

Department of Electric 2024 Budget Presentation

September 18, 2023

Introduction – Electric

- ▶ Director – Bhadresh Patel
- ▶ Deputy Director – Sam Sneeringer
- ▶ Electric Line Superintendent – Phil Sawyer

Accomplishments

- ▶ The City of Newark Electric Department applied for the Reliable Public Power Provider (RP3) program in 2019 and achieved a 'Gold' RP3 designation from the American Public Power Association (APPA). This recognition is valid for three years, and we reapplied in 2022. In April 2023, the City was awarded the 'Platinum' RP3 designation, the second highest level of recognition in the program.
- ▶ The City of Newark Electric Department achieved Honorable Mention Place in Group C of the American Public Power Association's (APPA) 2022 Safety Award of Excellence. This recognition was well-deserved and was presented at the 2023 APPA Engineering and Operations Conference on May 2nd.
- ▶ The City of Newark Electric Department has been recognized by the American Public Power Association (APPA) for its outstanding electric reliability in 2022. With a membership of over 2,000 not-for-profit, community-owned electric utilities, APPA closely monitors power outages and restoration data through its eReliability Tracker service. Once a year, APPA's Reliability Team compares this data to national statistics from the U.S. Energy Information Administration for all types of electric utilities. It's important to note that public power customers experience fewer outages than customers of other utility types, with lights out for less than half the time.

Accomplishments Cont'd

- ▶ We have also completed the following development projects throughout the City:
 - ▶ College Square Shopping Center
 - Raising Cane's
 - First Watch
 - Starbucks
 - ▶ Green Mansion
 - Hyatt Place Hotel
 - Installed 49 electric meters for the apartment building
 - ▶ Briarcreek North – in process
 - Installed new services to 4 new townhomes
 - ▶ The Mill at White Clay
 - Installed a new service for Building 800

Current Capital Improvement Program Update

► Capital Improvement Program Updates

- CIP E1807 – Relay replacement at Kershaw Substation - Completed engineering and design drawings for transformers T4 and T3. The material has been ordered for T4, and we are on track to take an outage to start the installation in the Fall/Winter.
- CIP E2002 – New Substation - Working on finalizing the easement agreement with the University, 1743 Holding, and the State for the substation and new pole line. We are also working on finalizing the electric system analysis for the new interconnection and STAR Campus Substation.
- CIP E2202 – Electric Warehouse Expansion - The project is in progress. We are completing the design. The construction will take place in 2024.
- CIP E2303 – Underground Cable Replacement – The project is in progress. The material for this project will be ordered in 2023, and construction will start in 2024.
- CIP E1810 – Lightning Arrestor Replacement – The project is in progress, the material has been ordered, and the replacement will start in winter 2023.

2024 Goals

- ▶ Install new communication devices at the following substations so they can be transferred to the new Supervisory Control and Data Acquisition (SCADA) system.
 - East Main, West Main, Phillips and Kershaw Substations
- ▶ CIP - E2202- Electric Warehouse expansion, start the construction of the warehouse expansion of building #2.
- ▶ CIP – E2302 – Replace 12,470-volt aerial spacer cable.
- ▶ CIP – E2303 – Replace the old underground 12,470-volt single phase primary cable at Devon.
- ▶ CIP – E2001 – Electric Vehicle Charging Station installation
 - Municipal Lot #3 – 3 dual-port EV chargers
 - Municipal Lot#4 – 3 dual-port chargers
 - George Wilson Center – 2 dual-port chargers and 4 E-bike charging ports
 - Curtis Mill Park – 2 dual-port EV chargers and 4 E-bike charging ports
 - Phillips Park – 1 dual-port EV charger and 4 E-bike charging ports.

