

# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT

# 2021 BUDGET PRESENTATION TO CITY COUNCIL

AS PRESENTED ON: SEPTEMBER 21, 2020

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

DIRECTOR OF PUBLIC WORKS AND WATER RESOURCES

## WATER PRODUCTION

- Well Operations
- Water Plant Operations
- Booster Stations
- Tank Maintenance
- Reservoir
- Water System Regulatory Compliance
- Sewer System Regulatory Compliance
- Water System Capital Project Administration
- SCADA, GIS Mapping and Asset Management
- Metering

#### **ENGINEERING**

- Project Inspection
- Plan Review
- NPDES
- Surveying
- Drafting Capital Project Management
- Sediment and Stormwater Program
- Inspections

### RESOURCES

WATER

- Light Construction
- Emergency RepairsValve Maintenance
- Sanitary Sewer Maintenance
- Hydrant Inspection and Maintenance
- Meter Installation and Repair
- Storm Sewers
- Street Sweeping
- Storm System Maintenance
- Sewer Capital Administration
- Stormwater Capital Administration
- Customer Service
- Purchasing

#### STREET MAINTENANCE

- PavementSign and Traffic
- Marking Maintenance
- Tank Maintenance
- Snow PlowingLeaf Collection
- Sidewalk Sweeping
- Catch Basin Cleaning

## REFUSE VEHICLE COLLECTION MAINTENANCE

- Refuse CollectionRecycling CollectionVehicland P
- Yard Waste Collection
- Yard Waste Collection
   Yard Waste Processing
- Vehicle Specification and Preparation
- Fleet and Equipment Maintenance

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## CITY OF NEWARK, DELAWARE PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 2021 DEPARTMENTAL NARRATIVE

The Public Works and Water Resources Department, comprised of the seven (7) divisions described below, 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 program divisions described below:

#### **Engineering Division:**

• Responsible for the engineering review of new subdivisions and construction improvement plans, sediment and stormwater program implementation, construction inspection, 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 prepare reports and recommendations to the City Manager and City Council on various improvements throughout the City and maintain an active liaison with engineering consultants.

#### **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, the 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 assists with vehicle specifications for new purchases.

## CITY OF NEWARK, DELAWARE PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 2021 DEPARTMENTAL NARRATIVE

#### Water Division:

Responsible for maintaining regulatory compliance, GIS database management, oversight of day to day water system operations, engineering and design of facilities, supervision and inspection of construction projects, and capital project development and administration. Water construction plans and specifications are prepared for bidding under this program. Water Division engineering staff prepare reports and recommendations to the City Manager and City Council on facility improvements along with plan and specification development. The Division also maintains an active liaison with engineering consultants.

#### **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. Staff prepares reports and recommendations to the City Manager and City Council on asset, equipment and facility improvements and maintains an active liaison with engineering consultants as well as the general public.

#### Stormwater Division:

 Responsible for 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. Stormwater staff prepare reports and recommendations to the City Manager and City Council on facility improvements. Responsible for the programming and administration of the Stormwater Utility. ď

## CITY OF NEWARK, DELAWARE PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 2020 DEPARTMENTAL ACCOMPLISHMENTS

#### **Key accomplishments in 2020 include:**

- Built and launched a GIS based application for scheduling, routing, and reporting on our Bulk Refuse Collection program. This group effort between field, office, and administrative staff has created a more efficient process for this popular service.
- Completed Demolition, Mass Excavation, and final plan specifications and bidding on the Rodney Park and Stormwater Pond Project.
- Broke ground on a major overhaul of our South Well Field Water Treatment Plant. Expected to be completed in late 2020. This \$4mm upgrade was made possible by the State Revolving Loan Fund and the 2018 Capital Referendum.
- Heavy coordination with DelDOT and all stakeholders on the Main Street Improvements Project, as well as post-construction coordination of events and punch list items.
- Completed the expansion and paving of Municipal Parking Lot #1 in cooperation with the Parking Division and the Electric Department.
- Wilson Road, Dallam Road, Baylor Drive, and Tufts Lane Water Main upgrades completed. This \$1mm upgrade was made possible by the State Revolving Loan Fund and the 2018 Capital Referendum.
- Prepared plans and specifications to line or replace 700 linear feet of degraded corrugated metal pipe (CMP) as part of the stormwater utility. Construction expected to be complete in late 2020.
- Received and reviewed the Draft NPDES Stormwater Permit and provided comments to DNREC.
   Lead the state consortium for all permittees and coordinated responses to the draft permit.

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## CITY OF NEWARK, DELAWARE PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 2021 DEPARTMENTAL GOALS

#### Goals for 2021 include:

- Having finally seen a Draft of the permit, we are more confident than prior years that we will have
  the final version of our NPDES MS4 stormwater permit in late 2020. This permit will require staff
  and our consultant to draft and implement a new stormwater pollution prevention plan, while
  continuing the requirements of previous plans, including the annual reporting of stormwater
  quality initiatives.
- Perform an audit of our water meter systems and reporting.
- Create Standard Operating Procedures for each Division within the Department.
- Design and install up to one mile of water main as part of our rehabilitation program.
- Continue to assess and repair our sanitary sewer mains.
- Continue to assess environmental compliance at all City Owned facilities.
- Utilize grant funding to provide backup generation at a remote well site in Delmarva territory.
- Work with DelDOT to implement pedestrian and bicycle improvements to Casho Mill Road as part of the Safe Routes to School Program.
- Partner with DelDOT and New Castle County to restore floodplain storage and water quality in a shared drainage area near Robscott Manor.

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# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

**EXECUTIVE SUMMARY** 

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

#### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET					
	FY2020	FY2021	FY2020 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages	1,378,994	1,474,839	95,845	6.95%	*Step increases and advancements
Part-time Wages	 53,510	 50,173	(3,337)	-6.24%	*Decrease of -\$3,337 in FY2021 is largely due to the removal of an Intern (-\$6,500) in FY2021.
					This is offset slightly by staffing changes, moving from a PT Clerk Typist in FY2020 to a PT Admin Professional I in FY2021
Other Wages	 263,767	 224,479	(39,288)	-14.89%	*Decrease of -\$39,228 in FY2021 is due to a reduction of -\$40,000 to our budgeted OT
Benefits	 889,677	 910,727	21,050	2.37%	*The overall increase in FY2021 is largely due to an increase of \$19,145 to line item 6960
					(Group Hospitalization Ins.). *This is a finance calculation and is currently being reviewed for accuracy
Personnel Services	\$ 2,585,948	\$ 2,660,218	74,270	2.87%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 420,261	\$ 403,300	(16,961)	-4.04%	*The overall decrease in FY2021 is related to reductions to the following line items. Line item
					7090 (Treatment Plant Chemicals) decreased by -\$10,000, item 7110 (Safety Shoes and
					Supplies) decreased by -\$2,700, item 7130 (Tools, Field Sup. & Small Eq.) decreased by -\$2,000, item 7131 (IT Supplies) decreased by -\$1,261 and item 7440 (Conservation Program)
					decreased by -\$1,000
Contractual Services	\$ 999,554	\$ 965,402	(34,152)	-3.42%	*FY2021 sees a large reduction in the amount of -\$40,000 to line item 8150 (Water Service
					Contracts). This large reduction is partially offset by City-Wide changes related to our
					insurance coverage. These insurance-related lines increased by a total of \$5,944
Debt Service	\$ 1,873,882	\$ 2,139,311	265,429	14.16%	*Finance Calculation
Depreciation	\$ 85,156	\$ 98,901	13,745	16.14%	*Finance Calculation
Other Expenditures	\$ 51,727	\$ 49,755	(1,972)	-3.81%	*Decrease in FY2021 is largely due to reduction of -\$2,600 to line item 9070 (Training)
Subtotal:	\$ 6,016,528	\$ 6,316,887	\$ 300,359	4.99%	
Inter-Dept. Charges	\$ 630,602	\$ 744,359	113,757	18.04%	*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:	\$ 6,647,130	\$ 7,061,246	\$ 414,116	6.23%	
Full-time Positions	21	21	0		*No change from FY2020 to FY2021.

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - WATER DIVISION

#### **EXECUTIVE SUMMARY (continued)**

CAPITAL IMPROVEMENT PLAN (CIP)									
Project ID:	Project Description:	Comments							
New projects:	N/A	*No new projects planned in 2021-2025 CIP							
Ongoing projects	<u>:</u>								
W2001	Newark Reservoir Upgrades	Project listed in 2021-2025 CIP - (Est. Completion Date: 2024)							
W1701	Valve Inspection, Exercising and Rehabilitation	Project listed in 2021-2025 CIP - (Est. Completion Date: 2024)							
W1703	Laird Tract Well Field Restoration	Project listed in 2021-2025 CIP - (Est. Completion Date: 2022)							
W1601	Backup Generation at Water Facilities	Project listed in 2021-2025 CIP - (Est. Completion Date: 2021)							
W1602	Roseville Park Pressure District	Project listed in 2021-2025 CIP - (Est. Completion Date: 2021)							
W1503	Academy Street Interconnection Pump Station	Project listed in 2021-2025 CIP - (Est. Completion Date: 2022)							
W1402	Air Stripper Replacement - South Well Field	Projected to be completed by EOY 2020							
W0503	Well Restoration Program	Perpetual Project							
W9302	Water SCADA System	Projected to be completed by EOY 2020							
W9308	Water Main Replacement Program	Perpetual Project							
W8605	Water Tank Maintenance	Perpetual Project							
WEQSF	Equipment Replacement Program	Perpetual Project							

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## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

## **2021 OPERATING EXPENDITURES**

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

#### Summary:

WATER DIVISION - SUMMARY	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL						20 BUDGET AMENDED	2021 BUDGET		\$ DIFFERENCE FROM 2020-21		% DIFFERENCE FROM 2020-21
REVENUES															
Sale of Water	\$ 9,275,827	\$ 9,299,681	\$ 9,347,665	\$	9,102,939	\$ 9,315,000	\$	8,400,000	\$	(915,000)	-9.8%				
Penalties	40,456	26,621	20,257		25,340	29,100		20,000		(9,100)	-31.3%				
Service Fees	38,823	40,524	27,751		21,945	35,200		35,200		-	0.0%				
Other Revenues	287,112	224,195	160,898		197,539	164,990		116,250		(48,740)	-29.5%				
Interest Revenue	32,537	28,987	30,920		35,858	31,000		31,000		-	0.0%				
Subtotal	\$ 9,674,755	\$ 9,620,008	\$ 9,587,491	\$	9,383,621	\$ 9,575,290	\$	8,602,450	\$	(972,840)	-10.2%				
Less: Water Purchased	N/A	N/A	N/A		N/A	N/A		N/A		N/A	N/A				
Gross Operating Revenue	\$ 9,674,755	\$ 9,620,008	\$ 9,587,491	\$	9,383,621	\$ 9,575,290	\$	8,602,450	\$	(972,840)	-10.2%				
OPERATING EXPENSES															
Personnel Services	\$ 2,700,713	\$ 2,359,205	\$ 2,124,854	\$	2,696,643	\$ 2,585,948	\$	2,660,218	\$	74,270	2.9%				
Utility Purchases	N/A	N/A	N/A		N/A	N/A		N/A		N/A	0.0%				
Materials & Supplies	297,038	331,613	319,958		349,823	420,261		403,300		(16,961)	-4.0%				
Contractual Services	757,278	699,245	942,083		882,481	999,554		965,402		(34,152)	-3.4%				
Other Charges	1,840,073	1,855,298	1,856,771		2,111,404	2,010,765		2,287,967		277,202	13.8%				
Subtotal	\$ 5,595,102	\$ 5,245,361	\$ 5,243,666	\$	6,040,351	\$ 6,016,528	\$	6,316,887	\$	300,359	5.0%				
Inter-Dept. Charges	950,799	797,994	554,335		864,845	630,602		744,359		113,757	18.0%				
Total Operating Expenses	\$ 6,545,901	\$ 6,043,355	\$ 5,798,001	\$	6,905,196	\$ 6,647,130	\$	7,061,246	\$	414,116	6.2%				
Net Operating Margin (Before Capital Costs)	\$ 3,128,854	\$ 3,576,653	\$ 3,789,490	\$	2,478,425	\$ 2,928,160	\$	1,541,204	\$	(1,386,956)	-47.4%				

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

PERSONNEL SERVICES				2016	2017	2018	2019	2020 BUDGET			2021		
				ACTUAL	ACTUAL	ACTUAL	ACTUAL	AS	AMENDED		BUDGET		
5295202	6020	Supervisory	\$	352,194	\$ 361,039	\$ 381,809	\$ 375,864	\$	387,153	\$	391,091		
5295202	6030	Engineering/Technical		69,433	2,747	853	126		-		36,507		
5295202	6050	Information Technology		-	-	-	54,973		58,377		62,191		
5295202	6080	Clerical		77,158	82,006	83,291	86,602		93,611		99,853		
5295202	6200	Line Maintenance		375,186	416,772	385,101	428,851		436,569		406,633		
5295202	6210	Inspectors		68,091	99,470	57,703	60,911		64,643		68,850		
5295202	6220	Plant Operators		270,781	279,200	288,853	299,327		305,221		376,984		
5295202	6230	Maintenance Workers		168,899	30,601	65,230	66,475		66,030		68,903		
5295202	6240	Sweeper Operator		53,156	2,058	-	-		-		-		
5295202	6580	Service Award		26,738	20,465	22,944	24,535		26,102		24,475		
5295202	6590	Sick Pay		9,755	7,002	7,355	11,198		15,352		15,564		
5295202	6610	Seasonal		11,086	11,018	10,652	14,661		14,400		14,000		
5295202	6615	Interns		5,964	5,122	5,077	4,856		6,500		-		
5295202	6620	Overtime		190,007	156,324	173,272	224,084		185,000		145,000		
5295202	6621	Shift Differential		5,680	5,733	5,812	5,934		5,800		6,800		
5295202	6622	Holiday Premium		13,625	14,166	15,302	13,501		16,000		17,600		
5295202	6623	Weekend Premium		1,763	2,339	3,497	3,116		2,193		2,500		
5295202	6880	Uniform Allowance		5,220	7,925	7,570	7,870		7,920		7,440		
5295202	6885	Device Reimbursement		-	-	4,625	5,225		5,400		5,100		
5295202	6920	Unemployment Comp. Ins.		9,151	7,449	5,749	6,363		6,491		6,386		
5295202	6930	Social Security Taxes		124,026	113,247	110,462	124,665		123,404		130,651		
5295202	6940	City Pension Plan		377,537	308,246	318,589	497,304		301,725		255,300		
5295202	6941	Defined Contribution 401(a) Plan		15,945	19,752	24,965	38,722		42,975		46,326		
5295202	6950	Term Life Insurance		5,744	5,235	5,533	6,934		6,197		12,476		
5295202	6960	Group Hospitalization Ins.		310,917	255,770	254,522	250,829		304,566		356,332		
5295202	6961	Long-Term Disability Ins.		2,341	2,063	2,191	2,854		3,135		5,699		
5295202	6962	Dental Insurance		19,175	16,009	14,287	13,869		16,734		18,455		
5295202	6963	Flexible Spending Account		215	194	189	142		189		252		
5295202	6964	Health Savings Account		1,500	1,500	1,500	1,500		1,500		1,500		
5295202	6965	Post-Employment Benefits		122,776	115,433	(142,700)	52,979		67,503		70,876		
5295202	6966	Retirement Health Savings Account		4,018	5,071	6,977	10,696		11,368		2,453		
5295202	6967	Emergency Room Reimbursements		1,600	4,347	2,775	800		2,900		2,973		
5295202	6968	Vision Insurance Premiums		1,032	902	 869	877		990		1,048		
TOTAL PERSONN	EL SERVI	CES	\$	2,700,713	\$ 2,359,205	\$ 2,124,854	\$ 2,696,643	\$	2,585,948	\$	2,660,218		

\$ DIFFERENCE	% DIFFERENCE
FROM 2020-21	FROM 2020-21
\$ 3,938	1.0%
36,507	100.0%
3,814	6.5%
6,242	6.7%
(29,936)	-6.9%
4,207	6.5%
71,763	23.5%
2,873	4.4%
-	0.0%
(1,627)	-6.2%
212	1.4%
(400)	-2.8%
(6,500)	-100.0%
(40,000)	-21.6%
1,000	17.2%
1,600	10.0%
307	14.0%
(480)	-6.1%
(300)	-5.6%
(105)	-1.6%
7,247	5.9%
(46,425)	-15.4%
3,351	7.8%
6,279	101.3%
51,766	17.0%
2,564	81.8%
1,721	10.3%
63	33.3%
-	0.0%
3,373	5.0%
(8,915)	-78.4%
73	2.5%
58	5.9%
\$ 74,270	2.9%

<sup>\*</sup>Please note, in 2017 several employees were transferred to the Stormwater Division.

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 WATER DIVISION

Title	Union Affiliation	Grade	2020 # of		2020	2021 # of		2021	Position		\$	%
Title	Official Affiliation	Graue	Positions		Approved	Positions		Requested	Difference		Difference	Change
FULL TIME POSITIONS												
Director of PWWR	MGMT	33	1.0	\$	121,469	1.0	\$	126,815	0.0	\$	5,346	4.4%
Deputy Director of PWWR	MGMT	29	1.0	\$	97,954	1.0	\$	102,297	0.0	Ś	4,343	4.4%
Water Operations Superintendent	MGMT	22	1.0	\$	88,264	1.0	Š	92,146	0.0	Ś	3,882	4.4%
PWWR Supervisor	MGMT	19	1.0	Ś	79,466	1.0	Ś	69,833	0.0	Ś	(9,633)	-12.1%
Water and Sewer Inspector	CWA F/T	16	1.0	Ś	64,643	1.0	Ś	68,850	0.0	Ś	4,207	6.5%
Senior Water Plant Operator	AFSCME LOCAL 3919 F/T	16	1.0	\$	84,386	1.0	Ś	86,365	0.0	\$	1,979	2.3%
GIS Technician	CWA F/T	14	1.0	Ś	58,377	1.0	Ś	62,191	0.0	Ś	3,814	6.5%
Water Plant Operator **	AFSCME LOCAL 3919 F/T	14	3.0	Ś	220,835	4.0	Ś	290,619	1.0	\$	69,784	31.6%
Engineering Technician *	CWA F/T	14		Ś			Ś	36,507	0.0	Ś	36,507	100.0%
Water Meter Technician	AFSCME LOCAL 1670 F/T	10	1.0	Ś	66.731	1.0	Ś	68,598	0.0	Ś	1,867	2.8%
Heavy Equipment Op/Mech	AFSCME LOCAL 1670 F/T	10	1.0	Ś	66,030	1.0	Ś	68,903	0.0	Ś	2,873	4.4%
Admin Professional I	CWA F/T	10	1.0	Ś	61,001	1.0	Ś	63,680	0.0	Ś	2,679	4.4%
Digital Scanner/Record Asst II	CWA F/T	8	1.0	Ś	57,249	1.0	Ś	59,027	0.0	Ś	1,778	3.1%
Maintenance IV	AFSCME LOCAL 1670 F/T	8	1.0	Ś	61,215	1.0	Ś	63,857	0.0	Ś	2,642	4.3%
Maintenance III	AFSCME LOCAL 1670 F/T	6	1.0	Ś	55,246	1.0	Ś	58,157	0.0	Ś	2,911	5.3%
Equipment Operator ***	AFSCME LOCAL 1670 F/T	3	4.0	Ś	152,697	4.0	Ś	156,994	0.0	Ś	4,297	2.8%
Maintenance I	AFSCME LOCAL 1670 F/T	1	1.0	Ś	43,431		Ś	-	(1.0)	Ś	(43,431)	-100.0%
Total Full-Time Positions		=	21.0	\$	1,378,994	21.0	\$	1,474,839	0.0	\$	95,845	7.0%
PART-TIME FUNDING												
Clerk Typist	CWA P/T			\$	32,610		ς	_		Ś	(32,610)	-100.0%
Admin Professional I	CWA P/T			ς	-		ς	36,173		ς	36,173	100.0%
Seasonal	CWATT			ς	14,400		ς	14,000		ς	(400)	-2.8%
Intern				ς	6,500		ς	-		ς	(6,500)	-100.0%
Total Part-Time Funding				\$	53,510		\$	50,173		\$	(3,337)	-6.2%
OTHER												
Service Award				\$	26,102		خ	24,475		\$	(1,627)	-6.2%
Sick Pay				ې خ	15,352		ې خ	15,564		۶ \$	212	1.4%
Overtime				ç خ	185,000		ç	145,000		۶ \$	(40,000)	-21.6%
Shift Differential				ç خ	5,800		ç	6,800		۶ \$		-21.6% 17.2%
Holiday Premium				ې خ	16,000		ې خ	17,600		ç	1,000 1,600	10.0%
Weekend Premium				ç خ			ç			ç	307	14.0%
Uniform Allowance				ې خ	2,193 7,920		ې خ	2,500 7,440		ې خ	(480)	-6.1%
Device Reimbursements				ې خ	7,920 5,400		ç	7,440 5,100		ې خ	(480)	-6.1% -5.6%
Total Other				<u> ၃</u>	263,767		ç	224,479		<u>\$</u>	(300)	-5.6% - <b>14.9%</b>
TOTAL OTHER				Ą	203,707		<u> </u>	224,479		Ą	(33,200)	-14.3%
Total All			21.0	Ś	1,696,271	21.0	Ś	1,749,491	0.0	Ś	53,220	3.1%
i o tai All				J	2,000,611			エッ・マンフンエ	<del>0.0</del>	J	JJ,220	3.1/0

<sup>\*</sup> Please note that the Engineering Technician position will be partially funded through both the Water and Stormwater Fund evenly.

<sup>\*\*</sup> Please note that the 2021 Water Plant Operator line contains 1 Vacant position for 2021.

<sup>\*\*\*</sup> Please note that the 2020 and 2021 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	D SUPPI	LIES	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET
5295203	7080	Pumping Station Electric	\$ 35,483	\$ 33,948	\$ 30,585	\$ 29,216	\$ 40,000	\$ 40,000
5295203	7090	Treatment Plant Chemicals	89,237	101,900	110,796	103,949	150,000	140,000
5295203	7110	Safety Shoes and Supplies	3,774	7,401	7,220	5,699	7,500	4,800
5295203	7130	Tools, Field Sup., & Small Eq.	14,398	13,432	14,604	10,867	14,000	12,000
5295203	7131	Information Technology Supplies	7,640	-	-	-	1,261	-
5295203	7140	Uniforms	-	-	58	-	-	-
5295203	7150	Office Supplies	2,059	3,427	4,981	3,265	4,000	4,000
5295203	7260	Line Maintenance	67,960	108,918	85,119	124,650	110,000	110,000
5295203	7270	Station and Well Maintenance	94	2,212	1,834	3,089	10,000	10,000
5295203	7275	Reservoir Maintenance	6,524	4,428	8,170	4,594	7,500	7,500
5295203	7280	Treatment Plant Maintenance	24,724	4,932	15,616	15,472	35,000	35,000
5295203	7300	Machinery & Equipment Maint.	109	-	-	-	-	-
5295203	7320	Well Maintenance	23	673	11,088	4,381	-	-
5295203	7330	Water Meters	57,346	49,450	39,172	44,883	40,000	40,000
5295203	7401	Stormwater Program Supplies	3,465	-	-	-	-	-
5295203	7440	Conservation Program	1,580	-	-	-	1,000	-
5295203	7540	Inventory Adjustment	(17,498)	817	(9,285)	(242)	-	-
5295203	7550	Miscellaneous Supplies	120	75	-	-	-	-
TOTAL MATERIA	LS & SUP	PLIES	\$ 297,038	\$ 331,613	\$ 319,958	\$ 349,823	\$ 420,261	\$ 403,300

\$ [	DIFFERENCE	% DIFFERENCE
FRC	M 2020-21	FROM 2020-21
		0.00/
\$	-	0.0%
	(10,000)	-6.7%
	(2,700)	-36.0%
	(2,000)	-14.3%
	(1,261)	-100.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	(1,000)	-100.0%
	-	0.0%
	-	0.0%
\$	(16,961)	-4.0%

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

CONTRACTUAL	SERVIC	ES	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 SUDGET	
5295204	8020	Advertising	\$ 1,745	\$ 2,203	\$ 8,154	\$ 978	\$ 2,000	\$ 2,000	
5295204	8030	Casualty Insurance	151,457	23,665	25,148	26,846	26,400	23,555	
5295204	8031	Insurance - Property	-	56,896	90,456	91,774	85,120	99,415	
5295204	8032	Insurance - Auto	-	13,918	26,793	25,880	17,940	20,064	
5295204	8033	Insurance - Broker	-	9,561	12,681	13,056	12,864	5,234	
5295204	8035	Insurance - Worker's Compensation	-	-	-	34,252	48,450	48,450	
5295204	8040	Merchant Fees and Discounts	86,537	103,232	102,842	101,478	100,000	100,000	
5295204	8050	Phone/Communications	5,775	9,937	3,277	3,948	480	480	
5295204	8120	Outside Engineering (1)	137,810	65,186	37,953	49,244	115,000	115,000	
5295204	8130	Building & Equipment Rental	655	2,236	4,382	1,045	3,500	3,500	
5295204	8131	Information Technology Cont'l	24,110	68,642	44,836	48,105	82,586	78,424	
5295204	8150	Water Service Contracts	73,914	53,075	73,061	72,605	85,000	45,000	
5295204	8260	Line Maintenance	31,321	8,205	42,213	26,545	50,000	50,000	
5295204	8270	Station Maintenance	5,884	7,135	6,488	7,599	7,500	7,500	
5295204	8275	Reservoir Maintenance	38,635	14,707	24,673	28,638	30,000	30,000	
5295204	8280	Treatment Plant Maintenance	94,370	72,617	82,964	118,600	90,000	90,000	
5295204	8312	Fleet & Facilities Services	-	145,354	319,113	166,488	175,714	178,280	
5295204	8313	Self-Insurance Services	-	-	2,402	21,525	-	-	
5295204	8320	Well Maintenance	5,975	15,750	3,857	4,498	20,000	20,000	
5295204	8325	Tank Cleaning and Inspection	28,195	6,400	2,500	5,284	10,000	10,000	
5295204	8330	Meter Testing and Repairs	1,262	237	204	53	5,000	2,500	
5295204	8401	Stormwater Program Contractual	10,878	-	-	-	-	-	
5295204	8550	Misc. Contracted Services	33,686	5,919	6,456	12,245	10,000	10,000	
5295204	8899	Mowing Contract	25,069	14,370	21,630	21,795	22,000	26,000	
TOTAL CONTRAC	TUAL SE	RVICES	\$ 757,278	\$ 699,245	\$ 942,083	\$ 882,481	\$ 999,554	\$ 965,402	

\$ [	DIFFERENCE	% DIFFERENCE
FRC	M 2020-21	FROM 2020-21
_		0.00/
\$	<del>-</del>	0.0%
	(2,845)	-10.8%
	14,295	16.8%
	2,124	11.8%
	(7,630)	-59.3%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	(4,162)	-5.0%
	(40,000)	-47.1%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	2,566	1.5%
	-	0.0%
	-	0.0%
	-	0.0%
	(2,500)	-50.0%
		0.0%
	_	0.0%
	4,000	18.2%
\$	(34,152)	-3.4%

<sup>(1) 2016</sup> includes additional funding for a rate study.

