2,998.45
		\$ 59,782.00	\$ 62,781.00	\$ 2,999.00

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	+/- Prior Year Description
04.24 AutoDook (Civil 2D) 2 licenses Allegated	Ammuni	2 700 00	2.625.00	/4.075.00\ AutoDody Civil 2D (system) Celtures Culturistics Lineary /Climbond Cours)
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,700.00	2,625.00	(1,075.00) AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	12,640.00	13,352.90	712.90 Utility Billing Software (including Smart-Meter System)
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	2,742.15	5,904.24	3,162.09 Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131 Verizon - Cellular/Data - Allocated	Monthly	1,440.00	960.00	(480.00) Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	347.22	350.00	2.78 VOIP Phone System
	8131 Subtotal:	20.869.37	23.192.14	2,322.77
		\$ 20,869.00	\$ 23,192.00	,

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	t +/- 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	347.22	350.00	2.78 VOIP Phone System
	0404.6.14.4.1	4 707 00	7.004.04	5.000.00
	8131 Subtotal:	1,787.22	7,694.24	5,907.02
		\$ 1,787.00	\$ 7,694.00	\$ 5,907.00

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	et +/- Prior Year Description
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,154.77	4,428.18	8 273.41 Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131 Verizon - Cellular/Data - Allocated	Monthly	-	-	- Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	347.22	350.00	0 2.78 VOIP Phone System
	8131 Subtotal:	4 501 00	4 770 10	8 276.19
	8131 Subtotui:	4,501.99	4,778.18	
		\$ 4,502.00	\$ 4,778.00	0 \$ 276.00

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	+/- Prior Year Description
8131 Bluebeam Revu	Annual	450.00	2,247.00	1,797.00 PDF Based Engineering Review and Collaboration Software Maintenance
8131 Esri Small Government ELA - Allocated	Annual	2,500.00	2,500.00	- GIS Server, Client, Cloud Licensing
8131 Hydrocad	Annual	200.00	200.00	- Stormwater Modeling Software
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,154.77	5,904.24	1,749.47 Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131 Verizon - Cellular/Data - Allocated	Monthly	6,240.00	6,300.00	60.00 Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	3,472.22	3,534.00	61.78 VOIP Phone System
8131 HP Plotter (63 month) - Allocated	Year 2 of 5	1,298.28	1,218.84	(79.44) Wide Format Plotter and Scanner
	8131 Subtotal:	18,315.27	21,904.08	3,588.81
	\$	18,315.00	\$ 21,904.00	\$ 3,589.00

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION APPENDIX A - OBJECT CODE 8131 - (2021 AND 2022 BUDGET COMPARISON)

PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

Code 2022 IT Annual Operating Expense	Renewal	2021 Budget	2022 Budget	+/- Prior Year Description
8131 ShopKey Software Renewal	Annual	3,700.00	3,700.00	- ShopKey Vehicle Maintenance Software Renewal
8131 Snap On Modis Ultra Handheld Scanner Software	Annual	1,400.00	2,643.09	1,243.09 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	1,041.67	1,061.00	19.33 VOIP Phone System
	8131 Subtotal:	6,141.67	11,832.27	5,690.60
		\$ 6,142.00	\$ 11,832.00	\$ 5,690.00