2024 Goals Cont'd

- ▶ E2002 – New Substation – Finalize the easements and right of ways, apply for the new interconnection point, and finalize the material list.
- ▶ E1912 – 35kV Disconnect Switches Replacement
- ▶ E1807 – Replace Replacement at Kershaw Substation
- ▶ E1810 – Lighting Arrestor Replacement
- ▶ Installation of electric distribution lines in new developments
 - 62 North Chapel
 - 268 East Main Street
 - Milford Run
 - 132-138 East Main Street (Danneman)
 - Home 2 Suits Hotel – 1119 South College Ave.
- ▶ Implementation of Outage Management System (OMS)

Electric Budget Overview

					*as amended	**as proposed		
ELECTRIC DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
SUMMARY:	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET +	2024 BUDGET +	FROM 2023 BUDGET	FROM 2023 BUDGET
Electric	\$ 38,990,066	\$ 36,968,997	\$ 37,066,767	\$ 41,409,401	\$ 47,952,127	\$ 47,384,031	\$ (568,096)	-1.2%
Total Electric:	\$ 38,990,066	\$ 36,968,997	\$ 37,066,767	\$ 41,409,401	\$ 47,952,127	\$ 47,384,031	\$ (568,096)	-1.2%

Electric Budget Overview –By Object Level

					*as amended	**as proposed		
ELECTRIC DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
SUMMARY (BY OBJECT LEVEL):	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET *	FROM 2023 BUDGET	FROM 2023 BUDGET
Personnel Services	3,462,234	4,295,203	2,599,310	3,936,348	3,828,513	3,853,912	25,399	1%
Utility Purchases	31,549,199	29,267,161	30,929,837	33,501,433	39,217,788	38,305,748	(912,040)	-2%
Materials and Supplies	286,865	216,996	213,179	284,759	336,800	337,200	400	0%
Contractual Services	1,434,585	1,540,160	1,596,895	1,852,896	1,971,474	2,149,176	177,702	9%
Equipment Depreciation	206,585	190,135	183,081	211,423	357,890	391,489	33,599	9%
Other Expenditures	442,451	369,000	351,624	360,272	357,513	367,165	9,652	3%
Inter-Dept. Charges	988,048	470,254	488,999	477,791	650,818	747,071	96,253	15%
Debt Service - Principal	549,024	560,477	572,169	638,156	393,041	402,860	9,819	2%
Debt Service - Interest	71,075	59,611	131,673	146,323	838,290	829,410	(8,880)	-1%
Total	\$ 38,990,066	\$ 36,968,997	\$ 37,066,767	\$ 41,409,401	\$ 47,952,127	\$ 47,384,031	\$ (568,096)	-1.2%

Electric Budget Overview –Estimated Revenue

					*as amended	**as proposed		
ELECTRIC DEPARTMENT							\$ DIFFERENCE	% DIFFERENCE
SUMMARY:	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET *	FROM 2023 BUDGET	FROM 2023 BUDGET
ELECTRIC FUND								
Utility Contribution	52,709,702	51,600,384	53,939,898	57,699,264	63,665,500	62,187,587	(1,477,913)	-2%
Intergovernmental Revenue	-	238	23,677	-	-	-	-	0%
Other Revenue	367,018	383,035	355,766	353,959	310,500	272,281	(38,219)	-12%
Total	\$ 53,076,720	\$ 51,983,657	\$ 54,319,341	\$ 58,053,223	\$ 63,976,000	\$ 62,459,868	\$ (1,516,132)	-2.4%
Net Variance between Operating Expenditures and Revenue: \$ 14,086,654 \$ 15,014,660 \$ 17,252,574 \$ 16,643,822 \$ 16,023,873 \$ 15,075,837								
**Please note, capital expenditures are not included in the above variance.								

General Budget Overview (Changes from 2023)

Operating Budget Changes (-\$568,096: -1.2%)

- ▶ Personnel Charges (+\$25,399) – no personnel changes. New personnel offset wage growth.
- ▶ Utility Purchases (-\$912,040) – initial assumptions are electric purchases from DEMEC will be less than 2023. No rate increase included in the projections.
- ▶ Materials & Supplies (+\$400) – overall change due to price increases (offset in other line items)
- ▶ Contractual Services (+\$177,702)
 - 8120 – Outside Engineering – an increase of \$25,000 for relay settings.
 - 8260 – Line Maintenance – an increase of \$30,000 for pole inspection.
 - 8420 – Tree Removal & Maintenance – increase of \$22,433 for backyard trimming.
 - 8270 - EV Charging Station Maintenance – added \$4,000 for EV charging station maintenance.
 - 8040 – Merchant fees – increase of \$31,500
 - 8031 - Insurance premiums increase of \$29,000
 - 8312 – Fleet/Facilities Services increased \$60,000

General Budget Overview (Changes from 2023)