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

OTHER CHARGE	S		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET
5295205	9002	Subvention - Aetna Hook and Ladder	\$ _	\$ -	\$ _	\$ 3,644	\$ 3,300	\$ 3,300
5295205	9010	Bad Debt Expense	1,287	389	25,696	1,488	5,384	6,012
5295205	9020	Mileage & Small Bus. Expense	8	4,638	4	-	-	-
5295205	9040	Dues & Professional Organizations	4,025	-	-	-	-	-
5295205	9051	Debt Service Principal	1,040,000	1,070,000	1,095,000	1,400,000	1,185,000	1,230,000
5295205	9052	Debt Service Interest	213,883	192,908	168,169	134,925	110,700	75,150
5295205	9054	Amortization of Refinance Loss	34,443	34,443	34,443	34,443	34,443	34,443
5295205	9056	Debt Service Principal - Smart Meters	327,730	334,940	342,320	349,851	357,548	365,400
5295205	9057	Debt Service Interest - Smart Meters	97,797	90,587	83,221	75,690	67,993	60,120
5295205	9058	Debt Service Principal - ECM	33,167	33,832	34,510	35,202	35,908	36,628
5295205	9059	Debt Service Interest - ECM	3,294	3,809	3,131	2,439	1,733	1,013
5295205	9060	Depreciation Expense	81,335	84,619	67,041	63,436	85,156	98,901
5295205	9151	Debt Service Interest - SRL Funded Capital	-	-	-	-	115,000	371,000
5295205	9070	Training & Continuing Educ/Conf	2,398	5,133	3,236	10,286	8,600	6,000
5295205	9099	Contingencies	706	-	-	-	-	-
TOTAL OTHER CH	ARGES		\$ 1,840,073	\$ 1,855,298	\$ 1,856,771	\$ 2,111,404	\$ 2,010,765	\$ 2,287,967

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	-	0.0%
	628	11.7%
	-	0.0%
	-	0.0%
	45,000	3.8%
	(35,550)	-32.1%
	-	0.0%
	7,852	2.2%
	(7,873)	-11.6%
	720	2.0%
	(720)	-41.5%
	13,745	16.1%
	256,000	222.6%
	(2,600)	-30.2%
	-	0.0%
\$	277,202	13.8%

INTER-DEPT. CHARGES	HARGES							0 BUDGET 2021 AMENDED BUDGET					
	Administrative Overhead	\$	327,177	Ś	489,945	Ś	362,695	Ś	694,095	Ś	406,381	Ś	508,375
	Billings and Accounting	7	109,688	7	130,505	7	63,628	7	68,916	7	84,286	7	92,293
	Buildings and Grounds		11,404		-		-		-		-		-
Ì	Electricity		240,710		201,211		208,527		186,300		177,828		188,130
	Information Technology		199,366		83,848		86,381		58,119		90,640		91,699
	Other Indirect Charges		(115,776)		(130,442)		(196,649)		(165,663)		(147,214)		(158,110)
	Printing and Reproduction		2,624		108		100		93		146		104
	Vehicle and Equipment		144,011		-		-		-		-		-
	Warehousing		31,595		22,819		29,653		22,985		18,535		21,868
TOTAL INTER-DEPT. CHAF	IGES	\$	950,799	\$	797,994	\$	554,335	\$	864,845	\$	630,602	\$	744,359
									•				

\$	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	101,994	25.1%
	8,007	9.5%
	-	0.0%
	10,302	5.8%
	1,059	1.2%
	(10,896)	7.4%
	(42)	-28.8%
	-	0.0%
	3,333	18.0%
		· · · · · · · · · · · · · · · · · · ·
\$	113,757	18.0%

OPERATING EXPENSES - WATER DIVISION	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET
TOTAL OPERATING EXPENSES	\$ 1,196,003	\$ 6,043,355	\$ 5,798,001	\$ 6,905,196	\$ 6,647,130	\$ 7,061,246

\$ DIFFERENCE	% DIFFERENCE
FROM 2020-21	FROM 2020-21
\$ 414,116	6.2%



## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WATER DIVISION

**2021-2025 CAPITAL IMPROVEMENT PROGRAM** 

#### **CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2021-2025**

(with current year amended budget)

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

FUNDING SUMMARY 2021 2022 2023 2024 2025 Total 5 Year **New Funding:** 3,158,070 4,234,000 1,554,000 3,175,000 1,500,000 13,621,070 1,386,949 1,386,949 2021-2025 Funding: 4,545,019 4,234,000 1,554,000 3,175,000 1,500,000 15,008,019

\*Prior Authorized Balance:

PHO	Author	izeu ba	lance i	liciudes	2020 (	arryover	runuing	only.

			2020		202								
PROJECT NUMBER	PROJECT NAME	*	BUDGET AS AMENDED	_	ERVES AND ER FUNDING	URRENT UNDING		2021	2022	2023	2024	2025	TOTAL
W2001	Newark Reservoir Upgrades	В	\$ -	\$	-	\$ -	\$	-	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ 1,600,000
W1701	Valve Inspection, Exercising and Rehabilitation	В	165,000		165,000	-		165,000	125,000	125,000	125,000	-	540,000
W1703	Laird Tract Well Field Restoration	Α	-		50,000	50,000		100,000	1,925,000	-	-	-	2,025,000
W1601	Backup Generation at Water Facilities	Α	125,000		100,000	-		100,000	-	-	-	-	100,000
W1602	Roseville Park Pressure District	В	-		-	275,000		275,000	-	-	-	-	275,000
W1503	Academy Street Interconnection Pump Station	В	-		-	-		-	590,000	-	-	-	590,000
W1402	Air Stripper Replacement - South Well Field	В	2,582,695		-	-		_	-	-	-	-	-
W0503	Well Restoration Program	В	58,000		41,019	29,000		70,019	29,000	29,000	-	-	128,019
W9302	Water SCADA System	В	350,000		-	-		-	-	-	-	-	-
W9308	Water Main Replacement Program	В	1,000,000		2,000,000	-		2,000,000	1,000,000	1,250,000	1,500,000	1,500,000	7,250,000
W8605	Water Tank Maintenance	В	450,000		1,800,000	-		1,800,000	500,000	-	-	-	2,300,000
WEQSF	Equipment Replacement Program	В	302,701	_	25,011	 9,989	_	35,000	 65,000	 50,000	 50,000	 	 200,000
Total Wa	ter Fund - Water Division		\$ 5,033,396	\$	4,181,030	\$ 363,989	\$	4,545,019	\$ 4,234,000	\$ 1,554,000	\$ 3,175,000	\$ 1,500,000	\$ 15,008,019
PLANNED	FINANCING SOURCES												
	GROSS CAPITAL IMPROVEMENTS		\$ 5,033,396	\$	4,181,030	\$ 363,989	\$	4,545,019	\$ 4,234,000	\$ 1,554,000	\$ 3,175,000	\$ 1,500,000	\$ 15,008,019
	LESS: USE OF RESERVES		(215,000)		(231,019)	· -		(231,019)	-	=	=	-	(231,019)
	VEHICLE & EQUIPMENT REPLACEMENT		(213,546)		(25,011)	-		(25,011)	(34,436)	(37,999)	(19,541)	-	(116,987)
	GRANTS		(75,000)		(125,000)	-		(125,000)	-	(50,000)	-	-	(175,000)
	BOND ISSUES				-	-		-	-	-	=	=	-
	STATE REVOLVING LOANS		(4,382,695)		(3,800,000)	-		(3,800,000)	(2,925,000)	-	-	-	(6,725,000)
	OTHER FINANCING SOURCES				<u> </u>	 		· · · ·	 -	 -	 -	 -	 
	NET CAPITAL IMPROVEMENTS		\$ 147,155	\$	-	\$ 363,989	\$	363,989	\$ 1,274,564	\$ 1,466,001	\$ 3,155,459	\$ 1,500,000	\$ 7,760,013

<sup>\*</sup> Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other



PROJECT NO: W2001

PROJECT TITLE: **Newark Reservoir Upgrades**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance: 2021-2025 Funding:

	 2021	- :	2022	2023	2024	2025	T	otal 5 Year
:	\$	\$	-	\$ 100,000	\$ 1,500,000	\$ -	\$	1,600,000
:	\$	\$	-	\$ -	\$ -	\$ -	\$	-
:	\$ •	\$	-	\$ 100,000	\$ 1,500,000	\$ -	\$	1,600,000

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL										
DEPARTMENT:	PWWR									
DIVISION:	Water									
FUND:	Water									
PROJECT LOCATION:	Newark Reservoir									
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:	2020
Est. Completion Date:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 1,600,000
Est. Spend @ 12/31/2020 (if underway) :	\$ -
% Complete (if underway):	0.0%
Balance to be funded¹:	\$ 1,600,000

<sup>&</sup>lt;sup>1</sup> 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:		\$	1								
Other Contracts:	5295206.9960	\$	1,600,000								
TOTAL PRO	TOTAL PROJECT COST										

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

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

The Newark Reservoir has been in use since 2008 and there are upgrades and changes necessary to continue operations. Among the work contemplated for this project include:

Rehabilitation of the 'moat' area that surrounds the reservoir and moves water from the I/O Tower to the wetlands bench on the north end of the reservoir. This includes replacing rock protection and pest deterents 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. Extending the liner would increase the confidence PWWR would have in times of drought.

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 alllow us to do a comprehensive review for possible future uses.

2023 Funding includes 50/50 Planning Grant through SRF Program.

Verify with SRF that Resevoir work is allowable under the program. They have not in the past. See emails from Heather Warren.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	1	-	50,000	1,500,000	-	\$ 1,550,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	1	-	\$ -
EQUIPMENT REPLACEMENT	-	-	_	\$ -	-	-	-	1	-	\$ -
GRANTS SRF possible	-	-	-	\$ -	-	-	50,000	-	-	\$ 50,000
BOND ISSUES	-	-	_	\$ -	-	-	-	1	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	1	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	1	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,500,000	\$ -	\$ 1,600,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPERATING IMPACT:			2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -



PROJECT NO: W1701

PROJECT TITLE: Valve Inspection, Exercising and

Rehabilitation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY: 2021				2022		2023		2024		2025	Total 5 Year		
New Funding:	\$	-	\$	125,000	\$	125,000	\$	125,000	\$	-	\$	375,000	
*Prior Authorized Balance:	\$	165,000	\$	-	\$		\$	-	\$	-	\$	165,000	
2021-2025 Funding:	\$	165,000	\$	125,000	\$	125,000	\$	125,000	\$	-	\$	540,000	

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:	\$	540,000
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$	540,000

<sup>&</sup>lt;sup>1</sup> 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	\$	180,000								
Other Contracts:	5295206.9960	\$	360,000								
TOTAL PRO	\$	540,000									

<sup>&</sup>lt;sup>2</sup> 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.

This project proposes to develop a valve exercising program utilizing our GIS database and contract documents in 2019 that would be put out to bid in a multi-year contract with an initial goal of exercising all valves in the system within the first 5 years. During this period we would also re-visit previously exercised valves to attempt to determine the appropriate return interval for service in the coming years. Once the first round of this program is complete, this program can be moved into the operating budget.

It is our current expectation that we should exercise valves no less frequently than every 2 to 3 years but we have spread out the initial round over 5 years because it is our expectation that there will be a higher than normal failure rate resulting in higher than normal replacement costs. Each valve that cannot be successfully excercised will be recommended for replacement. If the valve should fail, the replacement will occur as soon as possible to avoid service disruption. We will revisit this estimate annually during the program as we have more data to support optimization.

#### 2021 Update:

This work was funded in Year 1 and pushed ever since. This should be prioritized for 2021 using the reserve funds. We have had several issues with closed and inoperable valves in the past 2 years.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	_	1	-	\$ -		125,000	125,000	125,000	-	\$ 375,000
CAPITAL RESERVES	165,000	1	-	\$ 165,000	165,000	-	-	-	-	\$ 165,000
EQUIPMENT REPLACEMENT	-	ı	-	\$ -	-	1	1	-	-	\$ -
GRANTS (SPECIFY)	_	ı	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	-	1	1	-	-	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	1	-	-	-	\$ -
TOTAL:	\$ 165,000	\$ -	\$ -	\$ 165,000	\$ 165,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ -	\$ 540,000
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPERATING IMPACT:			2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -



PROJECT NO: W1703

PROJECT TITLE: Laird Tract Well Field Restoration

PROJECT STATUS: In Progress (with end date)

<b>FUNDING SUMMARY:</b>	2021	2022	20	23	2	2024	2025	Т	otal 5 Year
New Funding:	\$ 100,000	\$ 1,925,000	\$	-	\$	-	\$ -	\$	2,025,000
*Prior Authorized Balance:	\$ -	\$ -	\$	-	\$	-	\$ -	\$	-
2021-2025 Funding:	\$ 100,000	\$ 1,925,000	\$	-	\$	-	\$ -	\$	2,025,000

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

§ 806.1(3) SUMMARY OF PROJECT	DAT	Α
First Year in Program:		2017
Est. Completion Date:		2022
Est. Useful Life (in years):		20
Est. Total Cost:	\$	2,025,000
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded :	Ś	2.025.000

<sup>&</sup>lt;sup>1</sup> 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	\$	2,025,000					
TOTAL PRO	\$	2,025,000						

<sup>&</sup>lt;sup>2</sup> 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 <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	50,000	-	-	-	-	\$ 50,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	_	-	_	\$ -	-	-	-	-	-	\$ -
GRANTS PPA and Planning Grants	-	-	_	\$ -	50,000	-	1	1	-	\$ 50,000
BOND ISSUES	1	ı	-	\$	1	-	1	1	1	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	1,925,000	1	1	-	\$ 1,925,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,925,000	\$ -	\$ -	\$ -	\$ 2,025,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:			2021	2022	2023	2024	2025	TOTAL		
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -



PROJECT NO: W1601

PROJECT TITLE: **Backup Generation at Water Facilities**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

100,000 100,000 100.000 S 100.000 2021-2025 Funding: \$

2024

2025

**Total 5 Year** 

2023

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 und	erway and must be completed					
COMPREHENSIVE DEV	ELOPMENT PLANNING VISION ELEMENT:					
	Healthy & Active Community					

§ 806.1(3) SUMMARY OF PROJECT	DATA
First Year in Program:	2016
Est. Completion Date:	2021
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 195,000
Est. Spend @ 12/31/2020 (if underway)¹:	\$ 95,000
% Complete (if underway):	48.7%
Balance to be funded¹:	\$ 100,000

<sup>&</sup>lt;sup>1</sup> 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	\$	100,000					
TOTAL PRO	JECT COST	\$	100,000					

<sup>&</sup>lt;sup>2</sup> 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**:

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.

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.

2021

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 recieve 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.

	PROJECT FINANCING BY PLAN YEAR									
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	_	-	-	\$ -	-	-	-	1	-	\$ -
CAPITAL RESERVES	50,000	-	25,000	\$ 25,000	25,000	-	-	-	-	\$ 25,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS FEMA Pre-Disaster Mitigation Grant	145,000	-	70,000	\$ 75,000	75,000	1	1	-	-	\$ 75,000
BOND ISSUES	-	ı	-	\$ -	1	1	1	1	-	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	1	-	\$ -
TOTAL:	\$ 195,000	\$ -	\$ 95,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	2,000	2,000	2,000	2,000	2,000	\$ 10,000

**PROJECT NO:** W1602

**PROJECT TITLE: Roseville Park Pressure District**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance:

2025 **Total 5 Year** 2021 2022 2023 2024 275.000 275,000 275,000 \$ 275,000 2021-2025 Funding: \$

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						
	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:		2016							
Est. Completion Date:		2021							
Est. Useful Life (in years):		50							
Est. Total Cost:	\$	275,000							
Est. Spend @ 12/31/2020 (if underway):	\$								
% Complete (if underway):		0.0%							
Balance to be funded¹:	\$	275,000							

<sup>&</sup>lt;sup>1</sup> 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:		\$	1						
Other Contracts:	5295206.9760	\$	275,000						
TOTAL PRO	\$	275,000							

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

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

The higher elevation areas of Roseville Park and Delaplane Manor subdivisions have very low water pressure and little fire protection water flows, often losing pressure entirely when a hydrant downhill is opened creating potential for backflows and excessive water discoloration. The first year of this project was to investigate alternative solutions with costs to be used to budget for design and construction in 2021 depending on funding availability.

We have identified the best solution which is a booster station that will be located on Laurel Avenue. This solution was more cost effective than the other options while providing a larger improvement to pressures. Due to the piping configuration we believe this installation can be performed using in-house forces.

	PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021		2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	1	-	\$ -	275,	000	1	-	-	-	\$ 275,000
CAPITAL RESERVES	-	-	-	\$ -		-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -		-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -		-	1	-	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -		-	ī	-	-	-	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -		-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -		-	1	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ 275,	000	\$ -	\$ -	\$ -	\$ -	\$ 275,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:		2021		2022	2023	2024	2025	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



PROJECT NO: W1503

PROJECT TITLE: Academy Street Interconnection Pump

Station

PROJECT STATUS: In Progress (with end date)

			, .	,		
<b>FUNDING SUMMARY:</b>	2021	2022	2023	2024	2025	Total 5 Year
New Funding:	\$ -	\$ 590,000	\$ -	\$ -	\$ -	\$ 590,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2021-2025 Funding:	\$ -	\$ 590,000	\$ -	\$ -	\$ -	\$ 590,000

CAPITAL BUDGET - PROJECT DETAIL				
DEPARTMENT:	PWWR			
DIVISION:	Water			
FUND:	Water			
PROJECT LOCATION:	Academy Street and Waterworks Lane			
PROJECT PRIORITY:	3 - Medium-High			
The City of the land and the second	and the fact of the second state of the second			

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

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA					
First Year in Program:		2015			
Est. Completion Date:		2022			
Est. Useful Life (in years):		15			
Est. Total Cost:	\$	590,000			
Est. Spend @ 12/31/2020 (if underway) <sup>1</sup> :	\$	-			
% Complete (if underway):		0.0%			
Balance to be funded¹:	\$	590,000			

<sup>&</sup>lt;sup>1</sup> 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	\$	590,000			
Other Contracts:		\$	-			
TOTAL PRO	\$	590,000				

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

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

The City of Newark's drinking water currently comes from one of three sources, the Newark Water Treatment Plant (NWTP), South Well Field (SWF), and interconnections with Suez (formerly United Water) and Artesian Water Companies. If we were to have a long term outage at the NWTP (plant maintenance or failure resulting in NWTP being fully or partially offline for several days), SWF will be unable to keep up with demand, requiring the purchase of water from either Suez or Artesian. NWTP can typically keep up with demand if SWF were to be out of service but may require water purchases if the SWF were to fail during the peak season. In 2014 we had to purchase water from United during the NWTP filter rehab project and experienced a failure of the 2.0 MGD pump, requiring significant repairs.

Our interconnection with Suez, located at the intersection of Academy Street and Waterworks Lane, is the existing interconnection location best suited to serve as the backup supply for the NWTP. The existing station has three pumps which produce 1.0, 1.5 and 2.0 million gallons per day, located in the basement of the old brick building. The pumps and building at this location are in exceedingly poor condition and will require significant repairs and possibly complete replacement if we are to rely on them for backup water service long term. This project scope has been 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 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 Godwin Pumps 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. 2022 funding includes design and permitting followed by construction.

The funding also includes the eventual decommisioning 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.

Please note, \$40,000 (of Current Resources in 2022) were moved from Capital Project W1302 - Abandon Old Wells.

	PROJECT FINANCING BY PLAN YEAR									
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	1	-	\$ -	-	590,000	-	-	-	\$ 590,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	ı	-	\$ -	-	1	-	-	-	\$ -
BOND ISSUES	-	1	-	\$ -	-	1	-	-	-	\$ -
STATE REVOLVING LOAN	-	ı	-	\$ -	-	1	-	-	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	1	1	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 590,000	\$ -	\$ -	\$ -	\$ 590,000
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -



PROJECT NO: W0503

**PROJECT TITLE: Well Restoration Program**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2022 2023 2024 2025 **Total 5 Year** 2021 29,000 29,000 29,000 87,000 41,019 41,019 70,019 \$ 29,000 \$ 29,000 \$ 128,019 2021-2025 Funding: \$

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT DATA					
First Year in Program:	2005				
Est. Completion Date:	Perpetual				
Est. Useful Life (in years):	5				
Est. Total Cost:	\$ 221,576				
Est. Spend @ 12/31/2020 (if underway):	\$ 93,557				
% Complete (if underway):	42.2%				
Balance to be funded¹:	\$ 128,019				

<sup>&</sup>lt;sup>1</sup> 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	\$	128,019			
Other Contracts:		\$	-			
TOTAL PRO	JECT COST	\$	128,019			

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

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

Restore / 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 FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	58,000	16,981	-	\$ 41,019	29,000	29,000	29,000	1	1	\$ 87,000
CAPITAL RESERVES	76,576	-	76,576	\$ -	41,019	-	-	-	-	\$ 41,019
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	1	-	-	1	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	1	1	\$ -
OTHER (SPECIFY)	-	-	1	\$ -	-	-	-	-	1	\$ -
TOTAL:	\$ 134,576	\$ 16,981	\$ 76,576	\$ 41,019	\$ 70,019	\$ 29,000	\$ 29,000	\$ -	\$ -	\$ 128,019
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	ī:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -



PROJECT NO: W9308

PROJECT TITLE: Water Main Replacement Program **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2021 2022 2023 2024 2025 1.000.000 1,000,000 1,250,000 1,500,000 1.500.000 1,000,000 \$ 2021-2025 Funding: \$ 2.000.000 \$ 1.000.000 \$ 1.250.000 \$ 1.500.000 \$ 1.500.000 **Total 5 Year** 

6,250,000

1,000,000

\$ 7.250.000

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT DATA					
First Year in Program:	1993				
Est. Completion Date:	Perpetual				
Est. Useful Life (in years):	75+				
Est. Total Cost:	\$ 8,753,506				
Est. Spend @ 12/31/2020 (if underway)¹:	\$ 1,503,506				
% Complete (if underway):	17.2%				
Balance to be funded¹:	\$ 7,250,000				

<sup>&</sup>lt;sup>1</sup> 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:	5295206.9760	\$	7,250,000			
TOTAL PRO	DJECT COST	\$	7,250,000			

<sup>&</sup>lt;sup>2</sup> 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

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 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. Current year 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.

This project involves either replacing mains or lining the interior to minimize main breaks, improve water quality, and improve fire flow. In 2017 we completed replacement of the water main along East Park Place from South Chapel to Manuel Street and replacement of the main on Dallam Road from Old Oak to Bent Lane. In 2018, we did not complete a project as funding was not available prior to passage of the 2018 Referendum. In 2019, using State revolving Loan Funds, plans have changed based on our water model and instead of upgrades along West main, we intend to begin an upgrade to the main on Dallam Road and replace the water main along Wilson Road. Exhibits are attached to this CIP sheet. Due to the Main Street Improvements, the East Park work that was contemplated in 2018 and 2019 will be completed in 2020, along with the continuation on the upgraded main in Dallam Road.

We also intend to initiate the evaluation of several conditions assessment technologies to help guide the decision process for the segments to address in the out-years.

\$30,000 was added in 2019 in order to recognize the capitalized interest payments for debt service for the State Revolving Loan.

\$30,000 of Current Resources previously listed in 2019 were transferred to W1901 per budget amendment.