Operating Budget Changes (-\$568,096: -1.2%) - Continued

- ▶ Equipment Depreciation (+\$33,599) - increased due to new equipment
- ▶ Other Expenditures (+\$9,652) – increased to allow for the additional expense write-off of bad debt
 - ▶ Includes subventions to:
 - ▶ Catholic Charities (\$25,000) – assistance to Newark residents
 - ▶ Aetna Hose Hook and Ladder (\$48,400)
 - ▶ Newark Senior Center (up to \$55,000)
 - ▶ CAC (\$100,000)
- ▶ Inter-Dept. Charges (+\$96,253) – Electric's share of the City's administrative overhead
- ▶ Debt Service (+939) – increased based on Smart Meter and ESCO debt service schedules

						FUNDING SUMMARY					
						2024	2025	2026	2027	2028	Total 5 Year
New Funding:						\$ 9,883,688	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 24,356,688
*Prior Authorized Balance:						\$ 2,049,592	\$ -	\$ -	\$ -	\$ -	\$ 2,049,592
2024-2028 Funding:						\$ 11,933,280	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 26,406,280
						*Prior Authorized Balance includes 2023 carryover funding only.					
PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	2024		2024	2025	2026	2027	2028	TOTAL
				RESERVES AND OTHER FUNDING	CURRENT FUNDING						
E2401	New Lines and Services	D	\$ 170,000	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
E2402	Advanced Metering Infrastructure (AMI) Replacement	D	-	-	-	-	-	-	-	2,000,000	2,000,000
E2302	Spacer Cable Replacement	D	170,000	-	170,000	170,000	125,000	125,000	-	-	420,000
E2303	Underground Cable Replacement	D	155,000	-	300,000	300,000	-	-	-	-	300,000
E2304	Meter Replacement	D	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	500,000
E2306	Transformer #76 Purchase	D	1,206,944	-	-	-	-	-	-	-	-
E2202	Electric Warehouse	D	600,000	1,400,000	-	1,400,000	-	-	-	-	1,400,000
E2204	Vehicle #110 - 3-Wheel Wire Trailer Replacement	D	-	-	-	-	-	-	-	-	-
E2206	Secondary Cable Replacement/ Rejuvenate at Villa Belmont	D	-	-	-	-	-	-	-	-	-
E2001	City Hall - Electric Vehicle Charging Station Wiring	B	361,394	663,280	-	663,280	-	-	-	-	663,280
E2002	New Substation	B	12,000,000	8,000,000	-	8,000,000	8,000,000	-	-	-	16,000,000
E1911	35kV Line 3402 Capacity Upgrade	D	-	-	-	-	700,000	-	-	-	700,000
E1912	35kV Disconnect Switches Replacement - Kershaw Substation	D	-	-	100,000	100,000	-	-	-	-	100,000
E1805	12kV Line Extension	D	-	370,000	-	370,000	-	-	-	-	370,000
E1806	Christianstead Underground Primary Cable Addition	D	-	-	-	-	-	-	-	-	-
E1807	Relay Replacements - Kershaw Substation	D	200,000	-	250,000	250,000	100,000	-	-	-	350,000
E1808	Voltage Upgrade - North College Avenue	D	-	-	-	-	-	-	-	-	-
E1810	Lightning Arrestor Replacement	D	100,000	-	100,000	100,000	-	-	-	-	100,000
E1602	Circuit Breaker Replacement	D	-	-	-	-	-	-	-	-	-
E1502	Underground Distribution - UD Star Campus	D	120,000	150,000	-	150,000	150,000	150,000	150,000	150,000	750,000
E1203	Engineering Software	D	-	-	-	-	-	-	-	-	-
E0503	SCADA and Automatic Switching	D	250,000	-	-	-	-	-	-	-	-
EEQSF	Equipment Replacement Program	D	393,000	78,026	51,974	130,000	450,000	-	873,000	300,000	1,753,000
Total Electric Fund - Electric Department			\$ 15,826,338	\$ 10,661,306	\$ 1,271,974	\$ 11,933,280	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 26,406,280
PLANNED FINANCING SOURCES											
	GROSS CAPITAL IMPROVEMENTS		\$ 15,826,338	\$ 10,661,306	\$ 1,271,974	\$ 11,933,280	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 26,406,280
	LESS: USE OF RESERVES		(20,836)	(770,000)	-	(770,000)	-	-	-	-	(770,000)
	VEHICLE & EQUIPMENT REPLACEMENT		(180,004)	(78,026)	-	(78,026)	(372,620)	-	(420,710)	(220,644)	(1,092,000)
	GRANTS		(339,500)	(1,663,280)	-	(1,663,280)	-	-	-	-	(1,663,280)
	BOND ISSUES		-	-	-	-	-	-	-	-	-
	AMERICAN RESCUE PLAN ACT		-	-	-	-	-	-	-	-	-
	OTHER FINANCING SOURCES		(13,178,002)	(8,150,000)	-	(8,150,000)	(8,850,000)	(150,000)	(150,000)	(150,000)	(17,450,000)
	NET CAPITAL IMPROVEMENTS		\$ 2,107,996	\$ -	\$ 1,271,974	\$ 1,271,974	\$ 602,380	\$ 425,000	\$ 752,290	\$ 2,379,356	\$ 5,431,000