2021 update - Completion of Dallam Road 10" and Park Place will be in 2021. No project in 2020 due to Covid. 2020 funding moved to 2023, however, we may not be able to use SRF due to \$1mm supplemental at SWF project may put us over our authorized borrowing limit.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	1,250,000	1,500,000	1,500,000	\$ 4,250,000
CAPITAL RESERVES	-	-	-	\$ -	-	-		-	-	\$ -
EQUIPMENT REPLACEMENT	-	_	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	1	-	1	-	-	\$ -
BOND ISSUES	-	1	-	\$ -	ī	-	1	-	1	\$ -
STATE REVOLVING LOAN	2,000,000	290,584	709,416	\$ 1,000,000	2,000,000	1,000,000		-	-	\$ 3,000,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 2,000,000	\$ 290,584	\$ 709,416	\$ 1,000,000	\$ 2,000,000	\$ 1,000,000	\$ 1,250,000	\$ 1,500,000	\$ 1,500,000	\$ 7,250,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:				2021	2022	2023	2024	2025	TOTAL	
OPERATING / MAINTAINING PROJECT OR ASSET INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

## W9308: Water Main Replacement Program Supporting Documentation - Page 1

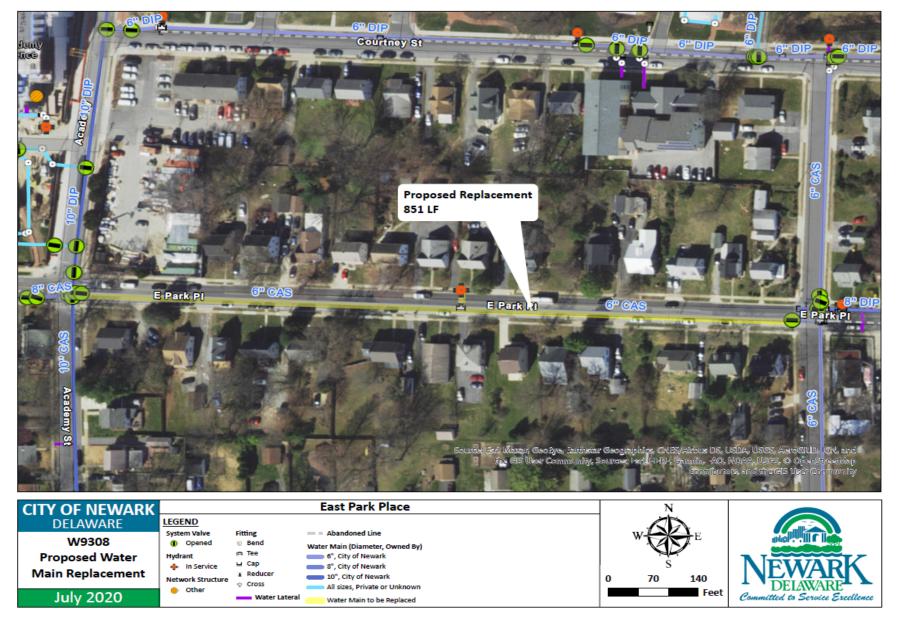
Hillcroft Road



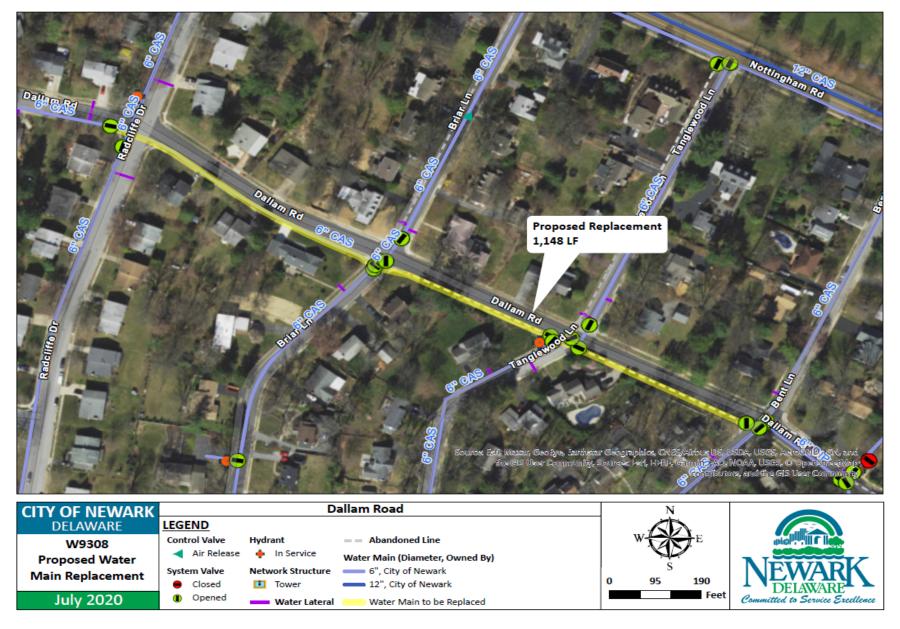
Chrysler Avenue



East Park Place



Dallam Road



**Eberly Drive** 



#### \*Prior Authorized Balance includes 2020 carryover funding only.



**PROJECT NO:** W8605

PROJECT TITLE: **Water Tank Maintenance**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2022 2023 2024 2025 **Total 5 Year** 2021 2,219,070 1.719.070 500,000 80,930 80,930 2021-2025 Funding: \$ 1,800,000 \$ \$ 2.300,000 500.000

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL	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:	\$ 2,686,109
Est. Spend @ 12/31/2020 (if underway):	\$ 386,109
% Complete (if underway):	14.4%
Balance to be funded¹:	\$ 2,300,000

<sup>&</sup>lt;sup>1</sup> 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	\$ 2,300,000
TOTAL PRO	DJECT COST	\$ 2,300,000

<sup>&</sup>lt;sup>2</sup> 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 FINANCING BY PLAN YEAR													
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP				
CURRENT RESOURCES	_	ī	-	\$ -	-	500,000	1	-	-	\$ 500,000				
CAPITAL RESERVES	17,039	-	17,039	\$ -	-	-	-	-	-	\$ -				
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -				
GRANTS (SPECIFY)	-	ı	-	\$ -	-	-	ı	1	-	\$ -				
BOND ISSUES	-	ı	-	\$ -	-	-	ī	1	1	\$ -				
STATE REVOLVING LOAN	450,000	1	369,070	\$ 80,930	1,800,000		1	1	-	\$ 1,800,000				
OTHER (SPECIFY)	-	-	-	\$ -	-	-	1	-	-	\$ -				
TOTAL:	\$ 467,039	\$ -	\$ 386,109	\$ 80,930	\$ 1,800,000	\$ 500,000	\$ -	\$ -	\$ -	\$ 2,300,000				
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL				
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	-	-	-	-	-	\$ -						

#### \*Prior Authorized Balance includes 2020 carryover funding only.



PROJECT NO: WEQSF

PROJECT TITLE: Equipment Replacement Program

FUNDING SUMMARY:

New Funding:

\*Prior Authorized Balance:

2024 2025 **Total 5 Year** 2021 2022 2023 35,000 50,000 200,000 65,000 50,000 35,000 \$ 50.000 50.000 S 200.000 65,000

PROJECT STATUS: Reoccurring (with no end date)

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 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:	\$	562,263
Est. Spend @ 12/31/2020 (if underway):	\$	362,263
% Complete (if underway):		64.4%
Balance to be funded¹:	\$	200,000

<sup>&</sup>lt;sup>1</sup> 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:	5295206.9623	\$ 200,000
TOTAL PRO	DJECT COST	\$ 200,000

<sup>&</sup>lt;sup>2</sup> 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 (2020-2024).

Truck 206 needs to be replaced. Have spent too much on this truck for repairs coupled with the amount of time out of service. All other vehicles can be pushed to another out year. No major equipment purchases in this department in this CIP. Dump Truck and Backhoe replaced in 2020.

2022 and 2023 need to be revised to reflect the pushed vehicles once final.

2021-2025 Funding: \$

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	89,155	1	89,155	\$ -	9,989	30,564	12,001	30,459	-	\$ 83,013
CAPITAL RESERVES	-	-	-	\$ -	-	-	1	-	-	\$ -
EQUIPMENT REPLACEMENT	213,546	-	273,108	\$ (59,562)	25,011	34,436	37,999	19,541	-	\$ 116,987
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	-	ı	1	\$ -	-	1	1	-	-	\$ -
STATE REVOLVING LOAN	-	1	1	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	1	1	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 302,701	\$ -	\$ 362,263	\$ (59,562)	\$ 35,000	\$ 65,000	\$ 50,000	\$ 50,000	\$ -	\$ 200,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	Γ:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

## CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025 WATER AND WASTEWATER UTILITIES

					MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEHICLE			PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		REPLA	CEMENT	COSTS	
NUMBER	DESCRIPTION		DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021	2022	2023	2024	2025
	STAFF VEHICLES														
215	2019 Chevrolet Equinox AWD		06/03/19	22,122	712	60,000	10	2029	2029	22,122					
226	2012 Toyota Camry Hybrid	a.	03/19/12	16,148	10,895	70,000	10	2022	2020	16,148					
	LINE TRUCKS														
202	2012 Ford F350	a.	10/18/12	74,095	41,441	80,000	8	2020	2019	74,095					
207	2005 Int'l 7400 Dump Truck	a.	08/05/05	95,845	43,258	36,000	8	2013	2020	95,845					
	PICK-UPS & VANS														
204	2016 Ford F350 Dump Truck		09/02/16	34,155	7,242	85,000	10	2026	2026	34,155					
204	2014 Ford F150 Pickup Truck		12/31/14	25,011	123,533	120,000	5	2020	2020	25,011	35,000				
200	2009 Ford F250 Pickup Truck, Supercab		06/05/09	25,267	64,229	80,000	10	2019	2021	25,011	33,000	40,000			
	2017 Ford F250 Pickup Truck, Supercab		08/30/17		8,624	100,000		2019	2022						
218	·			30,512			10			30,512			F0 000		
224	2012 Ford F250 Pickup Truck		10/25/12	37,999	36,746	80,000	10	2022	2023	37,999			50,000		
241	2015 Ford Transit Connect	C.	12/31/14	21,491	36,726	100,000	10	2025	2025	21,491					-
244	2016 Ford F250 Pickup Truck, Reg. Cab 4x4		07/21/16	26,959	17,875	100,000	10	2026	2026	26,959					
299	2013 Ford F150 Pickup Truck, Ext. Cab		06/28/13	19,541	32,955	100,000	10	2023	2024	19,541				50,000	
	OTHER EQUIPMENT														
201	1994 Ingersoll Air Compressor P175 Rand		09/09/94	9,169			15	2009	2022	9,169		25,000			
220	2011 Case 590 SN Loader/Backhoe	a.	10/14/11	117,701			9	2020	2020	117,701					
			-, ,	, -						, -					
TOTAL WAT	FER AND WASTE WATER UTILITY						GROSS AC	QUISITION C	OST		\$ 35,000	\$ 65,000	\$ 50,000	\$ 50,000	\$ -
							LESS: US	E OF CAPITAL	RESERVES		-	-	-	-	-
ā	a. This vehicle is scheduled to be replaced in 2020.						LESS: US	E OF CURREN	T RESOURC	CES	(9,989)	(30,564)	(12,001)	(30,459)	
C	c. 2025 Replacement Cost will be added when estim	nate recei	ved.				NET EQUIF	PMENT SINKI	NG FUND T	OTAL	\$ 25,011	\$ 34,436	\$ 37,999	\$ 19,541	\$ -



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

**EXECUTIVE SUMMARY** 

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - SEWER DIVISION

#### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET						
		FY2020	FY2021	FY2020 Appr'd	% +/- over	
Object Level Detail:		Appr'd	Rec'd	vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages		221,218	223,609	2,391	1.08%	*Step increases and advancements
Part-time Wages		6,500	 -	(6,500)	-100.00%	*Decrease of -\$6,500 is due to the removal of our Interns in FY2021
Other Wages		23,518	 19,600	(3,918)	-16.66%	*Decrease in FY2021 is related to the removal of -\$1,678 from our Service Award line as well as the remoal of -\$1,240 from our Sick Pay line related to staffing changes. Additionally, our budgeted OT line decreased by -\$1,000 in FY2021.
Benefits		114,649	 87,975	(26,674)	-23.27%	*The overall decrease in FY2021 is largely due to the following changes. Line item 6940 (City Pension Plan) decreased by -\$22,654 and line item 6960 (Group Hospitalization) decreased by -\$5,170. *Please note, item 6940 is currently under review by finance and the disbursement allocation will be updated City-wide following the departmental budget hearings.
Personnel Services	\$	365,885	\$ 331,184	(34,701)	-9.48%	*Sum of above listed wages and benefits
Utility Purchases	\$	5,600,000	\$ 5,600,000	-	0.00%	*No change from FY2020 to FY2021, based off current trends
Materials and Supplies	\$	28,261	\$ 24,700	(3,561)	-12.60%	*Decrease of \$739 is largely due to an decrease of \$2,000 for 7130 (Tools, Field Sup. & Small Equip.), and an increase of \$1,261 for 7131 (IT Supplies)
Contractual Services	\$	332,377	\$ 315,225	(17,152)	-5.16%	*Overall decrease in FY2021 is largely due to the reductions of -\$17,000 to line item 8260 (Line Maintenance) as well as a reduction of -\$2,000 to line item 8265 (Easement Clearing)
Debt Service	\$	35,000	\$ 93,000	58,000	165.71%	*Finance Calculation
Depreciation	\$	35,086	\$ 35,882	796	2.27%	*Finance Calculation
Other Expenditures	\$	8,590	\$ 7,049	(1,541)	-17.94%	*Decrease in FY2021 is largely due to reduction of -\$1,500 to line item 9070 (Training)
Subtotal:	\$	6,405,199	\$ 6,407,040	\$ 1,841	0.03%	
Inter-Dept. Charges	\$	323,013	\$ 403,062	80,049	24.78%	*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:	\$	6,728,212	\$ 6,810,102	\$ 81,890	1.22%	
Full-time Positions		4	4	0		*No change from FY2020 to FY2021.
CAPITAL IMPROVEMENT P	LAN (CIP)					
Project ID:	Proje	ct Description:				Comments
New projects:	N/A					*No new projects planned in 2021-2025 CIP
Ongoing projects: S0904		ry Sewer Study an				Perpetual Project

SEQSF

**Equipment Replacement Program** 

Perpetual Project



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

### **2021 OPERATING EXPENDITURES**

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

#### Summary:

SEWER DIVISION - SUMMARY	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET	DIFFERENCE ROM 2020-21	% DIFFERENCE FROM 2020-21
REVENUES								
Sewer Service Charge	\$ 7,149,429	\$ 7,018,863	\$ 7,194,805	\$ 7,371,745	\$ 7,515,106	\$ 6,800,000	\$ (715,106)	-9.5%
Penalties	23,591	22,094	18,250	26,647	21,310	21,500	190	0.9%
Service Fees	749	12,970	24,403	16,126	18,130	18,600	470	2.6%
Other Revenues	37,239	49,944	200	696	150	700	550	366.7%
Interest Revenue	29,323	36,020	35,646	41,788	32,140	33,000	860	2.7%
Subtotal	\$ 7,240,331	\$ 7,139,891	\$ 7,273,304	\$ 7,457,002	\$ 7,586,836	\$ 6,873,800	\$ (713,036)	-9.4%
Less: County Sewer Charge	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gross Operating Revenue	\$ 7,240,331	\$ 7,139,891	\$ 7,273,304	\$ 7,457,002	\$ 7,586,836	\$ 6,873,800	\$ (713,036)	-9.4%
OPERATING EXPENSES								
Personnel Services	\$ 285,547	\$ 335,085	\$ 345,956	\$ 370,996	\$ 365,885	\$ 331,184	\$ (34,701)	-9.5%
Utility Purchases	4,609,867	4,639,046	4,719,771	5,350,831	5,600,000	5,600,000	-	0.0%
Materials & Supplies	12,713	20,837	24,638	20,927	28,261	24,700	(3,561)	-12.6%
Contractual Services	196,195	255,430	278,791	278,808	332,377	315,225	(17,152)	-5.2%
Other Charges	21,419	50,889	39,223	42,636	78,676	135,931	57,255	72.8%
Subtotal	\$ 5,125,741	\$ 5,301,287	\$ 5,408,379	\$ 6,064,198	\$ 6,405,199	\$ 6,407,040	\$ 1,841	0.0%
Inter-Dept. Charges	392,847	439,866	329,871	361,261	323,013	403,062	80,049	24.8%
Total Operating Expenses	\$ 5,518,588	\$ 5,741,153	\$ 5,738,250	\$ 6,425,459	\$ 6,728,212	\$ 6,810,102	\$ 81,890	1.2%
Net Operating Margin (Before Capital Costs)	\$ 1,721,743	\$ 1,398,738	\$ 1,535,054	\$ 1,031,543	\$ 858,624	\$ 63,698	\$ (794,926)	-92.6%

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

#### **Expenditures:**

PERSONNEL SEF	ONNEL SERVICES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	2020 BUDGET AS AMENDED			2021 BUDGET
5395302	6200	Line Maintenance	\$ 168,187	\$ 203,280	\$ 201,600	\$ 218,053	\$	221,218	\$	223,609
5395302	6580	Service Award	1,351	1,413	1,412	1,579		1,678		-
5395302	6590	Sick Pay	1,262	5,008	1,008	871		1,240		-
5395302	6615	Interns	3,960	5,252	5,928	4,973		6,500		-
5395302	6620	Overtime	13,254	18,635	20,672	23,900		17,000		16,000
5395302	6880	Uniform Allowance	1,075	2,350	2,400	2,400		2,400		2,400
5395302	6885	Device Reimbursement	-	-	1,200	1,200		1,200		1,200
5395302	6920	Unemployment Comp. Ins.	1,792	1,876	1,213	1,223		1,424		1,188
5395302	6930	Social Security Taxes	14,192	17,800	17,579	18,845		18,719		18,230
5395302	6940	City Pension Plan	18,470	16,028	27,148	32,681		22,654		-
5395302	6941	Defined Contribution 401(a) Plan	7,524	9,313	10,102	11,031		11,276		15,959
5395302	6950	Term Life Insurance	933	827	968	1,210		1,070		2,592
5395302	6960	Group Hospitalization Ins.	41,801	40,901	41,885	41,527		44,837		39,667
5395302	6961	Long-Term Disability Ins.	360	313	367	493		513		1,034
5395302	6962	Dental Insurance	2,687	2,450	2,331	2,331		2,519		2,012
5395302	6963	Flexible Spending Account	42	-	-	65		63		63
5395302	6964	HSA City Contributions	-	-	750	750		1,500		750
5395302	6965	Post-Employment Benefits	4,961	5,620	5,062	3,513		5,068		-
5395302	6966	Retirement Health Savings Account	3,554	3,869	4,129	4,199		4,263		5,772
5395302	6967	<b>Emergency Room Reimbursements</b>	-	-	50	-		580		580
5395302	6968	Vision Insurance Premiums	142	150	152	152		163		128
TOTAL PERSONN	EL SERVI	CES	\$ 285,547	\$ 335,085	\$ 345,956	\$ 370,996	\$	365,885	\$	331,184

\$ 2,391			
\$ 2,391	\$ [	DIFFERENCE	% DIFFERENCE
(1,678)       -100.0%         (1,240)       -100.0%         (6,500)       -100.0%         (1,000)       -5.9%         -       0.0%         (236)       -16.6%         (489)       -2.6%         (22,654)       -100.0%         4,683       41.5%         1,522       142.2%         (5,170)       -11.5%         521       101.6%         (507)       -20.1%         -       0.0%         (750)       -50.0%         (5,068)       -100.0%         1,509       35.4%         -       0.0%         (35)       -21.5%	FRC	M 2020-21	FROM 2020-21
(1,678)       -100.0%         (1,240)       -100.0%         (6,500)       -100.0%         (1,000)       -5.9%         -       0.0%         (236)       -16.6%         (489)       -2.6%         (22,654)       -100.0%         4,683       41.5%         1,522       142.2%         (5,170)       -11.5%         521       101.6%         (507)       -20.1%         -       0.0%         (750)       -50.0%         (5,068)       -100.0%         1,509       35.4%         -       0.0%         (35)       -21.5%		2 204	4.40/
(1,240) -100.0% (6,500) -100.0% (1,000) -5.9%  - 0.0% (236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%	Ş	,	
(6,500) -100.0% (1,000) -5.9% - 0.0% - 0.0% (236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		, , ,	
(1,000) -5.9% - 0.0% - 0.0% (236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		` ' '	
- 0.0% (236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		` ' '	
- 0.0% (236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		(1,000)	-5.9%
(236) -16.6% (489) -2.6% (22,654) -100.0% 4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		-	0.0%
(489)       -2.6%         (22,654)       -100.0%         4,683       41.5%         1,522       142.2%         (5,170)       -11.5%         521       101.6%         (507)       -20.1%         -       0.0%         (750)       -50.0%         (5,068)       -100.0%         1,509       35.4%         -       0.0%         (35)       -21.5%		-	0.0%
(22,654)     -100.0%       4,683     41.5%       1,522     142.2%       (5,170)     -11.5%       521     101.6%       (507)     -20.1%       -     0.0%       (750)     -50.0%       (5,068)     -100.0%       1,509     35.4%       -     0.0%       (35)     -21.5%		(236)	-16.6%
4,683 41.5% 1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		(489)	-2.6%
1,522 142.2% (5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		(22,654)	-100.0%
(5,170) -11.5% 521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		4,683	41.5%
521 101.6% (507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		1,522	142.2%
(507) -20.1% - 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		(5,170)	-11.5%
- 0.0% (750) -50.0% (5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		521	101.6%
(750)     -50.0%       (5,068)     -100.0%       1,509     35.4%       -     0.0%       (35)     -21.5%		(507)	-20.1%
(5,068) -100.0% 1,509 35.4% - 0.0% (35) -21.5%		-	0.0%
1,509 35.4% - 0.0% (35) -21.5%		(750)	-50.0%
- 0.0% (35) -21.5%		(5,068)	-100.0%
(35) -21.5%		1,509	35.4%
		-	0.0%
		(35)	-21.5%
\$ (34,701) -9.5%		<del>, , ,</del>	
	\$	(34,701)	-9.5%
		<u> </u>	

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 SEWER DIVISION

Title	Union Affiliation	Grade	2020 # of Positions	2020 Approved		2021 Requested		\$ Difference	% Change
FULL TIME POSITIONS									
Maintenance IV	AFSCME LOCAL 1670 F/T	8	2.0	\$ 118,380	2.0	\$ 121,344	0.0	\$ 2,964	2.5%
Maintenance I	AFSCME LOCAL 1670 F/T	1		\$ -	1.0	\$ 48,127	1.0	\$ 48,127	100.0%
Equipment Operator	AFSCME LOCAL 1670 F/T	3	2.0	\$ 102,838	1.0	\$ 54,138	(1.0)	\$ (48,700)	-47.4%
Total Full-Time Positions			4.0	\$ 221,218	4.0	\$ 223,609	0.0	\$ 2,391	1.1%
PART-TIME FUNDING									
Intern				\$ 6,500		\$ -		\$ (6,500)	-100.0%
Total Part-Time Funding				\$ 6,500		\$ -		\$ (6,500)	-100.0%
<u>OTHER</u>									
Service Award				\$ 1,678		\$ -		\$ (1,678)	-100.0%
Sick Pay				\$ 1,240		\$ -		\$ (1,240)	-100.0%
Overtime				\$ 17,000		\$ 16,000		\$ (1,000)	-5.9%
Uniform Allowance				\$ 2,400		\$ 2,400		\$ -	0.0%
Device Reimbursements				\$ 1,200		\$ 1,200		\$ -	0.0%
Total Other				\$ 23,518		\$ 19,600		\$ (3,918)	-16.7%
<u> </u>									
Total All			4.0	\$ 251,236	4.0	\$ 243,209	0.0	\$ (8,027)	-3.2%

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

#### **Expenditures:**

MATERIALS AN	D SUPPI	LIES	ı	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
5395303	7110	Safety Shoes and Supplies	\$	790	\$ 700	\$ 818	\$ 659	\$ 1,500	\$ 1,200
5395303	7130	Tools, Field Sup., & Small Eq.		2,215	6,077	7,168	8,967	8,000	6,000
5395303	7131	Information Technology Supplies		-	-	-	-	1,261	-
5395303	7260	Line Maintenance		9,641	13,520	16,498	11,634	16,000	16,000
5395303	7270	Station Maintenance		187	376	827	141	1,500	1,500
5395303	7540	Inventory Adjustment		(120)	164	(673)	(474)	-	-
TOTAL MATERIA	LS & SUP	PLIES	\$	12,713	\$ 20,837	\$ 24,638	\$ 20,927	\$ 28,261	\$ 24,700

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
Ś	(300)	-20.0%
Ş	` ′	
	(2,000)	-25.0%
	(1,261)	-100.0%
	-	0.0%
	-	0.0%
	<u>-</u>	0.0%
\$	(3,561)	-12.6%

CONTRACTUAL	SERVICE	ES .	2016	2017	2018	2019		0 BUDGET	2021
			ACTUAL	ACTUAL	ACTUAL	ACTUAL	AS.	AMENDED	BUDGET
5395304	8030	Casualty Insurance	\$ 3,764	\$ 1,952	\$ 1,956	\$ 1,888	\$	2,100	\$ 4,382
5395304	8031	Insurance - Property	-	1,528	2,473	2,173		2,470	2,682
5395304	8032	Insurance - Auto	-	-	-	-		2,110	2,866
5395304	8033	Insurance - Broker	-	333	442	455		448	974
5395304	8035	Insurance - Worker's Compensation	-	-	-	7,930		11,050	11,050
5395304	8040	Merchant Fees and Discounts	65,261	75,849	76,384	79,817		75,000	75,000
5395304	8050	Phone/Communications	-	1,375	-	-		-	-
5395304	8120	Outside Engineering	49,001	27,171	18,246	36,115		40,000	40,000
5395304	8131	Information Technology Cont'l	17,667	53,034	36,215	38,161		63,692	59,782
5395304	8260	Line Maintenance	42,164	50,442	34,041	40,430		75,000	60,000
5395304	8265	Easement Clearing	15,386	3,716	3,100	16,050		12,500	10,000
5395304	8270	Station Maintenance	2,952	14,950	8,418	10,452		15,000	15,000
5395304	8312	Fleet & Facilities Services	-	25,620	94,711	45,337		33,007	33,489
5395304	8313	Self-Insurance Services	-	-	2,261	-		-	-
5395304	8550	Misc. Contracted Services	-	(540)	544	-		-	
TOTAL CONTRAC	TUAL SEI	RVICES	\$ 196,195	\$ 255,430	\$ 278,791	\$ 278,808	\$	332,377	\$ 315,225

\$ [	DIFFERENCE	% DIFFERENCE
FRC	OM 2020-21	FROM 2020-21
	2 202	400 70/
\$	2,282	108.7%
	212	8.6%
	756	35.8%
	526	117.4%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	(3,910)	-6.1%
	(15,000)	-20.0%
	(2,500)	-20.0%
	-	0.0%
	482	1.5%
	-	0.0%
	<u>-</u>	0.0%
\$	(17,152)	-5.2%

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

#### **Expenditures:**

OTHER CHARGE	S		Į.	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
5395305	9002	Subvention - Aetna Hook and Ladder	\$	-	\$ -	\$ -	\$ 3,868	\$ 3,500	\$ 3,500
5395305	9010	Bad Debt Expense		876	225	1,108	335	2,590	2,549
5395505	9161	Debt Service Interest - SRL Funded Capital		-	-	-	-	35,000	93,000
5395305	9060	Depreciation Expense		19,482	49,152	36,379	37,423	35,086	35,882
5395305	9070	Training & Continuing Educ/Conf		355	1,512	1,736	1,010	2,500	1,000
5395305	9099	Contingencies		706	-	-	-	-	-
TOTAL OTHER CH	ARGES		\$	21,419	\$ 50,889	\$ 39,223	\$ 42,636	\$ 78,676	\$ 135,931

\$	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	-	0.0%
	(41)	-1.6%
	58,000	165.7%
	796	2.3%
	(1,500)	-60.0%
	<u>-</u>	0.0%
\$	57,255	72.8%

INTER-DEPT. CHARGES	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET
Administrative Overhead	\$ 122,005	\$ 221,346	\$ 119,707	\$ 167,984	\$ 139,004	\$ 146,632
Billings and Accounting	89,924	96,055	45,564	55,541	59,717	88,346
Buildings and Grounds	3,851	-	-	-	-	-
Electricity	12,810	10,911	12,227	10,400	9,628	11,230
Information Technology	199,366	83,848	86,381	58,119	90,640	91,699
Other Indirect Charges	(42,465)	25,670	63,169	67,123	22,259	63,185
Vehicle and Equipment	4,440	-	-	-	-	-
Warehousing	2,916	2,036	2,823	2,094	1,765	1,970
TOTAL INTER-DEPT. CHARGES	\$ 392,847	\$ 439,866	\$ 329,871	\$ 361,261	\$ 323,013	\$ 403,062

	\$ DIFFERENCE	% DIFFERENCE
F	ROM 2020-21	FROM 2020-21
\$	7,628	5.5%
	28,629	47.9%
	-	0.0%
	1,602	16.6%
	1,059	1.2%
	40,926	183.9%
	-	0.0%
	205	11.6%
\$	80,049	24.8%

OPERATING EXPENSES - SEWER DIVISION	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET
TOTAL OPERATING EXPENSES	\$ 393,034	\$ 1,102,107	\$ 1,018,479	\$ 1,074,628	\$ 1,128,212	\$ 1,210,102

\$	81,890	7.3%
FRC	M 2020-21	FROM 2020-21
\$ [	DIFFERENCE	% DIFFERENCE



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT SEWER DIVISION

**2021-2025 CAPITAL IMPROVEMENT PROGRAM** 

## CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2021-2025

(with current year amended budget)

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

\*Prior Authorized Balance:

2021-2025 Funding:

**New Funding:** 

FUNDING

2023

1,000,000

2022

1,850,000

200,000

2021

800,000

SUMMARY

1,350,000

2025

1,000,000

Total 5 Year

5,200,000

1,000,000

2024

								*Prior	Authorized Ba	alance	ncludes 2020 ca	rryove	r funding only.	_,	_,	0,200,000
PROJECT NUMBER	PROJECT NAME	*	2020 BUDGET AS AMENDED	RES	20 ERVES AND ER FUNDING	CUR	 RENT DING		2021		2022		2023	2024	2025	TOTAL
S0904 SEQSF	Sanitary Sewer Study and Repairs Equipment Replacement Program	B B	\$ 1,000,000	\$	800,000	\$		\$	800,000	\$	1,800,000 250,000	\$	1,000,000	\$ 1,000,000 350,000	\$ 1,000,000	\$ 5,600,000 600,000
Total Sev	ver Fund - Sewer Division		\$ 1,000,000	\$	800,000	\$		\$	800,000	\$	2,050,000	\$	1,000,000	\$ 1,350,000	\$ 1,000,000	\$ 6,200,000
PLANNED	FINANCING SOURCES															
	GROSS CAPITAL IMPROVEMENTS LESS: USE OF RESERVES		\$ 1,000,000	\$	800,000	\$	-	\$	800,000	\$	2,050,000	\$	1,000,000	\$ 1,350,000	\$ 1,000,000	\$ 6,200,000
	VEHICLE & EQUIPMENT REPLACEMENT GRANTS		-		-		-		-		-		-	(234,160)	-	(234,160)
	BOND ISSUES STATE REVOLVING LOANS OTHER FINANCING SOURCES		(1,000,000)		- (800,000) -		- - -		- (800,000) -		(1,800,000)		- - -	 - - -	 - - -	(2,600,000)
	NET CAPITAL IMPROVEMENTS		\$ -	\$	-	\$		\$	-	\$	250,000	\$	1,000,000	\$ 1,115,840	\$ 1,000,000	\$ 3,365,840

<sup>\*</sup> Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

#### \*Prior Authorized Balance includes 2020 carryover funding only.



PROJECT NO: S0904

**PROJECT TITLE:** Sanitary Sewer Study and Repairs **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2021 2022 2023 2024 2025 **Total 5 Year** 4,600,000 1,600,000 1,000,000 1,000,000 1,000,000 800,000 200,000 1,000,000 \$ 1.000.000 \$ 1.000.000 2021-2025 Funding: 800.000 \$ 1.800.000 \$ 1.000.000 \$ 5,600,000

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	erway and must be completed									
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:										
	Sustainable Community									

§ 806.1(3) SUMMARY OF PROJECT DATA									
First Year in Program:	200	)9							
Est. Completion Date:	Perpetu	al							
Est. Useful Life (in years):	50	)+							
Est. Total Cost:	\$ 5,746,663	1							
Est. Spend @ 12/31/2020 (if underway):	\$ 146,663	1							
% Complete (if underway):	2.6	%							
Balance to be funded¹:	\$ 5,600,000	0							

<sup>&</sup>lt;sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY											
CLASSIFICATION	ACCOUNT NUMBER		AMOUNT								
Labor:		\$	-								
Materials:		\$	-								
Other Contracts:	5395306.9760	\$	5,600,000								
TOTAL PRO	JECT COST	\$	5,600,000								

<sup>&</sup>lt;sup>2</sup> 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 vear and/or "out vears."

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

#### REFERENDUM PROJECT

'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 throught the State Revolving Loan Fund. This flow monitoring will allow us to target inspections on those areas where we are experiencing the most rainfall derived inflow and infiltration (RDII) which is a good indicator of structural damage in pipes. (rainfall can get into the pipes through cracks and holes). This will allow for a more targeted, data driven approach to investigations. The flow monitoring will also be used for a capacity model that will allow us to target select lines for capacity increases when performing rehabilitation efforts.

In 2020, we plan to continue the inspection of our sewer collection and transmission system and complete any repairs recommended by these inspections. Inspection area maps are included. We also intend to develop and implement the plan for our pump station emergency by-pass at our two primary pump stations.

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. Need to close \$1.3mm in both 2020 and 2021. Spending can be spread until 2022 as shown in previous budget. Scheduled to go to WIAC in Fall 2020 for \$2.6mm loan application (Phase 2 and 3).

\$1,300,000 authorized SRF spending to be completed by end of 2020. If approved in 2020, loan will close in late 2020 to provide funding for 2021 and 2022 projects.

\$55,000 was added in 2019 in order to recognize the capitalized interest payments for debt service for the State Revolving Loan. This is scheduled to move into OPEX for 2020 per accounting rules. 2021 should be calculated on interest only on \$1.3mm.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	_	\$ -	-	-	1,000,000	1,000,000	1,000,000	\$ 3,000,000
CAPITAL RESERVES	146,661	3,473	143,188	\$ -	-	-	-	1	-	\$ -
EQUIPMENT REPLACEMENT	-	1	-	\$ -	1	-	1	1	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	1	-	\$ -
BOND ISSUES	-	1	-	\$ -	1	-	1	1	-	\$ -
STATE REVOLVING LOAN	1,000,000	1	-	\$ 1,000,000	800,000	1,800,000	-	1	-	\$ 2,600,000
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,146,661	\$ 3,473	\$ 143,188	\$ 1,000,000	\$ 800,000	\$ 1,800,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,600,000
§ 806.1(4) ESTIMATED ANNUAL COST O	Γ:	2021	2022	2023	2024	2025	TOTAL			
OPERATING / MAINTAINING PROJECT OR A	SAVINGS)	-	-	-	-	-	\$ -			

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#### \*Prior Authorized Balance includes 2020 carryover funding only.



PROJECT NO: SEQSF

PROJECT TITLE: Equipment Replacement Program

\*Prior Authorized Balance: 2021-2025 Funding:

_	2021	2022	2 2023 2024				2025	To	otal 5 Year
g:	\$ -	\$ 250,000	\$	-	\$	350,000	\$ 1	\$	600,000
e:	\$ -	\$ -	\$	-	\$	-	\$ -	\$	-
g:	\$ -	\$ 250,000	\$	-	\$	350,000	\$ -	\$	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 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:	\$	600,000
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$	600,000

<sup>&</sup>lt;sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY											
CLASSIFICATION	ACCOUNT NUMBER		AMOUNT								
Labor:		\$	-								
Materials:		\$	-								
Other Contracts:	5395306.9623	\$	600,000								
TOTAL PRO	\$	600,000									

<sup>&</sup>lt;sup>2</sup> 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 (2020-2024).

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 verstility 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. In 2023, we will need to fund major projects with current resources, so 2022 wil be the 'lowest out of pocket cost' year unless we go back to referendum for out years.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	250,000		115,840	-	\$ 365,840
CAPITAL RESERVES	-	-	-	\$ -	1	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	234,160	-	\$ 234,160
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	1	-	\$ -	-	1	1	-	1	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	1	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ -	\$ 350,000	\$ -	\$ 600,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPERATING IMPACT:			2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

## CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025 SEWER UTILITY

V5111015		DUDGUAGE	DUDGUAGE		RECOM'D	NORMAL			EQUIPMENT						
VEHICLE		PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING					T COSTS	
NUMBER	DESCRIPTION	DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021		2022	2023	2024	2025
	STAFF VEHICLES														
304	2006 Int'l 4300 Jetter Truck	11/11/05	146,156	124,257		10	2015	2022	-			250,000			
305	2017 Western Star 4700SB	10/13/16	234,160	12,755		8	2024	2024	234,160					350,000	
														_	
TOTAL SEWE	R UTILITY					GROSS AC	QUISITION C	OST		\$	- \$	250,000	\$	- \$ 350,000	\$ -
-						LESS: USE	OF CAPITAI	RESERVES			-	-			_
						LESS: USE	OF CURREN	IT RESOURC	ES		-	(250,000)		- (115,840	-
						NET EQUIP	MENT SINK	NG FUND T	OTAL	\$	- \$	-	\$	- \$ 234,160	\$ -

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# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STORMWATER DIVISION

**EXECUTIVE SUMMARY** 

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

#### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET						
	FY2020	FY2021		20 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2	2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages	315,902	364,685		48,783	15.44%	*Increase in 2021 is due to addition of 1 FTE (Engineering Technician) budgeted salary
Part-time Wages	 28,682	 20,500		(8,182)	-28.53%	*Decrease in FY2021 is largely due to the removal of our Maintenance PT Street Sweeper in
						the amount of -\$15,682. Additionally, our Seasonal budget increased by \$7,500 in FY2021
Other Wages	 27,197	 27,923		726	2.67%	*Small increase in FY2021 is due to an increase to our Service Award allocation
Benefits	 246,264	 258,991		12,727	5.17%	*The overall increase in FY2021 is largely due to the following changes. Line item 6950 (Term
						Life Insurance) increased by \$2,607 and line item 6960 (Group Hospitalization) increased by
						\$8,967. *Please note, item 6950 is currently under review by finance and the disbursement
						allocation will be updated City-wide following the departmental budget hearings.
Personnel Services	\$ 618,045	\$ 672,099		54,054	8.75%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 27,100	\$ 25,300		(1,800)	-6.64%	*Overall decrease in FY2021 is related to reductions of -\$600 to line item 7110 (Safety Shoes,
						and Supplies), -\$200 to line item 7130 (Tools, Field Sup. & Small Equip.) and -\$2,000 to line
						item 7401 (Stormwater Program Supplies). Additoinally, line item 7400 (Storm Sewer
						Maintenance) increased by \$1,000 in FY2021
Contractual Services	\$ 262,036	\$ 249,053		(12,983)	-4.95%	*FY2021 sees a large reduction in the amount of -\$33,333 to line item 8120 (Outside
						Engineering). This large reduction is partially offset by the following increases in FY2021. City-
						Wide changes related to our insurance coverage increased our insurance lines by a total of
						\$7,823. Additionally, line item 8130 (Bldg. & Equip. Rental) increased by \$2,500, line item 8401 (Stormwater Contractual) increased by \$5,000 and line item 8550 (Misc. Contracted
						Svc.) increased by \$3,400
Debt Service	\$ 120,000	\$ 498,000		378,000	315.00%	*Finance Calculation
Depreciation	\$ 52,283	\$ 53,593		1,310	2.51%	*Finance Calculation
Other Expenditures	\$ 54,800	\$ 53,000		(1,800)	-3.28%	*Decrease in FY2021 is due to reduction of -\$1,800 to line item 9070 (Training)
Subtotal:	\$ 1,134,264	\$ 1,551,045	\$	416,781	36.74%	
Inter-Dept. Charges	\$ 441,526	\$ 266,149		(175,377)	-39.72%	*Reflects the cost share of City overhead which includes: Administrative Overhead, Billings
						and Accounting, Electricity Used, Information Technology, Other Indirect Charges and
						Printing and Reproduction
Total Operating Expenses:	\$ 1,575,790	\$ 1,817,194	\$	241,404	15.32%	
Full-time Positions	5	6		1		*Increase of 1 FTE in FY2021. Within the Public Works and Water Resources Department, one
						Engineering Technician FTE was moved from the Engineering Divsion to the Stormwater
						Division

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION

#### **EXECUTIVE SUMMARY (continued)**

CAPITAL IMPROVEMENT PL	AN (CIP)		
Project ID:	Project Description:	Comments	
New projects:	N/A	*No new projects planned in 2021-2025 CIP	
Ongoing projects:			
Q1802	Rodney Regional Stormwater Park	Projected to be completed by EOY 2020	
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

### **2021 OPERATING EXPENDITURES**

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

#### Summary:

STORMWATER DIVISION - SUMMARY	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	020 BUDGET S AMENDED	2021 BUDGET	DIFFERENCE OM 2020-21	% DIFFERENCE FROM 2020-21
<u>REVENUES</u>								
Stormwater Service Fees	\$ -	\$ -	\$ 2,017,166	\$ 2,355,806	\$ 2,350,000	\$ 2,761,250	\$ 411,250	17.5%
Stormwater Penalties	-	-	10,550	27,792	23,000	23,000	-	0.0%
Stormwater Plan Review Fees	-	-	-	-	5,200	-	(5,200)	-100.0%
Stormwater As-Built Review	-	750	-	1,000	-	-	-	0.0%
Sediment & SWM Review Fee	-	6,965	9,310	21,701	11,510	11,600	90	0.8%
Sediment & SWM Inspection	-	1,250	11,750	11,000	13,675	13,700	25	0.2%
SWM Facility Annual Inspection	-	19,100	22,570	20,400	31,700	21,000	(10,700)	-33.8%
Capital Contributions		-	-	277,493	-	-		
Interest	-	-	9,365	5,712	5,500	2,500	(3,000)	-54.5%
Stormwater Management Fees	-	-	-	-	900	900	-	0.0%
Misc Revenue	-	-	400	295	200	200	-	0.0%
Gross Operating Revenue	\$ 	\$ 28,065	\$ 2,081,111	\$ 2,721,199	\$ 2,441,685	\$ 2,834,150	\$ 392,465	16.1%
OPERATING EXPENSES								
Personnel Services	\$ -	\$ 507,546	\$ 847,273	\$ 656,463	\$ 618,045	\$ 672,099	\$ 54,054	8.7%
Materials and Supplies	-	16,016	16,779	19,698	27,100	25,300	(1,800)	-6.6%
Contractual Services	-	242,796	171,126	161,440	262,036	249,053	(12,983)	-5.0%
Other Charges	-	679	27,714	40,547	227,083	604,593	377,510	166.2%
Subtotal	\$ -	\$ 767,037	\$ 1,062,892	\$ 878,148	\$ 1,134,264	\$ 1,551,045	\$ 416,781	36.7%
Inter-Dept. Charges	-	24,644	398,267	273,837	441,526	266,149	(175,377)	-39.7%
Total Operating Expenses	\$ -	\$ 791,681	\$ 1,461,159	\$ 1,151,985	\$ 1,575,790	\$ 1,817,194	\$ 241,404	15.3%
Net Operating Margin (Before Capital Costs)	\$ 	\$ (763,616)	\$ 619,952	\$ 1,569,214	\$ 865,895	\$ 1,016,956	\$ 151,061	17.4%

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

#### **Expenditures:**

ERSONNEL SE	RVICES		)16 TUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
5595502	6030	Engineering/Technical	\$ -	\$ 68,934	\$ 77,233	\$ 80,260	\$ 83,667	\$ 122,21
5595502	6200	Line Maintenance	-	42,800	52,767	54,642	53,832	56,14
5595502	6230	Maintenance Workers	-	186,490	153,629	183,157	194,085	186,32
5595502	6580	Service Award	-	8,761	11,183	10,356	10,489	12,26
5595502	6590	Sick Pay	-	2,374	1,363	1,508	2,968	2,70
5595502	6610	Seasonal Workers	-	-	8,332	-	6,500	14,0
5595502	6615	Interns	-	-	-	4,846	6,500	6,5
5595502	6620	Overtime	-	8,373	9,105	18,466	9,000	9,0
5595502	6623	Weekend Premium	-	1,108	-	-	-	
5595502	6880	Uniform Allowance	-	2,365	2,340	2,590	3,240	2,7
5595502	6885	Device Reimbursement	-	-	1,250	1,375	1,500	1,2
5595502	6920	Unemployment Comp. Ins.	-	1,920	1,593	1,693	1,936	1,6
5595502	6930	Social Security Taxes	-	24,055	23,446	26,702	27,802	30,4
5595502	6940	City Pension Plan	-	53,409	169,979	171,198	97,305	91,1
5595502	6941	Defined Contribution 401(a) Plan	-	2,544	164	2,221	3,778	3,9
5595502	6950	Term Life Insurance	-	1,344	1,310	1,658	1,483	4,0
5595502	6960	Group Hospitalization Ins.	-	77,050	81,788	76,631	84,648	93,6
5595502	6961	Long-Term Disability Ins.	-	512	500	670	732	1,6
5595502	6962	Dental Insurance	-	4,288	4,490	3,991	4,400	4,5
5595502	6965	Post-Employment Benefits	-	19,006	245,732	12,610	21,769	25,3
5595502	6966	Retirement Health Savings Account	-	1,307	85	863	1,421	1,4
5595502	6967	Emergency Room Reimbursements	-	754	800	800	725	7
5595502	6968	Vision Insurance Premiums	-	152	184	226	265	2
TAL PERSONN	IEL SERVI	CES	\$ -	\$ 507,546	\$ 847,273	\$ 656,463	\$ 618,045	\$ 672,0

T -	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	38,547	46.1%
Þ	•	
	2,315	4.3%
	(7,761)	-4.0%
	1,771	16.9%
	(265)	-8.9%
	7,500	115.4%
	-	0.0%
	-	0.0%
	-	0.0%
	(480)	-14.8%
	(300)	-20.0%
	(302)	-15.6%
	2,668	9.6%
	(6,143)	-6.3%
	178	4.7%
	2,607	175.8%
	8,967	10.6%
	951	129.9%
	169	3.8%
	3,540	16.3%
	22	1.5%
	73	10.1%
	(3)	-1.1%
Ġ	54,054	8.7%
۲	34,034	0.770

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 STORMWATER DIVISION

Title	Union Affiliation	Grade	2020 # of		2020			2021	Position		\$	%
		0.00	Positions		Approved	Positions		Requested	Difference		Difference	Change
FULL TIME POSITIONS												
Environmental Program Coordinator	CWA F/T	18	1.0	\$	83,667	1.0	\$	85,707	0.0	\$	2,040	2.4%
Engineering Technician *	CWA F/T	14		\$	, -	1.0	\$	36,507	1.0	\$	36,507	100.0%
Maintenance IV	AFSCME LOCAL 1670 F/T	8	2.0	\$	122,430	2.0	\$	127,714	0.0	\$	5,284	4.3%
Street Sweeper Operator	AFSCME LOCAL 1670 F/T	7	1.0	\$	55,973	1.0	\$	58,610	0.0	\$	2,637	4.7%
Equipment Operator	AFSCME LOCAL 1670 F/T	1	1.0	\$	53,832	1.0	\$	56,147	0.0	\$	2,315	4.3%
Total Full-Time Positions			5.0	\$	315,902	6.0	\$	364,685	1.0	\$	48,783	15.4%
PART-TIME FUNDING Maintenance (PT) Sidewalk Sweeper Seasonal	AFSCME LOCAL 1670 P/T			\$ \$	15,682 6,500		\$ \$	- 14,000		\$ \$	(15,682) 7,500	-100.0% 115.4%
Intern				\$	6,500		\$	6,500		\$	-	0.0%
Total Part-Time Funding				\$	28,682		\$	20,500		\$	(8,182)	-28.5%
OTHER												
Service Award				\$	10,489		\$	12,260		\$	1,771	16.9%
Sick Pay				\$	2,968		\$	2,703		\$	(265)	-8.9%
Overtime				\$	9,000		\$	9,000		\$	-	0.0%
Uniform Allowance				\$	3,240		\$	2,760		\$	(480)	-14.8%
Device Reimbursements				\$	1,500		\$	1,200		\$	(300)	-20.0%
Total Other				\$	27,197		\$	27,923		\$	726	2.7%
Total All			5.0	\$	371,781	6.0	\$	413,108	1.0	\$	41,327	11.1%

<sup>\*</sup> 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 AND SUPPLIES		20: ACT	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET		
5595503	7110	Safety Shoes and Supplies	\$	-	\$ 1,473	\$ 1,510	\$ 921	\$ 2,100	\$ 1,500
5595503	7130	Tools, Field Sup., Small Equip.		-	623	1,683	1,381	2,000	1,800
5595503	7400	Storm Sewer Maintenance		-	10,483	10,847	16,054	15,000	16,000
5595503	7401	Stormwater Program Supplies		-	3,437	2,739	1,342	8,000	6,000
TOTAL MATERIALS & SUPPLIES		\$	-	\$ 16,016	\$ 16,779	\$ 19,698	\$ 27,100	\$ 25,300	

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2020-21	FROM 2020-21
\$	(600)	-28.6%
	(200)	-10.0%
	1,000	6.7%
	(2,000)	-25.0%
\$	(1,800)	-6.6%

CONTRACTUAL	SERVICE	ES .	2016 CTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	O BUDGET AMENDED	E	2021 BUDGET
5595504	8030	Casualty Insurance	\$ -	\$ -	\$ -	\$ -	\$ 2,100	\$	6,572
5595504	8032	Insurance - Auto	-	-	-	-	5,276		7,166
5595504	8033	Insurance - Broker	-	-	-	-	-		1,461
5595504	8035	Insurance - Worker's Compensation	-	-	-	11,420	16,150		16,150
5595504	8040	Merchant Fees and Discounts	-	-	13,237	23,776	15,000		15,000
5595504	8050	Phone/Communications	-	900	-	-	-		-
5595504	8120	Outside Engineering	-	164,162	16,667	16,666	100,000		66,667
5595504	8130	Bldg. & Equip. Rental	-	-	-	2,055	2,500		5,000
5595504	8131	Information Technology Cont'l	-	-	17,215	19,001	20,304		20,869
5595504	8312	Fleet & Facilities Services	-	62,837	106,111	81,633	72,706		73,768
5595504	8313	Self-Insurance Services	-	-	75	255	-		-
5595504	8401	Stormwater Contractual	-	14,897	10,362	6,634	28,000		33,000
5595504	8550	Misc. Contracted Svc.	-	-	7,459	-	-		3,400
TOTAL CONTRAC	TUAL SEI	RVICES	\$ -	\$ 242,796	\$ 171,126	\$ 161,440	\$ 262,036	\$	249,053

\$ [	DIFFERENCE	% DIFFERENCE
FRC	M 2020-21	FROM 2020-21
\$	4,472	213.0%
	1,890	35.8%
	1,461	100.0%
	-	0.0%
	-	0.0%
	-	0.0%
	(33,333)	-33.3%
	2,500	100.0%
	565	2.8%
	1,062	1.5%
	-	0.0%
	5,000	17.9%
	3,400	100.0%
\$	(12,983)	-5.0%

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

#### Expenditures:

OTHER CHARGI	ES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET
5595505	9163	Debt Service Interest - SRL Funded Capital	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 498,000
5595505	9060	Depreciation Expense	-	-	17,016	34,875	52,283	53,593
5595505	9070	Training & Continuing Educ/Conf	-	679	2,804	1,452	3,200	1,400
5595505	9084	Annual Regulatory Fees	-	-	-	200	1,600	1,600
5595505	9095	Stormwater Grant Program	-	-	7,894	4,020	50,000	50,000
TOTAL OTHER CH	IARGES		\$ -	\$ 679	\$ 27,714	\$ 40,547	\$ 227,083	\$ 604,593

\$	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	378,000	315.0%
	1,310	2.5%
	(1,800)	-56.3%
	-	0.0%
	<u>-</u>	0.0%
\$	377,510	166.2%

INTER-DEPT. CHARGES	20 ACT	16 UAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET
Administrative Overhead	\$	-	\$ -	\$ 229,706	\$ 115,891	\$ 268,115	\$ 90,645
Billings and Accounting		-	-	35,922	54,484	58,125	45,362
Electric Used		-	711	727	-	628	830
Information Technology		-	-	86,381	58,119	90,640	91,699
Other Indirect Charges		-	23,907	45,507	45,321	23,983	37,588
Printing and Reproduction		-	26	24	22	35	25
TOTAL INTER-DEPT. CHARGES	\$	-	\$ 24,644	\$ 398,267	\$ 273,837	\$ 441,526	\$ 266,149

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2020-21	FROM 2020-21
\$	(177,470)	-66.2%
7	(12,763)	-22.0%
	202	32.2%
	1,059	1.2%
	13,605	56.7%
	(10)	-28.6%
\$	(175,377)	-39.7%

OPERATING EXPENSES - STORMWATER DIVISION	201 ACTU		2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET
TOTAL OPERATING EXPENSES	\$	-	\$ 791,681	\$ 1,461,159	\$ 1,151,985	\$ 1,575,790	\$ 1,817,194

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2020-21	FROM 2020-21
\$	241,404	15.3%



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STORMWATER DIVISION

**2021-2025 CAPITAL IMPROVEMENT PROGRAM** 

## CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2021-2025

(with current year amended budget)

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

\*Prior Authorized Balance:

**New Funding:** 

FUNDING SUMMARY

2024

885,000

2025

700,000

Total 5 Year

2,883,000

2023

645,000

2022

625,000

2021

28,000

						202	21-2025 Funding:		789,104	\$	625,000	\$	645,000	\$ 885,000	\$ 700,000	\$ 3,644,104
			2020		20	21		*Pric	or Authorized Ba	lance i	includes 2020 ca	rryove	r funding only.			
PROJECT NUMBER	PROJECT NAME	*	BUDGET AS AMENDED	-	ERVES AND ER FUNDING		URRENT UNDING		2021		2022		2023	2024	2025	TOTAL
Q1802	Rodney Regional Stormwater Park	Α	\$ 5,977,353	\$	-	\$	-	\$	-	\$	-	\$	-	\$ -	\$ -	\$ -
Q1301	Storm Drainage Improvements	В	466,053		609,476				609,476		550,000		525,000	550,000	550,000	2,784,476
Q0101	Stormwater Quality Improvements (NPDES Phase II Permit)	В	70,000		121,628		25,000		146,628		75,000		75,000	85,000	100,000	481,628
QEQSF	Equipment Replacement Program	В	30,000	_	33,000			_	33,000				45,000	 250,000	 50,000	 378,000
Total Sto	rmwater Fund - Stormwater Division		\$ 6,543,406	\$	764,104	\$	25,000	\$	789,104	\$	625,000	\$	645,000	\$ 885,000	\$ 700,000	\$ 3,644,104
PLANNED	FINANCING SOURCES															
	GROSS CAPITAL IMPROVEMENTS		\$ 6,543,406	\$	764,104	\$	25,000	\$	789,104	\$	625,000	\$	645,000	\$ 885,000	\$ 700,000	\$ 3,644,104
	LESS: USE OF RESERVES		(20,000)		(731,104)		-		(731,104)		-		-	-	-	(731,104)
	VEHICLE & EQUIPMENT REPLACEMENT		(13,489)		(13,489)		-		(13,489)		-		(26,245)	(75,000)	(43,993)	(158,727)
	GRANTS		(16,511)		(19,511)		-		(19,511)		(50,000)		-	-	-	(69,511)
	BOND ISSUES		-		-		-		-		-		-	-	-	-
	STATE REVOLVING LOANS		(5,977,353)		-		-		-		-		-	-	-	-
	OTHER FINANCING SOURCES			_										 <u> </u>	 -	 
	NET CAPITAL IMPROVEMENTS		\$ 516,053	\$	-	\$	25,000	\$	25,000	\$	575,000	\$	618,755	\$ 810,000	\$ 656,007	\$ 2,684,762

<sup>\*</sup> Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

#### \*Prior Authorized Balance includes 2020 carryover funding only.

NEWARK

PROJECT NO: Q1301

PROJECT TITLE: Storm Drainage Improvements

2021 2022 2023 2024 2025 **Total 5 Year FUNDING SUMMARY:** 550,000 525,000 550,000 550,000 2,175,000 New Funding: \*Prior Authorized Balance 609,476 609,476 2021-2025 Funding: 609,476 550.000 525.000 550.000 550.000 \$ 2.784.476

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL BUDGET - PROJECT DETAIL						
DEPARTMENT:	PWWR					
DIVISION:	Stormwater					
FUND: Stormwater						
PROJECT LOCATION:	Various					
PROJECT PRIORITY:	1 - Highest Priority Level					
Project und	erway 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:	Perpetua						
Est. Useful Life (in years):	75+						
Est. Total Cost:	\$ 3,314,309						
Est. Spend @ 12/31/2020 (if underway)¹:	\$ 529,833						
% Complete (if underway):	16.0%						
Balance to be funded¹:	\$ 2,784,476						

<sup>&</sup>lt;sup>1</sup> 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:	5595506.9820	\$	-					
Materials:	5595506.9720	\$	2,784,476					
Other Contracts:		\$	-					
TOTAL PRO	DJECT COST	\$	2,784,476					

<sup>&</sup>lt;sup>2</sup> 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 Jenneys 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. Par

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.

2021 - Projects carrying over from 2020 and associated reserves will cover the expected work in 2021. Emergency repair at Curtis Lane will also be completed in 2020. Design and Permitting for 2022 will be completed in 2021 using Capital Reserves. Need to subtract Curtis Lane repair that will be done in 2020.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	466,053	-	466,053	\$ -		500,000	525,000	550,000	550,000	\$ 2,125,000
CAPITAL RESERVES	673,256	63,780	-	\$ 609,476	609,476	-	-	-	1	\$ 609,476
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	1	-	-	1	\$ -
GRANTS SRF Planning	-	-	-	\$ -	-	50,000	-	-	-	\$ 50,000
BOND ISSUES	-	-	-	\$ -	-	1	-	-	1	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	1	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,139,309	\$ 63,780	\$ 466,053	\$ 609,476	\$ 609,476	\$ 550,000	\$ 525,000	\$ 550,000	\$ 550,000	\$ 2,784,476
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	Γ:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

Q1301: Storm Drainage Improvements
Supporting Documentation - Page 1





#### \*Prior Authorized Balance includes 2020 carryover funding only.



Balance to be funded1:

PROJECT NO: Q0101

PROJECT TITLE: Stormwater Quality Improvements

(NPDES Phase II Permit)

481,628

PROJECT STATUS: Reoccurring (with no end date)

<b>FUNDING SUMMARY:</b>		2021	2022	2023	2024	2025	To	otal 5 Year
New Funding:	\$	25,000	\$ 75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$	360,000
*Prior Authorized Balance:	\$	121,628	\$ -	\$ -	\$ -	\$ -	\$	121,628
2021-2025 Funding:	\$	146,628	\$ 75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$	481,628

CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT:	PWWR						
DIVISION: Stormwater							
FUND: Stormwater							
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:	2009						
Est. Completion Date:	Perpetual						
Est. Useful Life (in years):	20						
Est. Total Cost:	\$ 481,628						
Est. Spend @ 12/31/2020 (if underway) <sup>1</sup> :	\$ -						
% Complete (if underway):	0.0%						

<sup>&</sup>lt;sup>1</sup> 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	\$	481,628						
TOTAL PRO	JECT COST	\$	481,628						

<sup>&</sup>lt;sup>2</sup> 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.

2019 - Stormwater Management Pond Retrofit is underway at Abbottsford

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.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	50,000	-	-	\$ 50,000	25,000	75,000	75,000	85,000	100,000	\$ 360,000
CAPITAL RESERVES	71,628	-	-	\$ 71,628	121,628	-	-	-	-	\$ 121,628
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	1	1	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	1	1	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	1	1	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	1	1	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	1	1	\$ -
TOTAL:	\$ 121,628	\$ -	\$ -	\$ 121,628	\$ 146,628	\$ 75,000	\$ 75,000	\$ 85,000	\$ 100,000	\$ 481,628
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:					2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENTAL COSTS (NET SAVINGS)			2,000	3,000	4,000	5,000	5,000	\$ 19,000

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**PROJECT NO: QEQSF** 

**PROJECT TITLE: Equipment Replacement Program**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2024 2021 2022 2023 3,000 45,000 250,000 30,000 33,000 \$ 45,000 250.000 S 2021-2025 Funding: \$

2025

50,000

50,000

Total 5 Year

348,000

30,000

378,000

PROJECT STATUS: Reoccurring (with no end date)

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 DEV	'ELODMENT DI ANNING VISION ELEMENT									

Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT	T DATA	
First Year in Program:		Perpetual
Est. Completion Date:		Perpetual
Est. Useful Life (in years):		Various
Est. Total Cost:	\$	378,000
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded :	\$	378,000

<sup>&</sup>lt;sup>1</sup> 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	\$	378,000								
TOTAL PRO	JECT COST	\$	378,000								

<sup>&</sup>lt;sup>2</sup> 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 (2020-2024).

Vehicle 1512 was slated for replacement with an EV. Purchase was pushed due to Covid. Are green energy grants still available? Leaving Pickup truck in 2023 to keep separate from the sweeper in 2024. Sidewalk sweeper will follow in 2025.

	PROJECT FINANCING BY PLAN YEAR												
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Utilized as of		2021	2022	2023	2024	2025	TOTAL 5 Year CIP				
CURRENT RESOURCES	-	-	-	\$ -	-	-	18,755	175,000	6,007	\$ 199,762			
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -			
EQUIPMENT REPLACEMENT	13,489	-	-	\$ 13,489	13,489	-	26,245	75,000	43,993	\$ 158,727			
GRANTS Green Energy	16,511	-	-	\$ 16,511	19,511	-	-	-	-	\$ 19,511			
BOND ISSUES	-	-	-	\$ -	-	-	-	-	1	\$ -			
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -			
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -			
TOTAL:	\$ 30,000	\$ -	\$ -	\$ 30,000	\$ 33,000	\$ -	\$ 45,000	\$ 250,000	\$ 50,000	\$ 378,000			
§ 806.1(4) ESTIMATED ANNUAL COST O	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL				
OPERATING / MAINTAINING PROJECT OR A	SAVINGS)	-	-	-	-	-	\$ -						

# CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025 STORMWATER UTILITY

VEHICLE		PURCHASE	PURCHASE	MILEAGE AS OF	RECOM'D MILEAGE	NORMAL YEARS	NORMAL REPL	BUDGET REPL	EQUIPMENT SINKING		REP	LACE	MENT	COSTS		
NUMBER	DESCRIPTION	DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021	2022		2023	2024	i	2025
	STAFF VEHICLES															
1504	2012 Ford F250 Pickup Truck 4x4	09/21/12	26,245	59,621	110,000	10	2022	2023	26,245				45,000			
1512	2009 Ford Focus	04/03/09	13,489	57,046	80,000	8	2017	2021	13,489	33,000						
1530	2007 Int'l SC7000 Sweeper- 4200	10/18/16	75,000	13,084	60,000	8	2024	2024	75,000					250,000		
1531	2017 Tennant ATLV 4300 Litter Vacuum	11/14/17	43,993			8	2025	2025	43,993							50,000
1550	2020 Freightliner M2-Vac-All Catch Basin Cleaner	11/26/19	305,991			8	2019	2027	305,991							
TOTAL STOR	RMWATER UTILITY					GROSS AC	QUISITION C	OST		\$ 33,000	\$	- \$	45,000	\$ 250,000	\$	50,000
						LESS: USI	OF CAPITAI	L RESERVES		-		-	-	-		-
			LESS: USE OF GRANT FUNDING							(19,511)		-	-	-		-
				LESS: USE OF CURRENT RESOURCES						-		-	(18,755)	(175,000)		(6,007)
						NET EQUIP	MENT SINK	ING FUND 1	TOTAL	\$ 13,489	\$	- \$	26,245	\$ 75,000	\$	43,993



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT REFUSE DIVISION

**EXECUTIVE SUMMARY** 

# CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET					
	FY2020	FY202	1 FY2020 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec	d vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages	512,031	541,96	9 29,938	5.85%	*Step increases and advancements
Part-time Wages	 6,000	оничення под него на под н	- (6,000)	-100.00%	*FY2021 reduction is due to removal of -\$6,000 that was budgeted for Seasonal employees in FY2020
Other Wages	 41,303	43,41	7 2,114	5.12%	*Small increase in FY2021 is due to increases to our Service Award and Sick Pay line items
Benefits	435,668	402,47	2 (33,196)	-7.62%	*The overall decrease in FY2021 is largely due to the following changes. Line item 6940 (City Pension Plan) decreased by -\$21,936 and line item 6960 (Group Hospitalization) decreased by -\$19,203. *Please note, item 6940 is currently under review by finance and the disbursement allocation will be updated City-wide following the departmental budget hearings.
Personnel Services	\$ 995,002	\$ 987,85	8 (7,144)	-0.72%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 30,200	\$ 29,25	0 (950)	-3.15%	*Small decreases to line items 7110 (Safety Shoes and Supplies) in the amount of -\$450 and line item 7130 (Tools, Field Sup. & Small Eq.) in the amount of -\$500
Contractual Services	\$ 924,082	\$ 928,85	1 4,769	0.52%	*Overall FY2021 change is largely due to line item 8190 (Refuse Disposal - Landfill) increasing by \$7,000
Depreciation	\$ 218,875	\$ 208,31	6 (10,559)	-4.82%	*Finance Calculation
Other Expenditures	\$ 750	\$ 50	0 (250)	-33.33%	*Decrease in FY2021 is due to reduction of -\$500 to line item 9070 (Training)
Subtotal:	\$ 2,168,909	\$ 2,154,77	5 \$ (14,134)	-0.65%	
Inter-Dept. Charges	\$ 102,648	\$ 95,15	1 (7,497)	-7.30%	*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:	\$ 2,271,557	\$ 2,249,92	6 \$ (21,631)	-0.95%	
Full-time Positions	 9		9 0		*No change from FY2020 to FY2021

CAPITAL IMPROVEMENT PLA	NN (CIP)	
Project ID:	Project Description:	Comments
New projects:	N/A	*No new projects planned in 2021-2025 CIP
Ongoing projects: REQSF	Equipment Replacement Program	Perpetual Project



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT REFUSE DIVISION

# **2021 OPERATING EXPENDITURES**

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

### Summary:

REFUSE DIVISION - SUMMARY		2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		20 BUDGET S AOENDED	2021 BUDGET	
OPERATING EXPENSES												
Personnel Services	\$	835,614	\$	872,399	\$	931,668	\$	933,918	\$	995,002	\$	987,858
Materials and Supplies		6,181		33,034		30,210		30,900		30,200		29,250
Contractual Services		494,726		799,597		1,063,467		897,038		924,082		928,851
Other Charges		180,526		207,346		215,937		216,932		219,625		208,816
Subtotal	\$	1,517,047	\$	1,912,376	\$	2,241,282	\$	2,078,788	\$	2,168,909	\$	2,154,775
Inter-Dept. Charges		422,609		96,633		83,086		43,482		102,648		95,151
Total Operating Expenses	tal Operating Expenses \$ 1,939,656		\$ 2,009,009		\$ 2,324,368		\$ 2,122,270		\$ 2,271,557		\$	2,249,926

\$ (7,144)	-0.7%
(950)	-3.1%
4,769	0.5%
(10,809)	-4.9%
\$ (14,134)	-0.7%
(7,497)	-7.3%
\$ (21,631)	-1.0%

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

PERSONNEL SEF	RVICES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AOENDED	ı	2021 BUDGET
0141042	6240	Refuse Workers	\$ 484,401	\$ 501,880	\$ 496,251	\$ 506,214	\$ 512,031	\$	541,969
0141042	6580	Service Award	15,795	13,370	14,084	14,987	15,573		16,942
0141042	6590	Sick Pay	2,082	1,245	840	140	3,230		4,075
0141042	6610	Seasonal	-	-	-	-	6,000		-
0141042	6620	Overtime	17,276	13,138	20,666	15,202	15,000		14,000
0141042	6880	Uniform Allowance	2,725	5,300	5,350	5,300	4,800		5,400
0141042	6885	Device Reimbursement	-	-	3,000	2,925	2,700		3,000
0141042	6920	Unemployment Comp. Ins.	3,874	3,325	2,643	2,756	2,712		2,673
0141042	6930	Social Security Taxes	34,721	37,497	39,012	40,018	40,757		43,197
0141042	6940	City Pension Plan	100,455	86,591	97,473	111,550	135,748		113,812
0141042	6941	Defined Contribution 401(a) Plan	3,182	8,413	10,319	10,350	11,207		11,989
0141042	6950	Term Life Insurance	1,945	2,133	2,412	2,869	2,489		6,266
0141042	6960	Group Hospitalization Ins.	140,650	153,021	176,372	163,517	195,484		176,281
0141042	6961	Long-Term Disability Ins.	824	816	914	1,129	1,193		2,501
0141042	6962	Dental Insurance	8,907	9,266	8,919	8,021	9,673		8,131
0141042	6964	Health Savings Account	750	750	750	-	-		-
0141042	6965	Post-Employment Benefits	15,797	30,931	48,093	44,212	30,371		31,596
0141042	6966	Retirement Health Savings Account	1,442	3,503	4,137	3,932	4,263		4,329
0141042	6967	<b>Emergency Room Reimbursements</b>	400	800	-	400	1,305		1,305
0141042	6968	Vision Insurance Premiums	388	420	433	396	466		392
TOTAL PERSONN	EL SERVI	CES	\$ 835,614	\$ 872,399	\$ 931,668	\$ 933,918	\$ 995,002	\$	987,858

Ψ	(7,144)	-0.77
\$	(7,144)	-0.7%
	(74)	-15.9%
	-	0.0%
	66	1.5%
	1,225	4.0%
	-	0.0%
	(1,542)	-15.9%
	1,308	109.6%
	(19,203)	-9.8%
	3,777	151.7%
	782	7.0%
	(21,936)	-16.29
	2,440	6.0%
	(39)	-1.49
	600 300	12.5% 11.1%
	(1,000)	-6.7%
	(6,000)	-100.0%
	845	26.2%
	1,369	8.8%
\$	29,938	5.8%
FRC	)M 2020-21	FROM 2020-2:
	DIFFERENCE	% DIFFERENCE

# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 REFUSE DIVISION

Title	Union Affiliation	Grade	2020 # of Positions		2020 Approved			2021 Requested	Position Difference		\$ Difference	% Change
FULL TIME POSITIONS												
Refuse Coordinator	AFSCME LOCAL 1670 F/T	10	1.0	\$	63,702	1.0	\$	67,598	0.0	\$	3,896	6.1%
Refuse Driver/Collector	AFSCME LOCAL 1670 F/T	8	4.0	\$	244,860	4.0	Ś	255,428	0.0	Ś	10,568	4.3%
Refuse Driver II	AFSCME LOCAL 1670 F/T	8	1.0	\$	61,215	1.0	\$	63,857	0.0	\$	2,642	4.3%
Refuse Driver I	AFSCME LOCAL 1670 F/T	6	1.0	\$	56,546	1.0	\$	62,840	0.0	\$	6,294	11.1%
Refuse Collector	AFSCME LOCAL 1670 F/T	3	1.0	\$	42,299		\$	´-	(1.0)	\$	(42,299)	-100.0%
Equipment Operator	AFSCME LOCAL 1670 F/T	3		\$	, -	1.0	\$	46,675	1.0	\$	46,675	100.0%
Maintenance I	AFSCME LOCAL 1670 F/T	1	1.0	\$	43,409	1.0	\$	45,571	0.0	\$	2,162	5.0%
Total Full-Time Positions	·		9.0	\$	512,031	9.0	\$	541,969	0.0	\$	29,938	5.8%
PART-TIME FUNDING										_	(0.000)	
Seasonal				<u>Ş</u>	6,000		<u> </u>	-		Ş	(6,000)	-100.0%
Total Part-Time Funding				Ş	6,000		Ş	-		Ş	(6,000)	-100.0%
OTHER												
Service Award				\$	15,573		\$	16,942		\$	1,369	8.8%
Sick Pay				\$	3,230		\$	4,075		\$	845	26.2%
Overtime				\$	15,000		\$	14,000		\$	(1,000)	-6.7%
Uniform Allowance				\$	4,800		\$	5,400		\$	600	12.5%
Device Reimbursements				\$	2,700		\$	3,000		\$	300	11.1%
Total Other				\$	41,303		\$	43,417		\$	2,114	5.1%
				•	·					•	•	
Total All			9.0	\$	559,334	9.0	\$	585,386	0.0	\$	26,052	4.7%

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

MATERIALS AN	NATERIALS AND SUPPLIES				2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	2020 BUDGET AS AOENDED		2021 BUDGET	
0141043	7110	Safety Shoes and Supplies	\$	966	\$ 1,551	\$	1,696	\$	2,057	\$	2,700	\$	2,250
0141043	7130	Tools, Field Sup., & Small Eq.		429	1,297		1,364		619		1,000		500
0141043	7132	Collection Carts		2,738	27,557		27,150		26,599		25,000		25,000
0141043	7191	Yard Waste		313	180		-		-		-		-
0141043	7270	Station Maintenance		-	2,067		-		1,814		1,500		1,500
0141043	7462	Recycling Supplies		688	382		-		-		-		-
0141043		1,047	-		-		(189)		-		-		
TOTAL MATERIALS & SUPPLIES			\$	6,181	\$ 33,034	\$	30,210	\$	30,900	\$	30,200	\$	29,250

\$ D	IFFERENCE	% DIFFERENCE
FROI	M 2020-21	FROM 2020-21
\$	(450)	-16.7%
	(500)	-50.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	<u>-</u>	0.0%
\$	(950)	-3.1%

CONTRACTUAL	NTRACTUAL SERVICES					2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	2020 BUDGET AS AOENDED		2021 BUDGET	
0141044	8030	Casualty Insurance	\$	25,947	\$	9,850	\$	5,623	\$	6,204	\$	6,900	\$	9,860
0141044	8031	Insurance - Property		-		-		573		-		-		51
0141044	8032	Insurance - Auto		-		10,492		20,354		19,559		20,050		14,331
0141044	8033	Insurance - Broker		-		1,855		2,088		2,533		2,496		2,191
0141044	8035	Insurance - Worker's Compensation		-		-		-		18,003		25,500		25,500
0141044	8050	Phone/Communications		123		2,552		-		-		-		-
0141044	8130	Building & Equipment Rentals		-		-		-		2,334		2,500		2,500
0141044	8131	Information Technology Cont'l		-		879		80		828		347		1,787
0141044	8190	Refuse Disposal-Landfill		468,656		426,636		471,956		440,039		463,000		470,000
0141044	8191	Yard Waste		-		26,967		49,005		36,233		35,000		30,000
0141044	8200	Printing & Reproduction		-		1,584		1,029		1,000		2,000		1,000
0141044	8270	Station Maintenance (Pest Control)		-		-		-		-		500		500
0141044	8312	Fleet & Facilities Services		-		318,782		507,112		368,755		365,789		371,131
0141044	8313	Self-Insurance Services		-		-		5,647		-		-		-
0141044	8550	Misc. Contracted Services		-		-		-		1,550		-		-
TOTAL CONTRAC	TOTAL CONTRACTUAL SERVICES					799,597	\$	1,063,467	\$	897,038	\$	924,082	\$	928,851

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
		40.00/
\$	2,960	42.9%
	51	100.0%
	(5,719)	-28.5%
	(305)	-12.2%
	-	0.0%
	-	0.0%
	-	0.0%
	1,440	415.0%
	7,000	1.5%
	(5,000)	-14.3%
	(1,000)	-50.0%
	-	0.0%
	5,342	1.5%
	-	0.0%
		0.0%
\$	4,769	0.5%

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

OTHER CHARG	ES		2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 BUDGET AS AOENDED		2021 BUDGET	
0141045 0141045 0141045	9060 9070 9099	Depreciation Expense Training & Continuing Educ/Conf Contingencies	\$	179,520 300 706	\$	206,539 807 -	\$	215,887 50 -	\$	216,412 520 -	\$	218,875 750 -	\$	208,316 500 -
TOTAL OTHER C	HARGES		\$	180,526	\$	207,346	\$	215,937	\$	216,932	\$	219,625	\$	208,816

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	(10,559)	-4.8%
	(250)	-33.3%
	<u>-</u>	0.0%
\$	(10,809)	-4.9%
	_	

INTER-DEPT. CHARGES	TER-DEPT. CHARGES		2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	2020 BUDGET AS AOENDED		2021 BUDGET	
	Billings and Accounting	\$	25,714	\$	22,045	\$	27,423	\$	4,094	\$	25,902	\$	26,809
	Buildings and Grounds		3,741		-		-		-		-		-
	Electric Used - Transfer Station		1,618		811		827		100		728		2,430
	Information Technology		31,019		48,741		48,209		42,253		51,215		49,213
	Mailroom and Postage		7 1,161 49,361 23,466 2,296 (7,039)		-		7		1,161		1,181		1,346
	Other Indirect Charges				20,154		12,371						
	Printing and Reproduction		2,227		113		105		98		153		110
	Records		-		-		1,477		1,511		1,601		1,646
	Vehicles and Equipment		306,732		-		-		-		-		-
	Warehousing		2,197		1,457		2,742		1,304		1,714		1,226
TOTAL INTER-DEPT. CHAR	OTAL INTER-DEPT. CHARGES		422,609	\$	96,633	\$	83,086	\$	43,482	\$	102,648	\$	95,151

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
Ś	907	3.5%
*	-	0.0%
	1,702	233.8%
	(2,002)	-3.9%
	165	14.0%
	(7,783)	-38.6%
	(43)	-28.1%
	45	2.8%
	-	0.0%
	(488)	-28.5%
\$	(7,497)	-7.3%

OPERATING EXPENSES - REFUSE DIVISION	,	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AOENDED	2021 BUDGET
TOTAL OPERATING EXPENSES	\$	918,048	\$ 2,009,009	\$ 2,324,368	\$ 2,122,270	\$ 2,271,557	\$ 2,249,926

\$ DI	FFERENCE	% DIFFERENCE
FROM	Л 2020-21	FROM 2020-21
,	(21,631)	-1.0%



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STREET DIVISION

**EXECUTIVE SUMMARY** 

# CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET	<u> </u>	<u> </u>		<u> </u>		
		FY2020	FY2021	FY2020 Appr'd	% +/- over	
Object Level Detail:		Appr'd	Rec'd	vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages		407,087	428,150	21,063	5.17%	*Step increases and advancements
Part-time Wages		39,000	 20,500	(18,500)	-47.44%	*Overall decrease in FY2021 is due to a reduction of -\$25,000 to line item 6610 (Seasonal) which is partially offset by an increase to line item 6615 (Interns) of \$6,500
Other Wages		56,352	54,110	(2,242)	-3.98%	*Overall decrease in FY2021 is due to a reduction in OT by -\$4,000. This reduction is partially offset by smaller Service Award and Sick Pay increases
Benefits		297,049	290,224	(6,825)	-2.30%	*The overall benefits decrease in FY2021 is largely due to a reduction to line item 6940 (City Pension Plan), which decreased by -\$15,163. *Please note, items 6940 and 6950 are currently under review by finance and the disbursement allocation will be updated City-wide following the departmental budget hearings.
Personnel Services	\$	799,488	\$ 792,984	(6,504)	-0.81%	*Sum of above listed wages and benefits
Materials and Supplies	\$	152,000	\$ 138,900	(13,100)	-8.62%	*FY2021 reduction of -\$13,100 is due to decreases of -\$1,100 to item 7110 (Safety Shoes & Supplies), -\$2,000 to item 7340 (Street Signs and Roadway Markings) and -\$10,000 to item 7450 (Salt. Sand & Snow Removal)
Contractual Services	\$	314,773	\$ 299,176	(15,597)	-4.95%	*Decrease largely due to City-Wide changes related to our insurance coverage. Insurance lines decreased by a total of -\$1,321, along with these changes, large reductions were made to line items 8130 (Building & Equipment Rental) which reduced by -\$5,000, item 8380 (Street Maintenance) which reduced by -\$10,000 and item 8450 (Salt, Sand & Snow Removal) which reduced by -\$5,000
Depreciation	\$	113,458	\$ 102,297	(11,161)	-9.84%	*Finance Calculation
Other Expenditures	\$	2,500	\$ 1,250	(1,250)	-50.00%	*Decrease in FY2021 is due to reduction of -\$1,250 to line item 9070 (Training)
Subtotal:	\$	1,382,219	\$ 1,334,607	\$ (47,612)	-3.44%	
Inter-Dept. Charges	\$	298,277	\$ 291,703	(6,574)	-2.20%	*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:	\$	1,680,496	\$ 1,626,310	\$ (54,186)	-3.22%	
Full-time Positions		7	7	0		*No change from FY2020 to FY2021

er Expenditures	\$	2,500	\$	1,250	(1,250)	-50.00%	*Decrease in FY2021 is due to reduction of -\$1,250 to line item 9070 (Training)
total:	\$	1,382,219	\$	1,334,607	\$ (47,612)	-3.44%	
r-Dept. Charges	\$	298,277	\$	291,703	(6,574)	-2.20%	*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
l Operating Expenses:	\$	1,680,496	\$	1,626,310	\$ (54,186)	-3.22%	
time Positions		7		7	0		*No change from FY2020 to FY2021
PITAL IMPROVEMENT PL	AN (CIP)						
Project ID:	Proje	ct Description	:				Comments
New projects: H2101	Δηημα	l Street Program					Perpetual Project
H2102		ccessibility Transi		in			Project listed in 2021-2025 CIP - (Est. Completion Date: 2026)
Ongoing projects:							
H1903		eer Purchase					Project listed in 2021-2025 CIP - (Est. Completion Date: 2024)
H1503 HEQSF		k Transportation nent Replacemen		•			Project listed in 2021-2025 CIP - (Est. Completion Date: 2025) Perpetual Project
					77		



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT STREET DIVISION

# **2021 OPERATING EXPENDITURES**

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

### Summary:

STREET DIVISION - SUMMARY		2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET	
OPERATING EXPENSES											
Personnel Services	\$	905,813	\$	796,131	\$	791,329	\$	489,160	\$ 799,488	\$	792,984
Materials and Supplies		111,075		158,955		156,134		152,479	152,000		138,900
Contractual Services		62,207		229,400		482,766		249,093	314,773		299,176
Other Charges		142,774		137,046		110,157		84,522	115,958		103,547
Subtotal	\$	1,221,869	\$	1,321,532	\$	1,540,386	\$	975,254	\$ 1,382,219	\$	1,334,607
Inter-Dept. Charges		620,769		360,414		350,838		287,124	298,277		291,703
Total Operating Expenses	\$	1,842,638	\$	1,681,946	\$	1,891,224	\$	1,262,378	\$ 1,680,496	\$	1,626,310

\$1	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	(6,504)	-0.8%
	(13,100)	-8.6%
	(15,597)	-5.0%
	(12,411)	-10.7%
\$	(47,612)	-3.4%
	(6,574)	-2.2%
\$	(54,186)	-3.2%

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

PERSONNEL SEI	RVICES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
0131052	6020	Supervisory	\$ 73,527	\$ 93,292	\$ 62,348	\$ 66,305	\$ 69,898	\$ 74,447
0131052	6230	Maintenance Workers	417,597	357,836	341,159	33,052	337,189	353,703
0131052	6580	Service Award	14,647	8,988	6,796	6,600	6,884	7,459
0131052	6590	Sick Pay	4,097	2,385	1,376	16,004	3,228	4,411
0131052	6610	Seasonal	19,983	22,796	29,742	23,687	39,000	14,000
0131052	6615	Interns	-	-	-	-	-	6,500
0131052	6620	Overtime	47,810	29,906	41,013	58,729	40,000	36,000
0131052	6622	Holiday Premium	-	-	491	1,522	-	-
0131052	6623	Weekend Premium	-	-	-	123	-	-
0131052	6880	Uniform Allowance	2,555	4,280	4,040	3,840	3,840	3,840
0131052	6885	Device Reimbursement	-	-	2,475	2,400	2,400	2,400
0131052	6920	Unemployment Comp. Ins.	3,857	3,227	2,550	2,225	2,376	2,079
0131052	6930	Social Security Taxes	42,177	34,176	34,241	36,424	37,235	36,704
0131052	6940	City Pension Plan	105,672	77,828	92,937	73,900	91,889	76,726
0131052	6941	Defined Contribution 401(a) Plan	4,259	6,256	10,065	11,339	11,638	12,284
0131052	6950	Term Life Insurance	2,301	1,901	1,888	2,341	1,973	4,205
0131052	6960	Group Hospitalization Ins.	139,264	112,685	109,524	109,035	117,715	122,460
0131052	6961	Long-Term Disability Ins.	840	716	704	908	947	1,805
0131052	6962	Dental Insurance	8,691	7,002	6,155	5,856	6,326	6,207
0131052	6964	Health Savings Account	-	-	-	750	750	750
0131052	6965	Post-Employment Benefits	14,268	28,462	39,574	29,580	20,558	21,300
0131052	6966	Retirement Health Savings Account	1,803	2,405	3,891	4,201	4,263	4,329
0131052	6967	<b>Emergency Room Reimbursements</b>	2,000	1,600	-	-	1,015	1,015
0131052	6968	Vision Insurance Premiums	465	390	360	339	364	360
TOTAL PERSONN	EL SERVI	CES	\$ 905,813	\$ 796,131	\$ 791,329	\$ 489,160	\$ 799,488	\$ 792,984

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	4.540	C F0/
Ş	4,549	6.5% 4.9%
	16,514	
	575	8.4%
	1,183	36.6%
	(25,000)	-64.1%
	6,500	100.0%
	(4,000)	-10.0%
	-	0.0%
	-	0.0%
	-	0.0%
	-	0.0%
	(297)	-12.5%
	(531)	-1.4%
	(15,163)	-16.5%
	646	5.6%
	2,232	113.1%
	4,745	4.0%
	858	90.6%
	(119)	-1.9%
	-	0.0%
	742	3.6%
	66	1.5%
	-	0.0%
	(4)	-1.1%
\$	(6,504)	-0.8%

# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 STREET DIVISION

Title	Union Affiliation	Grade	2020 # of		2020	2021 # of		2021	Position		\$	%
Title	Onion Amilation	Graue	Positions		Approved	Positions		Requested	Difference		Difference	Change
FULL TIME POSITIONS												
PWWR Supervisor	MGMT	19	1.0	Ś	69,898	1.0	\$	74,447	0.0	\$	4,549	6.5%
Heavy Equipment Mech/Operator	AFSCME LOCAL 1670 F/T	10	1.0	Ś	64,498	1.0	Ś	67,598	0.0	Ś	3,100	4.8%
Maintenance IV	AFSCME LOCAL 1670 F/T	8	2.0	Ś	122,430	2.0	Ś	127,714	0.0	Ś	5,284	4.3%
Equipment Operator	AFSCME LOCAL 1670 F/T	3	3.0	\$	150,261	3.0	\$	158,391	0.0	\$	8,130	5.4%
Total Full-Time Positions			7.0	\$	407,087	7.0	\$	428,150	0.0	\$	21,063	5.2%
											-	
PART-TIME FUNDING												
Seasonal				\$	39,000		\$	14,000		\$	(25,000)	-64.1%
Intern				\$	-		\$	6,500		\$	6,500	100.0%
Total Part-Time Funding				\$	39,000		\$	20,500		\$	(18,500)	-47.4%
OTHER Coming Assembly												
Service Award				Ş	6,884		Ş	7,459		Ş	575	8.4%
Sick Pay				Ş	3,228		\$	4,411		\$	1,183	36.6%
Overtime				\$	40,000		\$	36,000		\$	(4,000)	-10.0%
Uniform Allowance				\$	3,840		\$	3,840		\$	-	0.0%
Device Reimbursements				\$	2,400		\$	2,400		\$	-	0.0%
Total Other				\$	56,352		\$	54,110		\$	(2,242)	-4.0%
Total All			7.0	\$	502,439	7.0	\$	502,760	0.0	\$	321	0.1%

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

MATERIALS AN	D SUPPL	IES	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
0131053	7110	Safety Shoes & Supplies	\$ 3,614	\$ 2,679	\$ 1,327	\$ 2,127	\$ 3,500	\$ 2,400
0131053	7130	Tools, Field Sup., & Small Eq.	1,247	28,558	3,159	11,607	3,500	3,500
0131053	7340	Street Signs and Roadway Markings	20,692	26,480	25,622	28,183	30,000	28,000
0131053	7380	Street Maintenance	37,858	30,044	44,582	77,827	65,000	65,000
0131053	7400	Storm Sewer Maintenance	6,770	2,139	943	-	-	-
0131053	7450	Salt, Sand, & Snow Removal	25,004	48,992	53,188	33,253	50,000	40,000
0131053	7470	Curb & Gutter Maintenance	11,623	17,282	24,174	-	-	-
0131053	7540	Inventory Adjustment	1,893	725	792	(1,614)	-	-
0131053	7550	Miscellaneous Supplies	2,374	2,056	2,347	1,096	-	-
TOTAL MATERIA	LS & SUP	PLIES	\$ 111,075	\$ 158,955	\$ 156,134	\$ 152,479	\$ 152,000	\$ 138,900

\$ [	DIFFERENCE	% DIFFERENCE
FRC	OM 2020-21	FROM 2020-21
\$	(1,100)	-31.4%
	-	0.0%
	(2,000)	-6.7%
	-	0.0%
	-	0.0%
	(10,000)	-20.0%
	-	0.0%
	-	0.0%
	-	0.0%
\$	(13,100)	-8.6%
		-

CONTRACTUAL	CONTRACTUAL SERVICES		,	2016 ACTUAL		2017 ACTUAL		2018 ACTUAL	2019 ACTUAL	2020 BUDGET AS AMENDED		2021 BUDGET	
0131054	8030	Casualty Insurance	\$	39,974	\$	11,606	\$	7,203	\$ 6,474	\$	7,200	\$	7,668
0131054	8031	Insurance - Property		-		2,703		4,992	3,845		4,370		1,294
0131054	8032	Insurance - Auto		-		13,918		26,793	25,880		21,106		24,363
0131054	8033	Insurance - Broker		-		2,664		3,657	3,637		3,584		1,704
0131054	8035	Insurance - Worker's Compensation		-		-		-	16,805		23,800		23,800
0131054	8050	Phone/Communications		142		1,653		158	169		180		180
0131054	8130	Building & Equipment Rental		-		1,806		3,838	6,509		5,000		-
0131054	8131	Information Technology		-		2,255		4,641	4,719		4,987		4,502
0131054	8312	Fleet & Facilities Services		-		173,986		454,505	176,505		213,546		216,665
0131054	8313	Self-Insurance Services		-		-		(26,871)	-		-		-
0131054	8380	Street Maintenance		14,362		16,999		-	3,950		25,000		15,000
0131054	8450	Salt, Sand & Snow Removal		-		-		3,441	-		5,000		-
0131054	8550	Misc. Contracted Services		7,729		1,810		409	600		1,000		4,000
TOTAL CONTRAC	TUAL SE	RVICES	\$	62,207	\$	229,400	\$	482,766	\$ 249,093	\$	314,773	\$	299,176

\$	(15,597)	-5.0%
	3,000	300.0%
	(5,000)	-100.0%
	(10,000)	-40.0%
	-	0.0%
	3,119	1.5%
	(485)	-9.7%
	(5,000)	-100.0%
	-	0.0%
	-	0.0%
	(1,880)	-52.5%
	3,257	15.4%
	(3,076)	-70.4%
\$	468	6.5%
FRO	OM 2020-21	FROM 2020-21
	DIFFERENCE	
ĊI	DIEEEDENICE	% DIFFERENCE

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

OTHER CHARG	ES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	ı	2021 BUDGET
0131055 0131055	9060 9070	Depreciation Expense Training & Continuing Educ/Conf	\$ 140,868 1,200	\$ 136,222 824	\$ 107,481 2,676	\$ 82,299 2,223	\$ 113,458 2,500	\$	102,297 1,250
0131055	9099	Contingencies	706	-	-	-,	-,		-
TOTAL OTHER C	HARGES		\$ 142,774	\$ 137,046	\$ 110,157	\$ 84,522	\$ 115,958	\$	103,547

\$	DIFFERENCE	% DIFFERENCE
FRO	OM 2020-21	FROM 2020-21
\$	(11,161)	-9.8%
	(1,250)	-50.0%
	-	0.0%
\$	(12,411)	-10.7%
_		

INTER-DEPT. CHARGES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
	Billings and Accounting	\$ 34,597	\$ 26,921	\$ 20,145	\$ 3,490	\$ 19,152	\$ 19,816
	Buildings and Grounds	20,234	-	-	-	-	-
	Electrcity Used	1,618	717	733	-	633	736
	Information Technology	65,484	97,475	42,853	37,559	45,527	43,745
	Mailroom and Postage	-	-	5	845	860	980
	Other Indirect Charges	123,049	89,339	113,344	75,219	94,245	50,715
	Printing and Reproduction	2,227	113	105	98	153	110
	Records	-	-	1,076	1,100	1,166	1,199
	Street Lights and Traffic Signals	192,973	143,745	169,331	166,221	134,512	171,965
	Vehicles and Equipment	177,628	-	-	-	-	-
	Warehousing	2,959	2,104	3,246	2,592	2,029	2,437
TOTAL INTER-DEPT. CHAI	RGES	\$ 620,769	\$ 360,414	\$ 350,838	\$ 287,124	\$ 298,277	\$ 291,703

\$ [	DIFFERENCE	% DIFFERENCE
FRC	OM 2020-21	FROM 2020-21
\$	664	3.5%
	-	0.0%
	103	16.3%
	(1,782)	-3.9%
	120	14.0%
	(43,530)	-46.2%
	(43)	-28.1%
	33	2.8%
	37,453	27.8%
	-	0.0%
	408	20.1%
\$	(6,574)	-2.2%
		·

OPERATING EXPENSES - STREET DIVISION	ı	2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		20 BUDGET AMENDED	2021 BUDGET	
TOTAL OPERATING EXPENSES	\$	628,004	\$	1,681,946	\$	1,891,224	\$	1,262,378	\$	1,680,496	\$ 1,626,310	

\$ [	DIFFERENCE	% DIFFERENCE
FRC	OM 2020-21	FROM 2020-21
Ś	(54,186)	-3.2%
т .	(= 1,===)	



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT ENGINEERING DIVISION

**EXECUTIVE SUMMARY** 

# CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET	 					
	FY2020	FY2	021	FY2020 Appr'd	% +/- over	
Object Level Detail:	Appr'd	R	ec'd	vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages	530,437	482,	533	(47,904)	-9.03%	*Decrease in 2021 is due to removal of 1 FTE (Engineering Technician) budgeted salary
Part-time Wages	13,000		-	(13,000)	-100.00%	*Decrease of -\$13,000 is due to the removal of our Interns in FY2021.
Other Wages	32,039	24,	954	(7,085)	-22.11%	*Overall decrease of -\$7,085 in FY2021 are due to reductions of -\$4,000 to line item 6620 (Overtime) as well as reductions related to the FTE transfer from Engineering to Stormwater. These reductions are -\$1,342 to item 6580 (Service Awared), -\$1,503 to item 6590 (Sick Pay) and -\$240 to item 6880 (Uniform Allowance)
Benefits	 318,319	269,	607	(48,712)	-15.30%	*Decrease in 2021 is due to removal of 1 FTE (Engineering Technician) and related benefits
Personnel Services	\$ 893,795	\$ 777,	094	(116,701)	-13.06%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 7,200	\$ 5,	600	(1,600)	-22.22%	*Across the board reductions were made to our material and supplies line items
Contractual Services	\$ 141,483	\$ 120,	491	(20,992)	-14.84%	*Decrease largely due to City-Wide changes related to our insurance coverage. Insurance lines decreased by a total of -\$1,321, along with these changes, line item 8120 (Outside Engineering) reduced by -\$20,000 in FY2021
Depreciation	\$ 11,083	\$ 8,	789	(2,294)	-20.70%	*Finance Calculation
Other Expenditures	\$ 9,000	\$ 2,	000	(7,000)	-77.78%	*Decrease in FY2021 is due to reduction of -\$7,000 to line item 9070 (Training)
Subtotal:	\$ 1,062,561	\$ 913,	974	\$ (148,587)	-13.98%	
Inter-Dept. Charges	\$ 45,528	\$ 38,	802	(6,726)	-14.77%	*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:	\$ 1,108,089	\$ 952,	776	\$ (155,313)	-14.02%	
Full-time Positions	8		7	-1		*Reduction of 1 FTE in FY2021. Within the Public Works and Water Resources Department, one Engineering Technician FTE was moved from the Engineering Divsion to the Stormwater Division

CAPITAL IMPROVEMENT PLAN	CAPITAL IMPROVEMENT PLAN (CIP)								
Project ID:	Project Description:	Comments							
New projects:	N/A	*No new projects planned in 2021-2025 CIP							
Ongoing projects: TEQSF	Equipment Replacement Program	Perpetual Project							



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT ENGINEERING DIVISION

## **2021 OPERATING EXPENDITURES**

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

### Summary:

ENGINEERING DIVISION - SUMMARY	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET AMENDED	2021 BUDGET
OPERATING EXPENSES						
Personnel Services Materials and Supplies Contractual Services Other Charges	\$ 750,556 2,708 43,576 13,191	\$ 827,221 5,116 103,069 18,674	\$ 918,674 3,112 79,959 20,605	\$ 886,234 2,951 102,098 21,947	\$ 893,795 7,200 141,483 20,083	\$ 777,094 5,600 120,491 10,789
Subtotal Inter-Dept. Charges	\$ 810,031 60,619	\$ 954,080 30,125	\$ 1,022,350 26,784	\$ 1,013,230 8,498	\$ 1,062,561 45,528	\$ 913,974 38,802
Total Operating Expenses	\$ 870,650	\$ 984,205	\$ 1,049,134	\$ 1,021,728	\$ 1,108,089	\$ 952,776

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2020-21	FROM 2020-21
\$	(116,701)	-13.1%
	(1,600)	-22.2%
	(20,992)	-14.8%
	(9,294)	-46.3%
\$	(148,587)	-14.0%
	(6,726)	-14.8%
\$	(155,313)	-14.0%

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

PERSONNEL SEI	RVICES		,	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
0131072	6020	Supervisory	\$	81,897	\$ 82,413	\$ 84,315	\$ 86,692	\$ 88,264	\$ 92,146
0131072	6030	Engineering/Technical		192,972	253,170	234,853	189,159	181,658	115,738
0131072	6210	Inspectors		189,994	182,545	240,055	247,178	260,515	274,649
0131072	6580	Service Award		10,940	5,648	5,691	6,168	6,832	5,490
0131072	6590	Sick Pay		5,263	4,477	3,005	2,874	3,167	1,664
0131072	6615	Interns		14,316	17,121	15,906	10,075	13,000	-
0131072	6620	Overtime		19,698	24,011	30,289	19,731	20,000	16,000
0131072	6622	Holiday Premium		-	423	-	-	-	-
0131072	6880	Uniform Allowance		1,110	945	1,440	1,440	1,440	1,200
0131072	6885	Device Reimbursement		-	-	600	450	600	600
0131072	6920	Unemployment Comp. Ins.		3,428	3,459	2,775	2,714	2,452	1,930
0131072	6930	Social Security Taxes		38,529	42,185	45,290	41,214	42,159	36,319
0131072	6940	City Pension Plan		75,532	59,462	54,659	62,520	79,744	45,032
0131072	6941	Defined Contribution 401(a) Plan		13,796	18,705	22,558	20,821	23,199	24,238
0131072	6950	Term Life Insurance		1,393	2,081	2,453	3,231	2,472	3,774
0131072	6960	Group Hospitalization Ins.		79,961	97,631	136,497	149,527	134,136	129,135
0131072	6961	Long-Term Disability Ins.		592	807	953	1,339	1,234	1,824
0131072	6962	Dental Insurance		5,773	5,603	7,506	7,843	7,044	6,865
0131072	6963	Flexible Spending Account		63	100	126	224	157	158
0131072	6964	Health Savings Account		750	-	-	750	-	-
0131072	6965	Post-Employment Benefits		10,701	21,068	22,987	24,545	17,841	12,501
0131072	6966	Retirement Health Savings Account		3,554	5,071	6,315	5,924	6,395	6,495
0131072	6967	<b>Emergency Room Reimbursements</b>		-	-	-	1,383	1,088	943
0131072	6968	Vision Insurance Premiums		294	296	401	432	398	393
TOTAL PERSONN	EL SERVI	CES	\$	750,556	\$ 827,221	\$ 918,674	\$ 886,234	\$ 893,795	\$ 777,094

C DIE		
'	FERENCE	% DIFFERENCE
FROM	2020-21	FROM 2020-21
\$	2.002	4.40/
\$	3,882	4.4%
	(65,920)	-36.3%
	14,134	5.4%
	(1,342)	-19.6%
	(1,503)	-47.5%
	(13,000)	-100.0%
	(4,000)	-20.0%
	-	0.0%
	(240)	-16.7%
	-	0.0%
	(522)	-21.3%
	(5,840)	-13.9%
	(34,712)	-43.5%
	1,039	4.5%
	1,302	52.7%
	(5,001)	-3.7%
	590	47.8%
	(179)	-2.5%
	1	0.6%
	-	0.0%
	(5,340)	-29.9%
	100	1.6%
	(145)	-13.3%
	(5)	-1.3%
	. , ,	
\$ (	116,701)	-13.1%

# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 ENGINEERING DIVISION

Title	Union Affiliation	Grade	2020 # of		2020	2021 # of		2021	Position		\$	%
Title	Onion Armiacion	Grade	Positions		Approved	Positions		Requested	Difference		Difference	Change
FULL TIME POSITIONS												
Field Operations Superintendent	MGMT	22	1.0	\$	88,264	1.0	\$	92,146	0.0	\$	3,882	4.4%
Planning and Design Engineer	MGMT	22	1.0	\$	81,151	1.0	\$	81,543	0.0	\$	392	0.5%
Engineering Technician II *	CWA F/T	17	1.0	\$	32,105	1.0	\$	34,195	0.0	\$	2,090	6.5%
Utility Inspector II	CWA F/T	16	1.0	\$	71,533	1.0	\$	63,608	0.0	\$	(7,925)	-11.1%
Chief Surveyor	CWA F/T	15	1.0	\$	73,086	1.0	\$	77,041	0.0	\$	3,955	5.4%
Utility Inspector I	CWA F/T	14	2.0	\$	115,896	2.0	\$	134,000	0.0	\$	18,104	15.6%
Engineering Technician	CWA F/T	14	1.0	\$	68,402		\$	-	(1.0)	\$	(68,402)	-100.0%
Total Full-Time Positions			8.0	\$	530,437	7.0	\$	482,533	(1.0)	\$	(47,904)	-9.0%
PART-TIME FUNDING												
Interns				\$	13,000		\$	-		\$	(13,000)	-100.0%
Total Part-Time Funding				\$	13,000		\$	-		\$	(13,000)	-100.0%
OTHER												
Service Award				\$	6,832		\$	5,490		\$	(1,342)	-19.6%
Sick Pay				\$	3,167		Ś	1,664		\$	(1,503)	-47.5%
Overtime				Ś	20,000		Ś	16,000		Ś	(4,000)	-20.0%
Uniform Allowance				Ś	1,440		Ś	1,200		Ś	(240)	-16.7%
Device Reimbursements				Ś	600		\$	600		\$	-	0.0%
Total Other				\$	32,039		\$	24,954		\$	(7,085)	-22.1%
					,		•					
Total All			8.0	\$	575,476	7.0	\$	507,487	(1.0)	\$	(67,989)	-11.8%

<sup>\*</sup> 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

MATERIALS AN	D SUPPI	LIES	2016 CTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	D BUDGET AMENDED	2021 BUDGET
0131073	7110	Safety Shoes & Supplies	\$ 767	\$ 1,542	\$ 550	\$ 1,003	\$ 2,400	\$ 2,000
0131073	7130	Tools, Field Sup., & Small Eq.	466	174	1,055	138	1,500	1,200
0131073	7150	Office Supplies	1,439	2,413	1,507	1,810	2,800	2,400
0131073	7160	Books, Periodicals, Etc.	36	-	-	-	500	-
0131073	7550	Miscellaneous Supplies	-	987	-	-	-	-
TOTAL MATERIA	LS & SUP	PLIES	\$ 2,708	\$ 5,116	\$ 3,112	\$ 2,951	\$ 7,200	\$ 5,600

Ç	DIFFERENCE	% DIFFERENCE
FF	ROM 2020-21	FROM 2020-21
\$	(400)	-16.7%
	(300)	-20.0%
	(400)	-14.3%
	(500)	-100.0%
	<u>-</u>	0.0%
	_	
\$	(1,600)	-22.2%

ONTRACTUAL	SERVICE	ES .	,	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
0131074	8020	Advertising	\$	712	\$ 860	\$ 1,073	\$ 1,509	\$ 1,100	\$ 1,100
0131074	8030	Casualty Insurance		10,414	5,319	9,300	10,790	12,000	7,668
0131074	8032	Insurance - Auto		-	3,319	6,233	6,122	6,332	8,599
0131074	8033	Insurance - Broker		-	714	1,583	974	960	1,704
0131074	8035	Insurance - Worker's Compensation		-	-	-	16,695	23,800	23,800
0131074	8050	Phone/Communications		2,926	1,808	1,858	2,177	180	180
0131074	8120	Outside Engineering		29,524	47,802	26,550	20,569	50,000	30,000
0131074	8131	Information Technology Cont'l		-	18,395	13,837	18,328	18,405	18,31
0131074	8312	Fleet & Facilities Services		-	24,314	19,472	24,555	28,706	29,12
0131074	8313	Self-Insurance Services		-	-	48	379	-	
0131074	8550	Misc. Contracted Services		-	538	5	-	-	
OTAL CONTRAC	TUAL SEI	RVICES	\$	43,576	\$ 103,069	\$ 79,959	\$ 102,098	\$ 141,483	\$ 120,49

T .	(==,00=)	
Ś	(20,992)	-14.8%
	<u>-</u>	0.0%
	-	0.0%
	419	1.5%
	(90)	-0.5%
	(20,000)	-40.0%
	-	0.0%
	-	0.0%
	744	77.5%
	2,267	35.8%
	(4,332)	-36.1%
\$	-	0.0%
FRC	OM 2020-21	FROM 2020-21
\$ [	DIFFERENCE	% DIFFERENCE

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

OTHER CHARGES			2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	E	2021 BUDGET
0131075	9020	Mileage & Small Bus. Expense	\$ -	\$ 1,589	\$ 1,710	\$ 1,034	\$ -	\$	-
0131075	9040	Dues & Professional Organizations	2,634	-	-	-	-		-
0131075	9060	Depreciation Expense	10,557	11,859	11,960	9,776	11,083		8,789
0131075	9070	Training & Continuing Educ/Conf	-	5,226	6,935	11,137	9,000		2,000
TOTAL OTHER CHAP	RGES		\$ 13,191	\$ 18,674	\$ 20,605	\$ 21,947	\$ 20,083	\$	10,789

\$ 0	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	-	0.0%
	-	0.0%
	(2,294)	-20.7%
	(7,000)	-77.8%
\$	(9,294)	-46.3%

INTER-DEPT. CHARGES	А	2017 ACTUAL		2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET		
Billings and Accounting	\$	16,191	\$	16,627	\$ 18,239	\$ 3,597	\$ 17,457	\$	18,055
Buildings and Grounds		2,454		-	-	-	-		-
Electricity Used		1,618		711	727	-	628		730
Information Technology		27,571		48,741	45,531	39,906	48,371		46,478
Mailroom and Postage		-		-	4	759	772		880
Other Indirect Expenses		-		(36,067)	(38,788)	(36,850)	(22,900)		(28,527
Printing and Reproduction		2,227		113	105	98	153		110
Records		-		-	966	988	1,047		1,076
Vehicles and Equipment		10,558		-	-	-	-		-
TOTAL INTER-DEPT. CHARGES	\$	60,619	\$	30,125	\$ 26,784	\$ 8,498	\$ 45,528	\$	38,802

\$ DI	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	598	3.4%
	-	0.0%
	102	16.2%
	(1,893)	-3.9%
	108	14.0%
	(5,627)	24.6%
	(43)	-28.1%
	29	2.8%
	-	0.0%
\$	(6,726)	-14.8%

OPERATING EXPENSES - ENGINEERING DIVISION	2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		20 BUDGET S AMENDED	2021 BUDGET		
TOTAL OPERATING EXPENSES	\$ 123,926	\$	984,205	\$	1,049,134	\$	1,021,728	\$	1,108,089	\$	952,776	

\$ DIFFERE	NCE	% DIFFERENCE
FROM 202	0-21	FROM 2020-21
\$ (155,	212)	-14.0%
ÿ (133,	<u> </u>	-14.0/6



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT REFUSE, STREET AND ENGINEERING DIVISIONS (GENERAL FUND)

**2021-2025 CAPITAL IMPROVEMENT PROGRAM** 

### **CITY OF NEWARK, DELAWARE CAPITAL IMPROVEMENTS PROGRAM 2021-2025**

(with current year amended budget)

### GENERAL FUND - PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE, STREET AND ENGINEERING DIVISIONS

\*Prior Authorized Balance: 2021-2025 Funding:

**New Funding:** 

2021

1,272,169

FUNDING

2023

2,892,184

2022

2,136,921

SUMMARY

3,060,743

2025

2,985,743

Total 5 Year

\$ 12,347,760 1,244,754

2024

						*Pri	or Authorized Ba	includes 2020 car	ryove	r funding only.	<u> </u>	0,000,110	<u> </u>	2,555,716	•	10,002,01
PROJECT NUMBER	PROJECT NAME	*	2020 BUDGET AS AMENDED	20 RESERVES AND OTHER FUNDING	21  CURRENT FUNDING		2021	2022		2023		2024		2025		TOTAL
REQSF	Equipment Replacement Program	В	\$ -	\$ 285,690	\$ -	\$	285,690	\$ 225,000	\$	200,000	\$	600,000	\$	600,000	\$	1,910,690
H2101 H2102	Annual Street Program ADA Accessibility Transition Plan	B	1,337,842 159,606	1,586,738 159,736			1,586,738 159,736	1,669,502 163,178		1,780,743 166,441		1,780,743 175,000		2,130,743 175,000		8,948,469 839,355
H1903	Skid Steer Purchase	A	-	-	_		-	-		-		75,000		-		75,000
H1503	Newark Transportation Plan Implementation	Α	250,000	-	-		-	75,000		75,000		80,000		80,000		310,000
HEQSF	Equipment Replacement Program	В	-	95,845	100,155		196,000	293,000		635,000		350,000		-		1,474,000
TEQSF	Equipment Replacement Program	В						 		35,000						35,000
Total Gei	neral Fund - Refuse, Street and Engineering Divisions		\$ 1,747,448	\$ 2,128,009	\$ 100,155	\$	2,228,164	\$ 2,425,680	\$	2,892,184	\$	3,060,743	\$	2,985,743	\$	13,592,514
PLANNED	FINANCING SOURCES															
	GROSS CAPITAL IMPROVEMENTS		\$ 1,747,448	\$ 2,128,009	\$ 100,155	\$	2,228,164	\$ 2,425,680	\$	2,892,184	\$	3,060,743	\$	2,985,743	\$	13,592,514
	LESS: USE OF RESERVES		(100,155)	-	-		-	(288,759)		(13,194)		-		-		(301,953)
	VEHICLE & EQUIPMENT REPLACEMENT		-	(381,535)	-		(381,535)	(307,908)		(522,308)		(632,299)		(464,210)		(2,308,260)
	GRANTS		(595,743)	(1,166,486)	-		(1,166,486)	(645,743)		(645,743)		(645,743)		(645,743)		(3,749,458)
	BOND ISSUES		(456,647)	(459,988)	-		(459,988)	(138,178)		-		-		-		(598,166)
	OTHER FINANCING SOURCES		(150,000)	(120,000)	<del></del>		(120,000)	 (60,000)		(60,000)		(60,000)		(60,000)		(360,000)
	NET CAPITAL IMPROVEMENTS		\$ 444,903	\$ -	\$ 100,155	\$	100,155	\$ 985,092	\$	1,650,939	\$	1,722,701	\$	1,815,790	\$	6,274,677

<sup>\*</sup> Justification Codes:

A - Return on Investment

B - Public Safety

C - Community Health

D - Efficiency/Other

225.000



PROJECT NO: REQSF

**CAPITAL BUDGET - PROJECT DETAIL** 

PROJECT TITLE: Equipment Replacement Program

FUNDING SUMMARY:

New Funding:

\*Prior Authorized Balance

2021-2025 Funding: \$

 2021
 2022
 2023

 285,690
 \$ 225,000
 \$ 200,000

 \$ \$

600,000 \$ 600,000 \$ 1,910,690 - \$ - \$ -600,000 \$ 600,000 \$ 1,910,690

**Total 5 Year** 

2025

2024

200.000

PROJECT STATUS: Reoccurring (with no end date)

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

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

285,690

Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2021-2025).

Vehicle #423 (2009 International 7400 Rear Loader) - Was pushed back from 2019 to 2021. The vehicle can be retained and used in daily operations, however the maintenance costs related may increase as a result.

Need to split 2021 into 2022 and 2023 to spread out. Fleet Maintenance and PWWR Supervisor provided following list in order of priority: 2021 410 Side loader

2022 423 rear loader 2023 440 knuckleboom.

DEPARTMENT:	PWWR
DIVISION:	Refuse
FUND:	General
PROJECT LOCATION:	Various
PROJECT PRIORITY:	1 - Highest Priority Level
Project und	erway and must be completed
COMPREHENSIVE DEVE	LOPMENT 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:	\$	1,910,690
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$	1,910,690

<sup>&</sup>lt;sup>1</sup> 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:		\$	1								
Other Contracts:	3063026.9623	\$	1,910,690								
TOTAL PRO	DJECT COST	\$	1,910,690								

<sup>&</sup>lt;sup>2</sup> 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 FINA	ANCING BY PLA	N YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	A	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	_	\$ -	-	73,225	83,852	129,686	135,790	\$ 422,553
CAPITAL RESERVES		_	-	_	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT		-	-	-	\$ -	285,690	151,775	116,148	470,314	464,210	\$ 1,488,137
GRANTS (SPEC	IFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES		-	-	-	\$ -	1	-	1	-	1	\$ -
STATE REVOLVING LOAN		-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPEC	IFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$	-	\$ -	\$ -	\$ -	\$ 285,690	\$ 225,000	\$ 200,000	\$ 600,000	\$ 600,000	\$ 1,910,690
§ 806.1(4) <b>ESTIMATED</b>	ANNUAL COST OF		OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAININ	<b>G PROJECT OR ASSE</b>	Т	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

# CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION

					MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEHICLE			PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		REPLA	CEMENT	COSTS	
NUMBER	DESCRIPTION		DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021	2022	2023	2024	2025
	REFUSE COLLECTION														
409	2006 Int'l 7400 26CY One-Man Packer	d.	09/12/05	146,659	87,425	65,000	8	2013		146,659					
410	2015 Peterbuilt 320 Tractor/Trailer		11/30/14	285,690	52,115	65,000	8	2021	2021	285,690	285,690				
411	2016 Freightliner M2 Class 8		05/26/16	232,105	37,565	65,000	8	2024	2025	232,105					300,000
418	2018 Peterbuilt 348, 6x4 Chassis		02/07/18	193,963	15,956	65,000	8	2018	2026	193,963					
423	2009 Int'l 7400 Rear Loader		06/11/09	151,775	77,827	85,000	8	2017	2022	151,775		225,000			
453	2016 Freightliner M2 Class 8		05/26/16	232,105	32,966	75,000	8	2024	2025	232,105					300,000
454	2016 Freightliner M2 Class 8		01/07/16	235,157	41,840	65,000	8	2024	2024	235,157				300,000	
456	2016 Freightliner M2 Class 8		01/07/16	235,157	40,291	65,000	8	2024	2024	235,157				300,000	
	ŭ														
	SPECIAL COLLECTION														
440	2011 Freightliner Knuckleboom M2-106		06/17/11	116,148	38,266	100,000	10	2021	2023	116,148			200.000		
441	1997 Int'l Knuckleboom	d.	12/31/96	67,190	109,777					67,190					
			, - ,	,	,					, , , , ,					
TOTAL REFU	JSE DIVISION						GROSS AC	QUISITION C	OST		\$ 285,690	\$ 225,000	\$ 200,000	\$ 600,000	\$ 600,000
							LESS: US	E OF CAPITA	L RESERVES		-				
(	d. This vehicle will not be replaced.							E OF CURREN			_	(73,225)	(83,852)	(129,686)	(135,790)
`	Temore IIII not be replaced.							PMENT SINK			\$ 285.690	\$ 151.775	\$ 116,148	\$ 470,314	\$ 464,210
										V 1L	+ 200,000	+ 151,775	7 110,140	+ +,0,014	÷ +0+,210

NEWARK

PROJECT NO: H2101

PROJECT TITLE: Annual Street Program

2021 2022 2023 2024 2025 **Total 5 Year FUNDING SUMMARY:** 630,743 1,380,743 1,780,743 1,780,743 2,130,743 7,703,715 New Funding: 288.759 \$ 1,244,754 \*Prior Authorized Balance 955,995 2021-2025 Funding: \$ 1.586.738 \$ 1.669.502 \$ 1.780.743 \$ 1.780.743 \$ 2.130.743 \$ 8.948.469

PROJECT STATUS: Reoccurring (with no end date)

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

§ 806.1(3) SUMMARY OF PROJECT	DATA	
First Year in Program:	F	Perpetual
Est. Completion Date:	F	Perpetual
Est. Useful Life (in years):		15
Est. Total Cost:	\$ 8,	951,557
Est. Spend @ 12/31/2020 (if underway):	\$	3,088
% Complete (if underway):		0.0%
Balance to be funded¹:	\$ 8,	948,469

<sup>&</sup>lt;sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.

PROJECT COST BY CATEGORY								
CLASSIFICATION	ACCOUNT NUMBER		AMOUNT					
Labor:	3063006.9820	\$	-					
Materials:		\$	-					
Other Contracts:	3063006.9760	\$	8,948,469					
TOTAL PRO	DJECT COST	\$	8,948,469					

<sup>&</sup>lt;sup>2</sup> 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.

# \*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 <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	191,692	1	-	\$ 191,692	-	750,000	1,150,000	1,150,000	1,500,000	\$ 4,550,000
CAPITAL RESERVES	100,155	3,088	-	\$ 97,067	-	288,759	-	-	-	\$ 288,759
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS MSA (Updated 2018)	570,743	-	-	\$ 570,743	1,141,486	570,743	570,743	570,743	570,743	\$ 3,424,458
BOND ISSUES	325,252	-	-	\$ 325,252	325,252	-	1	1	-	\$ 325,252
STATE REVOLVING LOAN	-	-	-	\$ -	-	-		-	-	\$ -
OTHER CTF	60,000	-	-	\$ 60,000	120,000	60,000	60,000	60,000	60,000	\$ 360,000
TOTAL:	\$ 1,247,842	\$ 3,088	\$ -	\$ 1,244,754	\$ 1,586,738	\$ 1,669,502	\$ 1,780,743	\$ 1,780,743	\$ 2,130,743	\$ 8,948,469
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING IMPACT:						2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	AVINGS)	-	-	-	-	-	\$ -

<sup>\*</sup>Please note, capitalized personnel figures were included with the 2020 figure.



**PROJECT NO:** H2102

**PROJECT TITLE: ADA Accessibility Transition Plan**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2025 **Total 5 Year** 2021 2022 2023 2024 159,736 839,355 163,178 166,441 175,000 175,000 159.736 839.355 2021-2025 Funding: \$ 163.178 166.441 175.000 175.000

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT:	PWWR						
DIVISION:	Street						
FUND:	General						
PROJECT LOCATION:	Various						
PROJECT PRIORITY:	1 - Highest Priority Level						
Project und	erway 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:	2026								
Est. Useful Life (in years):	20								
Est. Total Cost:	\$ 1,127,111								
Est. Spend @ 12/31/2020 (if underway):	\$ 287,756								
% Complete (if underway):	25.5%								
Balance to be funded¹:	\$ 839,355								

<sup>&</sup>lt;sup>1</sup> 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:	3063006.9820	\$	4,057					
Other Contracts:	1191196.9621	\$	165,911					
Other Contracts:	3063006.9760	\$	669,387					
TOTAL PRO	JECT COST	\$	839,355					

<sup>&</sup>lt;sup>2</sup> 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.

2021: If we do not complete the 2020 contract, we risk losing the funding from CDBG, however, bonds were contemplated for the balance of the funding. I fwe do not do the 2020, the estimated expenditures and grants would move to 2021.

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

			PROJECT FIN	ANCING BY PLA	AN YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	3,211	-	3,211	\$ -	-	-	141,441	150,000	150,000	\$ 441,441
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	_	-	\$ -	-	-	-	-	-	\$ -
GRANTS CDBG	25,000	772	24,228	\$ -	25,000	25,000	25,000	25,000	25,000	\$ 125,000
BOND ISSUES	131,395	1	131,395	\$ -	134,736	138,178	1	-	1	\$ 272,914
STATE REVOLVING LOAN	-	1	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 159,606	\$ 772	\$ 158,834	\$ -	\$ 159,736	\$ 163,178	\$ 166,441	\$ 175,000	\$ 175,000	\$ 839,355
§ 806.1(4) ESTIMATED ANNUAL COST OF			RATING IMPACT	Γ:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR A	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

NEWARK

PROJECT NO: H1903

PROJECT TITLE: Skid Steer Purchase

New Funding:
\*Prior Authorized Balance:
2021-2025 Funding:

**FUNDING SUMMARY:** 

	2021	2022	2023	2024			2025	Total 5 Year		
:	\$ -	\$ -	\$ -	\$	75,000	\$	1	\$	75,000	
:	\$ -	\$ -	\$ -	\$	1	\$	1	\$	-	
:	\$ -	\$ -	\$ -	\$	75,000	\$	-	\$	75,000	

PROJECT STATUS: In Progress (with end date)

CAPITAL BUDGET - PROJECT DETAIL						
DEPARTMENT:	PWWR					
DIVISION:	Street					
FUND:	General					
PROJECT LOCATION:	Field Operations Complex					
PROJECT PRIORITY:	3 - Medium-High					
The City would be takin	g a calculated risk in the deferral of this item					
COMPREHENSIVE DEV	FLOPMENT PLANNING VISION FLEMENT:					

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:

Est. Completion Date:

2024

2024
N/A
\$ 75,000
\$ -
0.0%
\$ 75,000
\$ \$

<sup>&</sup>lt;sup>1</sup> 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:	3063006.9622	\$	75,000						
Other Contracts:		\$	1						
TOTAL PRO	TOTAL PROJECT COST								

<sup>&</sup>lt;sup>2</sup> 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**:

\*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 cycletrack 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 sawcutting, 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 conjuction with the asphalt patching machine would allow a better repair of problem potholes.

Rotary broom - easy cleanup of road surfaces after maintenance operations

PWWR Typically spends \$4,000 per year on a rental skid steer for various tasks.

			PROJECT FIN	ANCING BY PLA	IN YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Expenditures	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	1	-	\$ -	-	-	-	75,000		\$ 75,000
CAPITAL RESERVES	_	-	-	\$ -	-	-	1	-	-	\$ -
EQUIPMENT REPLACEMENT	_	ı	_	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	_	ı	_	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	ı	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	750	750	\$ 1,500



PROJECT NO: H1503

PROJECT TITLE: Newark Transportation Plan

Implementation

PROJECT STATUS: In Progress (with end date)

<b>FUNDING SUMMARY:</b>	2	2021 2022		2022	2023		2024		2025		Total 5 Year	
New Funding:	\$	-	\$	75,000	\$	75,000	\$	80,000	\$	80,000	\$	310,000
*Prior Authorized Balance:	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
2021-2025 Funding:	\$	-	\$	75,000	\$	75,000	\$	80,000	\$	80,000	\$	310,000

CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT:	PWWR						
DIVISION:	Street						
FUND:	General						
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	DAT	Α
First Year in Program:		2015
Est. Completion Date:		2025
Est. Useful Life (in years):		20
Est. Total Cost:	\$	1,425,759
Est. Spend @ 12/31/2020 (if underway):	\$	1,115,759
% Complete (if underway):		78.3%
Balance to be funded¹:	\$	310,000

<sup>&</sup>lt;sup>1</sup> 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	\$	310,000					
TOTAL PRO	DJECT COST	\$	310,000					

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

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

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

The major part of this project, the Main Street pedestrian upgrades, is scheduled to begin in March of 2019 in conjunction with the repaving of Main Street. This work is complete and funds will be exhausted prior to the end of 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 could be an asset to identifying grant opportunities.

Estimated \$250,000 for additional Safe Routes To School upgrades for Downes School on Casho Mill Road. Council supported the item in 2019 (Item 7B Minutes of April 22, 2019). SRTS is likely to be completed in 2021 and therefore, the additional funding has been moved to the out years. No current resources are contemplated for 2021.

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	250,000	1	250,000	\$ -	1	25,000	25,000	30,000	30,000	\$ 110,000
CAPITAL RESERVES	111,759	-	111,759	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	50,000	50,000	50,000	50,000	\$ 200,000
BOND ISSUES	-	ı	-	\$ -	1	1	-	-	-	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	-	-	-	-	\$ -
OTHER DelDOT	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 361,759	\$ -	\$ 361,759	\$ -	\$ -	\$ 75,000	\$ 75,000	\$ 80,000	\$ 80,000	\$ 310,000
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPE	RATING IMPACT	T:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -



PROJECT NO: **HEQSF** 

**PROJECT TITLE: Equipment Replacement Program**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2022 2023 2024 2025 **Total 5 Year** 2021 196.000 293.000 350.000 1,474,000 635,000 196,000 \$ 293,000 635,000 350,000 \$ \$ 1,474,000 2021-2025 Funding: \$

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT:	PWWR						
DIVISION:	Street						
FUND:	General						
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:	\$ 1,805,000
Est. Spend @ 12/31/2020 (if underway):	\$ 331,000
% Complete (if underway):	18.3%
Balance to be funded¹:	\$ 1,474,000

<sup>&</sup>lt;sup>1</sup> 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	\$	1,474,000						
TOTAL PRO	DJECT COST	\$	1,474,000						

<sup>&</sup>lt;sup>2</sup> 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 (2021-2025).

PWWR recommends pushing all street vehicles to 2022, but we should look at splitting between 2021 and 2022 since 2022 is low right now. 2021 550 2022 554

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	1	-	\$ -	100,155	136,867	250,646	188,015	-	\$ 675,683
CAPITAL RESERVES	331,000	-	336,653	\$ (5,653)					-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	95,845	156,133	384,354	161,985	-	\$ 798,317
GRANTS (SPECIFY)	-	1	-	\$ -	-	-	1	-	-	\$ -
BOND ISSUES	-	ı	-	\$ -	1	-	ī	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	1	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	1	-	-	\$ -
TOTAL:	\$ 331,000	\$ -	\$ 336,653	\$ (5,653)	\$ 196,000	\$ 293,000	\$ 635,000	\$ 350,000	\$ -	\$ 1,474,000
§ 806.1(4) ESTIMATED ANNUAL COST O	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

#### CITY OF NEWARK, DELAWARE **VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025** PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION

					MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT					
VEHICLE			PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING			CEMENT		
NUMBER	DESCRIPTION		DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021	2022	2023	2024	2025
	FOREMAN'S TRUCK														
515	2013 Ford F150 Pickup 4x4		06/28/13	19,994	46,518	95,000	10	2023	2023	19,994			45.000		
			,,		,	,									
	SIGNS & PAINTING														
551	2012 Ford F450 Stake Truck		01/20/12	50,759	57,531	100,500	8	2020	2022	50,759		60,000			
	DUMP TRUCKS														
522	2015 Ford F650	C.	07/31/15	106,500	12,673	75,000	10	2025	2025	106,500					-
523	2012 Int'l 7400 SBA	e.	10/14/11	161,985	23,150	75,000	7	2018	2023	161,985			260,000		
528	2002 Int'l 4900 Dump Truck	a.	08/31/01	88,107	60,477	100,000	10	2011	2020	88,107					
542	2017 Ford F350 Super Duty/Dump Body		11/27/17	53,746	4,618	85,000	10	2027	2027	53,746					
550	2004 Int'l 7400 Dump Truck		11/21/03	95,845	69,410	75,000	10	2013	2021	95,845	196,000				
553	2013 Int'l 7400 Dump Truck/Swap Loader	f.	03/28/13	161,985	20,266	80,000	10	2023	2024	161,985				350,000	
554	2004 Int'l 7400 Dump Truck		11/21/03	95,845	70,829	60,000	10	2013	2022	95,845		208,000			
	OTHER EQUIPMENT														
502	1984 Ingersoll Air Compressor		02/13/85	9,529					2022	9,529		25,000			
508	2000 Tarco Windy 400 Vac Leaf Loader		12/15/00	35,200						-					
509	2001 Tarco Windy 400 Vac Leaf Loader		07/13/01	35,200						_					
510	2000 Tarco Windy 400 Vac Leaf Loader	a.	02/20/98	34,689			12	2010	2020	34,689					
511	2013 Case 590 SM Loader/Backhoe 4x4		01/07/14	92,375			9	2023	2023	92,375			150,000		
525	2011 ODB Leaf Machine 20CY		10/14/11	55,000			7	2018	2023	55,000			90.000		
527	2013 ODB Leaf Loader 20CY		03/28/13	55,000			10	2023	2023	55,000			90,000		
531	2018 Case 621G Wheel Loader		06/01/18	165,031			10	2018	2028	165,031					
TOTAL STRE	ET DIVISION						GROSS AC	QUISITION C	OST		\$ 196,000	\$ 293,000	\$ 635,000	\$ 350,000	\$ -
							LESS: USE	OF CAPITAI	L RESERVES		(100,155)	(136,867)	(250,646)	(188,015)	-
a	. This vehicle is scheduled to be replaced in 2020.						LESS: USE	OF CURREN	NT RESOURC	CES	-	-	-	-	-
С	. 2025 Replacement Cost will be added when esting	nate recei	ved				NET EQUIP	MENT SINK	ING FUND T	OTAL	\$ 95,845	\$ 156,133	\$ 384,354	\$ 161,985	\$ -

c. 2025 Replacement Cost will be added when estimate received

e. This vehicle is the first swaploader purchase. Old 523, a 1997 Int'l 4900, was renumbered 552 and retained as a backup vehicle.

f. This vehicle is the second swaploader- funds from 508 and 509 (not to be replaced) were used to purchase in 2013.

#### \*Prior Authorized Balance includes 2020 carryover funding only.



PROJECT NO: **TEQSF** 

**PROJECT TITLE: Equipment Replacement Program**  **FUNDING SUMMARY:** New Funding: \*Prior Authorized Balance

2021 2022 2023 2024 2025 **Total 5 Year** 35,000 35,000 2021-2025 Funding: \$ 35,000 \$ 35,000

PROJECT STATUS: Reoccurring (with no end date)

CAPITAL	BUDGET - PROJECT DETAIL					
DEPARTMENT:	PWWR					
DIVISION:	Engineering					
FUND:	General					
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:	\$	35,000
Est. Spend @ 12/31/2020 (if underway):	\$	-
% Complete (if underway):		0.0%
Balance to be funded¹:	\$	35,000

<sup>&</sup>lt;sup>1</sup> 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	\$	35,000							
TOTAL PROJECT COST \$ 35,000										

<sup>&</sup>lt;sup>2</sup> 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 (2021-2025).

			PROJECT FIN	ANCING BY PLA	N YEAR					
§ 806.1(3) <b>SOURCE OF FUNDS:</b>	Prior Authorized <sup>2</sup>	Actual Funds Utilized as of 03/31/20	Estimated Expenditures 04/01/20 - 12/31/20	Estimated Authorized Balance <sup>2</sup> 12/31/20	2021	2022	2023	2024	2025	TOTAL 5 Year CIP
CURRENT RESOURCES	-	1	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	13,194	-	-	\$ 13,194
EQUIPMENT REPLACEMENT	_	1	-	\$ -	-	1	21,806	-	-	\$ 21,806
GRANTS (SPECIFY)	_	ı	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	1	-	\$ -	-	1	-	-	-	\$ -
STATE REVOLVING LOAN	-	1	-	\$ -	-	1	-	-	-	\$ -
OTHER (SPECIFY)	-	1	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000
§ 806.1(4) ESTIMATED ANNUAL COST OF	F	OPE	RATING IMPACT	:	2021	2022	2023	2024	2025	TOTAL
OPERATING / MAINTAINING PROJECT OR AS	SSET	INCREMENT	AL COSTS (NET S	SAVINGS)	-	-	-	-	-	\$ -

## CITY OF NEWARK, DELAWARE VEHICLE REPLACEMENT PROGRAM SCHEDULE 2021-2025 PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION

				MILEAGE	RECOM'D	NORMAL	NORMAL	BUDGET	EQUIPMENT						
VEHICLE		PURCHASE	PURCHASE	AS OF	MILEAGE	YEARS	REPL	REPL	SINKING		REPI	LACE	MENT	COSTS	
NUMBER	DESCRIPTION	DATE	PRICE	7/31/2019	AT REPL	LIFE	YEAR	YEAR	FUND BASIS	2021	2022		2023	2024	2025
	STAFF VEHICLES														
714	2015 Ford F350 SD Pickup Truck	c. 11/30/14	30,978	14,843	85,000	10	2025	2025	30,978						-
735	2019 Ram 1500 Classic Tradesman	07/26/19	19,024		80,000	10	2029	2029	19,024						
	INSPECTORS														
700	2019 Chevrolet Equinox AWD	06/07/19	22,122	1,075	65,000	10	2029	2029	22,122						
711	2019 Ram 1500 Classic Tradesman	07/29/19	19,024	_,	80,000	10	2029	2029	19,024						
748	2017 Ford F150 Pickup Truck	08/04/17	20,832	9,007	60,000	10	2027	2027	20,832						
740	2017 Ford F150 Fickup Frack	00/04/17	20,032	3,007	00,000	10	2027	2027	20,032						
	SURVEY VAN														
746		00/20/12	24.000	14 457	00.000	10	2022	2022	21.006				25.000		
746	2013 Ford Van Transit Connect	08/30/13	21,806	14,457	99,000	10	2023	2023	21,806				35,000		
TOTAL FAICE	INITEDING DIVICION					CDOCC AC	OLUCITION	COCT		<b>*</b>			35.000	*	<u> </u>
TOTAL ENGI	INEERING DIVISION						QUISITION (			\$ -	\$	- \$	35,000	\$ -	\$ -
						LESS: US	E OF CAPITA	L RESERVES		-		-	(13,194)	-	
C	c. 2025 Replacement Cost will be added when estimate	received				LESS: US	E OF CURREI	NT RESOUR	CES	-		-	-	-	
						NET EQUI	PMENT SINK	ING FUND 1	TOTAL	\$ -	\$	- \$	21,806	\$ -	\$ -



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT FLEET MAINTENANCE DIVISION

**EXECUTIVE SUMMARY** 

## CITY OF NEWARK, DELAWARE 2021 OPERATING BUDGET PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION

#### **EXECUTIVE SUMMARY**

EXPENDITURE BUDGET		 			
	FY2020	FY2021	FY2020 Appr'd	% +/- over	
Object Level Detail:	Appr'd	Rec'd	vs. FY2021 Rec'd	FY2020 Appr'd	Comments
Full-time Wages	287,835	296,067	8,232	2.86%	*Step increases and advancements
Other Wages	 44,888	 37,195	(7,693)	-17.14%	*Decrease largely due to an decrease of \$8,000 for 6620 (Overtime)
Benefits	185,730	176,325	(9,405)	-5.06%	*The overall decrease in FY2021 is largely due to the following changes. Line item 6940 (City Pension Plan) decreased by -\$14,942 in 2021 while line items 6950 (Term Life Insurance) increased by \$1,984 and line item 6960 (Group Hospitalization) increased by \$1,942. *Please note, items 6940 and 6950 are currently under review by finance and the disbursement allocation will be updated City-wide following the departmental budget hearings.
Personnel Services	\$ 518,453	\$ 509,587	(8,866)	-1.71%	*Sum of above listed wages and benefits
Materials and Supplies	\$ 586,150	\$ 592,600	6,450	1.10%	*Increases in the amount of \$25,000 to line item 7310 (Vehicle Maintenace) and \$20,000 to line item 7060 (Tire & Tire Repair Expense) in FY2021 are partially offset by reductions of - \$35,000 to line item 7070 (Gasoline, Oil, Coolant, Etc.), -\$2,500 to line item 7130 (Tools, Field Sup. & Small Eq.) and -\$1,000 to line item 7300 (Machinery & Equip. Maintenance)
Contractual Services	\$ 277,695	\$ 270,535	(7,160)	-2.58%	*Decrease largely due to City-Wide changes related to our insurance coverage. Insurance lines decreased by a total of -\$8,779, these decreases are partially offset by an increase to line items 8300 (Machinery & Equip. Maintenance) in the amount of \$2,000
Depreciation	\$ 28,617	\$ 42,260	13,643	47.67%	*Finance Calculation
Other Expenditures	\$ 2,700	\$ 1,450	(1,250)	-46.30%	*Decrease in 2021 is due to reduction of -\$1,250 to line item 9070 (Training)
Subtotal:	\$ 1,413,615	\$ 1,416,432	\$ 2,817	0.20%	
Inter-Dept. Charges	\$ 57,504	\$ 68,127	10,623	18.47%	*Reflects the cost share of City overhead which includes: Billings and Accounting, Electricity Used, Information Technology and Other Indirect Charges
Total Operating Expenses:	\$ 1,471,119	\$ 1,484,559	\$ 13,440	0.91%	
Full-time Positions	4	4	0		*No change from FY2020 to FY2021.

CAP	ITAL IMPROVEMENT PL	AN (CIP)	
	Project ID:	Project Description:	Comments
	New projects:	N/A	*No new projects planned in 2021-2025 CIP
	Ongoing projects: MEQSF	Equipment Replacement Program	Perpetual Project (*Please note: No replacements scheduled within the 2021-2025 CIP)



# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT FLEET MAINTENANCE DIVISION

**2021 OPERATING EXPENDITURES** 

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

#### Summary:

FLEET MAINTENANCE DIVISION - SUMMARY	2016 ACTUAL		2017 ACTUAL		2018 ACTUAL		2019 ACTUAL		2020 BUDGET AS AMENDED		2021 BUDGET
OPERATING EXPENSES											
Personnel Services	\$ 474,992	\$	440,560	\$	485,615	\$	509,932	\$	518,453	\$	509,587
Materials and Supplies	542,195		592,886		655,746		609,132		586,150		592,600
Contractual Services	159,828		184,774		198,883		224,529		277,695		270,535
Other Charges	18,049		16,512		29,370		19,787		31,317		43,710
Subtotal	\$ 1,195,064	\$	1,234,732	\$	1,369,614	\$	1,363,380	\$	1,413,615	\$	1,416,432
Inter-Dept. Charges	(1,195,064)		53,335		68,899		113,660		57,504		68,127
Total Operating Expenses	\$ -	\$	1,288,067	\$	1,438,513	\$	1,477,040	\$	1,471,119	\$	1,484,559

\$	DIFFERENCE	% DIFFERENCE
FR	OM 2020-21	FROM 2020-21
\$	(8,866)	-1.7%
	6,450	1.1%
	(7,160)	-2.6%
	12,393	39.6%
\$	2,817	0.2%
	10,623	18.5%
\$	13,440	0.9%

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

#### **Expenditures:**

PERSONNEL SER	VICES		2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	F	2021 SUDGET
6006002	6250	Mechanics	\$ 254,621	\$ 258,579	\$ 268,173	\$ 280,075	\$ 287,835	\$	296,067
6006002	6580	Service Award	6,460	4,887	5,356	5,831	6,309		6,803
6006002	6590	Sick Pay	4,915	4,334	4,308	4,765	5,279		5,092
6006002	6620	Overtime	30,509	16,222	9,486	6,122	28,000		20,000
6006002	6880	Uniform Allowance	1,175	2,400	2,400	2,400	2,400		2,400
6006002	6881	Tool Allowance	1,080	1,650	1,400	1,400	1,400		1,400
6006002	6885	Device Reimbursement	-	-	1,500	1,500	1,500		1,500
6006002	6920	Unemployment Comp. Ins.	1,813	1,342	1,124	1,147	1,342		1,188
6006002	6930	Social Security Taxes	22,405	22,058	22,273	22,985	25,358		26,011
6006002	6940	City Pension Plan	87,744	57,017	99,393	117,245	82,401		67,459
6006002	6941	Defined Contribution 401(a) Plan	1,216	3,996	4,300	4,762	5,078		5,218
6006002	6950	Term Life Insurance	1,130	1,187	1,286	1,591	1,369		3,353
6006002	6960	Group Hospitalization Ins.	37,557	39,289	40,326	41,602	44,916		46,858
6006002	6961	Long-Term Disability Ins.	432	448	486	635	665		1,371
6006002	6962	Dental Insurance	2,000	2,450	2,316	2,316	2,502		2,454
6006002	6964	Health Savings Account	1,500	1,500	1,500	1,500	1,500		1,500
6006002	6965	Post-Employment Benefits	19,843	21,691	18,456	12,504	18,435		18,728
6006002	6966	Retirement Health Savings Acct	464	1,358	1,380	1,400	1,421		1,443
6006002	6967	Emergency Room Reimbursements	-	-	-	-	580		580
6006002	6968	Vision Insurance Premiums	128	152	152	152	163		162
TOTAL PERSONNE	L SERVI	CES	\$ 474,992	\$ 440,560	\$ 485,615	\$ 509,932	\$ 518,453	\$	509,587

(8,000)	-28.6% 0.0%
_	0.0%
-	0.0%
(154)	-11.5%
653	2.6%
(14,942)	-18.1%
140	2.8%
1,984	144.9%
1,942	4.3%
706	106.2%
(48)	-1.9%
-	0.0%
293	1.6%
22	1.5%
- (1)	0.0%
(1)	-0.6%
\$ (8,866)	-1.7%

# PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WAGE AND SALARY BUDGET - 2021 FLEET MAINTENANCE DIVISION

Title	Union Affiliation	Grade	2020 # of	2020	2021 # of	2021	Position	\$	%
Title	Chion Armadon	Grade	Positions	Approved	Positions	Requested	Difference	Difference	Change
FULL TIME POSITIONS									
Senior Mechanic II	AFSCME LOCAL 3919 F/T	15	1.0	\$ 78,818	1.0	\$ 81,379	0.0	\$ 2,561	3.2%
Senior Mechanic	AFSCME LOCAL 3919 F/T	13	1.0	\$ 72,605	1.0	\$ 74,316	0.0	\$ 1,711	2.4%
Mechanic II	AFSCME LOCAL 3919 F/T	11	2.0	\$ 136,412	2.0	\$ 140,372	0.0	\$ 3,960	2.9%
Total Full Time Positions			4.0	\$ 287,835	4.0	\$ 296,067	0.0	\$ 8,232	2.9%
<u>OTHER</u>									
Service Award				\$ 6,309		\$ 6,803		\$ 494	7.8%
Sick Pay				\$ 5,279		\$ 5,092		\$ (187)	-3.5%
Overtime				\$ 28,000		\$ 20,000		\$ (8,000)	-28.6%
Uniform Allowance				\$ 2,400		\$ 2,400		\$ -	0.0%
Tool Allowance				\$ 1,400		\$ 1,400		\$ -	0.0%
Device Reimbursements				\$ 1,500		\$ 1,500		\$ -	0.0%
Total Other				\$ 44,888		\$ 37,195		\$ (7,693)	-17.1%
									_
Total All		•	4.0	\$ 332,723	4.0	\$ 333,262	0.0	\$ 539	0.2%

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

#### Expenditures:

MATERIALS AN	D SUPPL	IES	ı	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
6006003	7020	Heating Fuel	\$	4,457	\$ 858	\$ -	\$ -	\$ -	\$ -
6006003	7060	Tire & Tire Repair Expense		71,485	69,351	87,445	83,876	65,000	85,000
6006003	7070	Gasoline, Oil, Coolant, Etc.		257,327	319,010	352,846	317,258	335,000	300,000
6006003	7110	Safety Shoes & Supplies		826	1,377	1,296	1,249	1,200	1,200
6006003	7130	Tools, Field Sup., & Small Eq.		5,222	7,029	6,869	5,685	7,500	5,000
6006003	7150	Office Supplies		35	152	440	28	450	400
6006003	7250	Buildings and Grounds Maint.		842	521	-	590	-	-
6006003	7300	Machinery & Equip. Maintenance		6,299	-	3,460	472	2,000	1,000
6006003	7310	Vehicle Maintenance		195,702	194,588	203,390	199,974	175,000	200,000
		·							
TOTAL MATERIA	LS & SUP	PLIES	\$	542,195	\$ 592,886	\$ 655,746	\$ 609,132	\$ 586,150	\$ 592,600

		_
\$	6,450	1.1%
	25,000	14.3%
	(1,000)	-50.0%
	-	0.0%
	(50)	-11.1%
	(2,500)	-33.3%
	-	0.0%
	(35,000)	-10.4%
	20,000	30.8%
\$	-	0.0%
FRO	OM 2020-21	FROM 2020-21
\$ [	DIFFERENCE	% DIFFERENCE

CONTRACTUAL	SERVICE	ES .	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	2021 BUDGET
6006004	8030	Casualty Insurance	\$ 63,504	\$ 6,173	\$ 6,049	\$ 7,283	\$ 8,100	\$ 4,382
6006004	8031	Insurance - Property	-	32,065	50,670	45,157	48,070	48,830
6006004	8032	Insurance - Auto	-	1,713	3,922	3,383	4,221	2,866
6006004	8033	Insurance - Broker	-	3,663	5,191	5,506	5,440	974
6006004	8035	Insurance - Worker's Compensation	-	-	-	10,209	14,450	14,450
6006004	8050	Phone/Communications	146	1,476	158	169	180	180
6006004	8131	Information Technology Cont'l	4,653	8,160	5,824	4,082	8,242	6,142
6006004	8250	Buildings and Grounds Maint.	252	-	-	-	-	-
6006004	8300	Machinery & Equip. Maintenance	-	-	242	-	1,000	3,000
6006004	8310	Vehicle Maintenance	87,307	82,515	117,632	74,379	100,000	100,000
6006004	8311	Vehicle Accidents	3,945	2,444	9,082	5,724	4,500	5,000
6006004	8312	Fleet & Facilities Services	-	46,250	-	68,604	83,492	84,711
6006004	8550	Misc. Contracted Services	21	315	113	33	-	-
TOTAL CONTRAC	TUAL SEI	RVICES	\$ 159,828	\$ 184,774	\$ 198,883	\$ 224,529	\$ 277,695	\$ 270,535

\$ 0	DIFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	(3,718)	-45.9%
	760	1.6%
	(1,355)	-32.1%
	(4,466)	-82.1%
	-	0.0%
	-	0.0%
	(2,100)	-25.5%
	-	0.0%
	2,000	200.0%
	-	0.0%
	500	11.1%
	1,219	1.5%
	<u>-</u>	0.0%
\$	(7,160)	-2.6%

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

#### Expenditures:

OTHER CHARGI	ES		,	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	D BUDGET AMENDED	2021 BUDGET
6006005	9020	Mileage & Small Bus. Expense	\$	-	\$ -	\$ 11	\$ -	\$ 200	\$ 200
6006005	9060	Depreciation Expense		15,822	14,661	28,156	16,978	28,617	42,260
6006005	9070	Training & Continuing Educ/Conf		1,521	1,851	1,203	2,809	2,500	1,250
6006005	9099	Contingencies		706	-	-	-	-	-
TOTAL OTHER CH	HARGES		\$	18,049	\$ 16,512	\$ 29,370	\$ 19,787	\$ 31,317	\$ 43,710

.6%	39.69	\$ 12,393	\$
.0%	0.09	-	
.0%	-50.09	(1,250)	
.7%	47.79	13,643	
.0%	0.09	\$ -	\$
-21	FROM 2020-2	FROM 2020-21	F
ICE	% DIFFERENC	\$ DIFFERENCE	
	0/ DIEEEDEN	Ć DIECEDENICE	

INTER-DEPT. CHARGES	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	0 BUDGET AMENDED	F	2021 SUDGET
Billings and Accounting	\$ 17,404	\$ 13,447	\$ 15,687	\$ 1,943	\$ 14,712	\$	15,231
<b>Buildings and Grounds</b>	9,148	-	-	-	-		
Electricity	12,518	9,110	12,640	71,300	8,058		11,345
Information Technology	13,786	21,663	21,426	18,778	22,761		21,873
Other Indirect Charges	(11,859)	9,115	19,146	21,639	11,973		19,678
Vehicles and Equipment	(1,236,061)	-	-	-	-		-
TOTAL INTER-DEPT. CHARGES	\$ (1,195,064)	\$ 53,335	\$ 68,899	\$ 113,660	\$ 57,504	\$	68,127

\$ [	DIFFERENCE	% DIFFERENCE
FRC	OM 2020-21	FROM 2020-21
\$	519	3.5%
	-	0.0%
	3,287	40.8%
	(888)	-3.9%
	7,705	64.4%
	<u>-</u>	0.0%
\$	10,623	18.5%
	•	

OPERATING EXPENSES - FLEET MAINTENANCE DIVISION	2016 ACTUAL	2017 ACTUAL	2018 ACTUAL	2019 ACTUAL	20 BUDGET S AMENDED	2021 BUDGET
TOTAL OPERATING EXPENSES	\$ (1,034,394)	\$ 1,288,067	\$ 1,438,513	\$ 1,477,040	\$ 1,471,119	\$ 1,484,559

\$ D	IFFERENCE	% DIFFERENCE
FRO	M 2020-21	FROM 2020-21
\$	13,440	0.9%
	<del></del>	



## **PUBLIC WORKS AND WATER RESOURCES DEPARTMENT**

## **APPENDICES**

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

#### APPENDIX A - OBJECT CODE 7131 AND 8131 - (2020 AND 2021 BUDGET COMPARISON)

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

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
7131 Honeywell - Equipment	One Time	1,260.50	-	(1,260.50) New handheld equipment for Meter and Module Programming
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,150.00	3,700.00	550.00 AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Comcast / Verizon South Chapel St South Well Field (SWF) \$105.15	Monthly	1,357.62	1,440.00	82.38 Internet Connection
8131 Crystal Reports Server Annual Maintenance - Allocated	Annual	1,500.00	800.00	(700.00) Report Generation Software (SCADA)
8131 Elster License Fee (SLA) Tropos Software Maintenance - Allocated	Annual	17,500.00	17,500.00	- Smart-Meter System (Wireless Infrastructure)
8131 Elster Software Maintenance - EAMS Allocated	Annual	6,500.00	6,500.00	- 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 Application & Implementation	One Time	3,360.75	-	(3,360.75)
8131 FieldSense Maintenance	Annual	875.00	927.50	52.50
8131 Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,400.00	4,468.00	68.00 Smart Meter System - Proactive Oracle Database Maintenance
8131 Harris - Smartworks Software Maintenance - Allocated	Annual	6,800.00	6,962.50	162.50 Smart-Meter System (Middleware)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	13,100.00	12,640.00	(460.00) Utility Billing Software (including Smart-Meter System)
8131 Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,250.00	1,292.00	42.00 Smart Meter - Oracle Database Software License
8131 Redhat Software Maintenance - Allocated	Annual	550.00	550.00	- Smart Meter - Linux Operating System for Servers
8131 Win911	Annual	600.00	-	(600.00) Schneider Electric - Clearscada Development Software Maintenance
8131 Schneider Electric - ClearScada Annual Maintenance (ACS)	Annual	3,500.00	3,500.00	- ClearScada, Win911, Kepware
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	2,825.24	2,825.24	<ul> <li>Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management</li> </ul>
8131 Verizon - Cellular/Data - Allocated	Monthly	10,735.00	10,735.00	- Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	2,083.33	2,083.33	- VOIP Phone System
7131 and 8131 Subto	tals:	83,847.44	78,423.57	(5,423.87)
7151 4114 6151 54616	<del>(</del>	83,847.00	\$ 78,424.00	\$ (5,424.00)
7131 Subt		1,261.00	-	(1,261.00)
8131 Subt	otal:	82,586.00	78,424.00	(4,163.00)

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

#### APPENDIX A - OBJECT CODE 7131 AND 8131 - (2020 AND 2021 BUDGET COMPARISON)

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

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
7131 Honeywell - Equipment	One Time	1,260.50	-	(1,260.50) New handheld equipment for Meter and Module Programming
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,150.00	3,700.00	550.00 AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Elster License Fee (SLA) Tropos Software Maintenance - Allocated	Annual	17,500.00	17,500.00	- Smart-Meter System (Wireless Infrastructure)
8131 Elster Software Maintenance - EAMS Allocated	Annual	6,500.00	6,500.00	- Smart-Meter System (Radio Infrastructure)
8131 Elster Upgrade - Allocated	One Time	-	-	- Smart-Meter System (Radio Infrastructure) - Required Upgrade
8131 Esri Small Government ELA - Allocated	Annual	2,500.00	2,500.00	- GIS Server, Client, Cloud Licensing
8131 FieldSense Application & Implementation	One Time	3,360.75	-	(3,360.75)
8131 FieldSense Maintenance	Annual	875.00	927.50	52.50
8131 Harris - Smartworks - Oracle Database Tuning - Allocated	Annual	4,400.00	4,468.00	68.00 Smart Meter System - Proactive Oracle Database Maintenance
8131 Harris - Smartworks Software Maintenance - Allocated	Annual	6,800.00	6,962.50	162.50 Smart-Meter System (Middleware)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	13,100.00	12,640.00	(460.00) Utility Billing Software (including Smart-Meter System)
8131 Oracle Software Subscription Renewal (Not Harris) - Allocated	Annual	1,250.00	1,292.00	42.00 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	2,742.15	<ul> <li>Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management</li> </ul>
8131 Verizon - Cellular/Data - Allocated	Monthly	965.00	-	(965.00) Computer Mobile Internet Connectivity
7131 and 8131 Subto	tale:	64,953.40	59,782.15	(5,171.25)
7151 tilit 6151 State	tuis.	\$ 64,953.00	5 59,782.00	
		, 11,555100 (	22,702.00	X (4)
7131 Subt	otal:	1,261.00	-	(1,261.00)
8131 Subt	otal:	63,692.00	59,782.00	(3,911.00)

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STORMWATER DIVISION APPENDIX A - OBJECT CODE 8131 - (2020 AND 2021 BUDGET COMPARISON)

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

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
8131 AutoDesk (Civil 3D) - 3 licenses - Allocated	Annual	3,150.00	3,700.00	550.00 AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131 Harris - NorthStar Annual Maintenance - Allocated	Annual	13,100.00	12,640.00	(460.00) Utility Billing Software (including Smart-Meter System)
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	2,742.15	2,742.15	<ul> <li>Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management</li> </ul>
8131 Verizon - Cellular/Data - Allocated	Monthly	965.00	1,440.00	475.00 Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	347.22	347.22	- VOIP Phone System
	0424 Cube-t-li	20 204 27	20.000.27	555.00
	8131 Subtotal:	20,304.37	20,869.37	565.00
		\$ 20,304.00	\$ 20,869.00	\$ 565.00

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION APPENDIX A - OBJECT CODE 8131 - (2020 AND 2021 BUDGET COMPARISON)

#### PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - REFUSE DIVISION

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	: +/- Prior Year Description
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	347.22	347.22	- VOIP Phone System
8131 Verizon - Cellular/Data - Allocated	Monthly	-	1,440.00	1,440.00 Computer Mobile Internet Connectivity
	8131 Subtotal:	347.22	1,787.22	
	8131 Subtotui.	\$ 347.00	\$ 1.787.00	,
		0 17100	2,707.00	¥ Ly. (March

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION APPENDIX A - OBJECT CODE 8131 - (2020 AND 2021 BUDGET COMPARISON)

#### PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - STREET DIVISION

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
8131 Tyler Technologies Munis Annual Maintenance - Allocated	Annual	4,154.77	4,154.77	- Computer Mobile Internet Connectivity
8131 Verizon - Cellular/Data - Allocated	Monthly	485.00	-	(485.00) Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	347.22	347.22	- VOIP Phone System
	8131 Subtotal:	4,986.99	4,501.99	(485.00)
		\$ 4,987.00	\$ 4,502.00	\$ (485.00)

#### PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION APPENDIX A - OBJECT CODE 8131 - (2020 AND 2021 BUDGET COMPARISON)

#### PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - ENGINEERING DIVISION

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
8131 AutoTurn	Annual	470.00	-	(470.00) Engineering software to truck turn around design and planning
8131 Bluebeam Revu	Annual	450.00	450.00	- PDF Based Engineering Eeview and Collaboration Software Maintenance
8131 Bluebeam Revu	One Time	500.00	-	(500.00) PDF Based Engineering Eeview and Collaboration Software (Purchase Additional License)
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	4,154.77	<ul> <li>Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management</li> </ul>
8131 Verizon - Cellular/Data - Allocated	Monthly	5,360.00	6,240.00	880.00 Computer Mobile Internet Connectivity
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	3,472.22	3,472.22	- VOIP Phone System
8131 HP T2530PS - Plotter (48 month) - Allocated	Year 3 of 4	1,298.28	1,298.28	- Wide Format Plotter and Scanner
	8131 Subtotal:	18,405.27	18,315.27	(90.00)
	\$	18,405.00	\$ 18,315.00	\$ (90.00)

## PUBLIC WORKS AND WATER RESOURCES DEPARTMENT - FLEET MAINTENANCE DIVISION APPENDIX A - OBJECT CODE 8131 - (2020 AND 2021 BUDGET COMPARISON)

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

Code 2021 IT Annual Operating Expense	Renewal	2020 Budget	2021 Budget	+/- Prior Year Description
8131 Cummins Insite Lite Registration	Annual	1,000.00	-	(1,000.00) Large Truck Diagnostic Software
8131 Cummins Quick Serve	Annual	450.00	-	(450.00) Large Truck Diagnostic Software
8131 International Servicemaxx Fleet Pro Software	Annual	650.00	-	(650.00) Large Truck Diagnostic Software
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	1,400.00	- Snap-On Vehicle Diagnostic Handheld Scanner Software
8131 VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	1,041.67	1,041.67	- VOIP Phone System
	8131 Subtotal:	8,241.67	6,141.67	(2,100.00)
		\$ 8,242.00	\$ 6,142.00	\$ (2,100.00)