Electric Budget Overview – Capital Improvements

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General Budget Overview (Changes from 2023)

Capital Improvement Program Changes and Updates

- ▶ **E2204 – 3-Wheel Wire Trailer Replacement** – The project is complete and moved the available funds (\$32,583) to E1912.
- ▶ **E2206 – Secondary Cable Replacement** – The project is complete and moved the available funds (\$55,395) to E1602.
- ▶ **E2305 – Tropos Mesh Network Replacement** – The project is closed and moved available funds of \$400k to CIP E2202 and \$200k to CIP E2306.
- ▶ **E2402 – Advanced Metering Infrastructure (AMI) Replacement** – Added a new project for FY2028.
- ▶ **E2303 – Underground Cable Replacement** - \$155,000 increase in 2024 to cover the directional drilling (bore) cost.
- ▶ **E2202 – Electric Warehouse Expansion** – \$200,000 transferred from E2305.

General Budget Overview (Changes from 2023)

Capital Improvement Program Changes and Updates

- ▶ **E2001 – Electric Vehicle Charging Stations** – Grant funding is available from the Federal Highway Administration of the Department of Transportation (CFI). We have applied for \$663,280 to cover the new charging station installation at the following location:
 - Municipal Lot #3
 - Municipal Lot #4
 - George Wilson Center
 - Curtis Mill Park
 - Phillips Park
- ▶ **E1911 – 34kV Line 3402 Capacity Upgrade** – Moved to 2025 due to ongoing and upcoming CIP projects.
- ▶ **E1912 – 35kV Disconnect Switches Replacement** - \$100,000 increase in 2024 to purchase additional disconnect switches for BUS 2.
- ▶ **E1807 – Relay Replacements at Kershaw Substation** - \$50,000 increase in 2024 and \$100,000 increase in 2025 to purchase relays for BUS 1 and BUS 2.

Questions



ELECTRIC DEPARTMENT

2024 BUDGET PRESENTATION TO CITY COUNCIL

**AS PRESENTED ON:
SEPTEMBER 18th, 2023**

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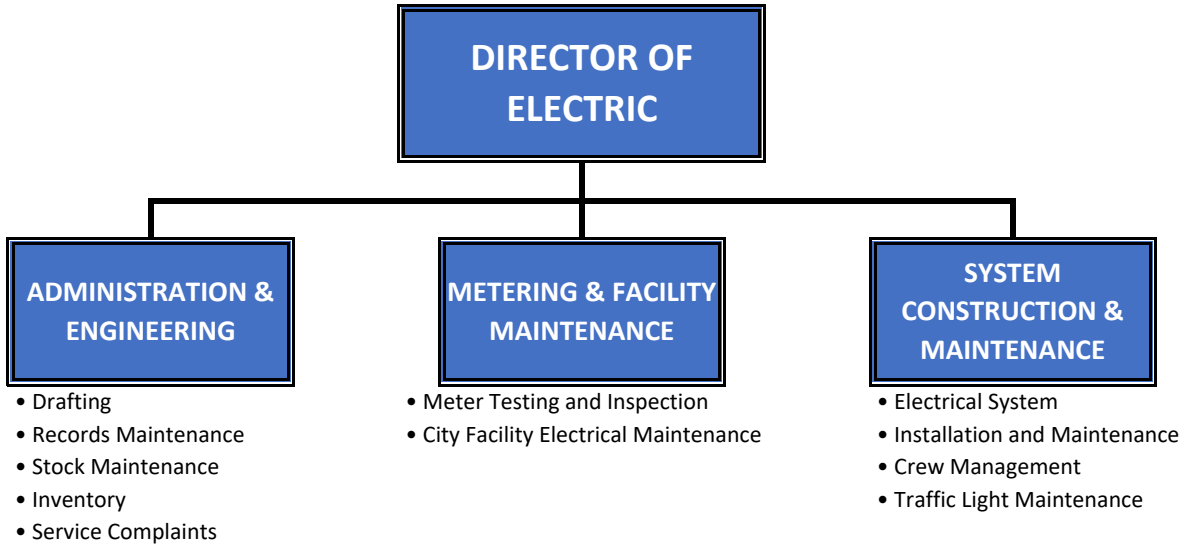
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**CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
ORGANIZATIONAL CHART**



**CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2024 DEPARTMENTAL NARRATIVE**

The City of Newark operates its own electric utility to provide electric services to 13,000 meters, supporting commercial and residential customers within city limits. Power is purchased on the wholesale power market and delivered by the City. The electric department maintains 175 miles of electric lines and coordinates its services through several programs. They include:

Meter Relay and Electrical Maintenance Program:

Responsible for installing and maintaining electrical systems in city buildings, water wells, water, and wastewater pumping stations, traffic lights and control systems, meters, and other facilities.

Electrical Line Construction and Maintenance Program:

Responsible for maintaining the City's electric lines, substation sites, substation units, circuit breakers, and transformers.

In addition to maintaining the City's electrical distribution system, new power lines, substations, and underground electric utilities are constructed and installed to expand services to new customers. Additional departmental responsibilities include maintaining and installing street lights and traffic signals, trimming trees along the electric right-of-way, and providing distribution and sub-transmission switching and sectionalizing. The electric department's staff is also responsible for plans review, drawings, and engineering analysis for construction work.

**CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2023 DEPARTMENTAL ACCOMPLISHMENTS**

Key accomplishments in 2023 include:

- The City of Newark Electric Department applied for the Reliable Public Power Provider (RP3) program in 2019 and achieved a 'Gold' RP3 designation from the American Public Power Association (APPA). This recognition is valid for three years, and we reapplied in 2022. In April 2023, the City was awarded the 'Platinum' RP3 designation, the second highest level of recognition in the program. The RP3 designation is only given to public power utilities that demonstrate proficiency in four critical areas: reliability, safety, workforce development, and system improvement. This recognition is based on several criteria, including sound business practices and a solid commitment to the safe and dependable delivery of electricity throughout the utility.
- The City of Newark Electric Department achieved Honorable Mention Place in Group C of the American Public Power Association's (APPA) 2022 Safety Award of Excellence. This recognition was well-deserved and was presented at the 2023 APPA Engineering and Operations Conference on May 2nd.

Notably, 283 utilities from across the country participated in the annual Safety Awards and were categorized based on their worker hours. The ranking was determined by their incident-free records, safety programs, and overall state of their safety culture during 2022. It's important to emphasize that a utility's incidence rate is calculated based on its work-related reportable injuries or illnesses and the number of worker hours in 2022 as defined by the Occupational Safety and Health Administration (OSHA).

- The City of Newark Electric Department has been recognized by the American Public Power Association (APPA) for its outstanding electric reliability in 2022. With a membership of over 2,000 not-for-profit, community-owned electric utilities, APPA closely monitors power outages and restoration data through its eReliability Tracker service. Once a year, APPA's Reliability Team compares this data to national statistics from the U.S. Energy Information Administration for all types of electric utilities. It's important to note that public power customers experience fewer outages than customers of other utility types, with lights out for less than half the time.
- A new 35kV circuit breaker will be installed at the Fremont Road substation, replacing the outdated 45-year-old 35kV oil circuit breaker. Additionally, we are upgrading the communication hardware at this substation to ensure it can be integrated into the new SCADA system. This project is underway and expected to be completed by the end of 2023.
- CIP E1807 – Relay replacements at Kershaw Substation - This project's scope includes replacing the existing 138/34 kV T4 transformer and 139kV circuit breaker electromechanical relays with new digital microprocessor relays at Kershaw Substation. We have completed the engineering drawings for 138/34 kV transformers T4 and T3. This is a multi-year project. All the engineering work will be completed. We will start the fieldwork in Fall/Winter 2023.

**CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2023 DEPARTMENTAL ACCOMPLISHMENTS**

Key accomplishments in 2023 include (continued):

- CIP E2002 – New Substation – University and 1743 Holding have approved our proposed easement drawings. Now, we are working with them to develop the easement and agreement documents. We are also finalizing the electric system analysis for the new interconnection and STAR Campus substation. This study will help us size each 138/34.5 kV substation transformer, 34.5/12.47 kV substation transformer, and three 34.5 kV sub-transmission overhead line conductors and underground cables.
- We have also completed the following development projects throughout the City:
 - College Square Shopping Center
 - Raising Cane's
 - First Watch
 - Starbucks
 - Green Mansion
 - Hyatt Place Hotel
 - Installed 49 electric meters for the apartment building
 - Briarcreek North – in process
 - Installed new services to 4 new townhomes
 - Fintech West Parking Lot at STAR Campus
 - The Mill at White Clay
 - Installed a new service for Building 800

**CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2024 DEPARTMENTAL GOALS**

Goals for 2024 include:

- Implementation of Outage Management System (OMS). With this application, we will be able to efficiently track outages, reduce downtime, and proactively and safely guide field crews during restoration activities. The application comes with a customer outage portal. With this portal, customers will be able to access real-time status updates detailing the estimated time of restoration, scheduled outages, and other outage-related activities.
- Install new communication devices at the following substations so they can be transferred to the New Supervisory Control and Data Acquisition (SCADA) system.
 - East Main Substation
 - West Main Substation
 - Phillips Substation
 - Kershaw Substation
- CIP - E2202 – Electric Warehouse expansion, design the warehouse expansion of building #2.
- CIP - E1807 – Start the relay replacement for Transformer T3 at Kershaw Substation.
- CIP - E1810 – Replace older lighting arrestors on the 12.47kV system.
- CIP - E2303 – Replace the old underground 12,470-volt single-phase primary cable at Devon.
- CIP - E2302 – Replace 12,470-volt aerial spacer cable. The aerial cable is a bundled type of spacer cable, which means the wires are installed close to each other. This cable has many cracks in it and has failed several times.
- CIP - E2002 – New Substation – Finalize the easements and right of ways, apply for the new interconnection point, and finalize the material list.
- CIP - E1912 – 35kV Disconnect Switches Replacement
- CIP - E2001 – Electric Vehicle Charging Station installation
 - Municipal Lot#3 – 3 dual-port EV chargers
 - Municipal Lot#4 – 3 dual-port chargers
 - George Wilson Center – 2 dual-port chargers and 4 E-bike charging ports
 - Curtis Mill Park – 2 dual-port EV chargers and 4 E-bike charging ports
 - Phillips Park – 1 dual-port EV charger and 4 E-bike charging ports.
- Installation of electric distribution lines in new developments.
 - 62 North Chapel
 - 268 East Main Street
 - Milford Run
 - 132-138 East Main Street (Danneman)
 - Home 2 Suites Hotel – 1119 South College Ave



ELECTRIC DEPARTMENT

2024 OPERATING EXPENDITURES

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

Electric Fund - Electric Department

Summary:

* as amended

** as proposed

ELECTRIC DEPARTMENT - SUMMARY	2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
<u>REVENUES</u>								
Sale of Electricity	\$ 51,944,374	\$ 50,236,347	\$ 52,290,337	\$ 56,261,323	\$ 62,705,500	\$ 61,027,587	\$ (1,677,913)	-2.7%
No. of K.W.H.'s (Thousands)	424,291	402,097	421,301	423,748	446,000	434,300	N/A	N/A
Inter-Dept. Sales	506,900	545,700	508,200	466,300	378,781	532,800	154,019	40.7%
Penalties	125,605	106,420	157,939	118,508	100,000	115,000	15,000	15.0%
Service Fees	74,543	71,260	71,922	64,475	80,000	65,000	(15,000)	-18.8%
New Services	437,110	1,086,097	1,142,795	628,962	250,000	250,000	-	0.0%
Application Fees	128,070	100,260	137,280	138,180	130,000	130,000	-	0.0%
Solar Revenues	37,286	36,004	59,363	39,567	37,000	37,000	-	0.0%
Other Revenues	105,261	95,413	228,482	620,791	473,500	635,281	161,781	34.2%
Interest Revenue	224,471	251,856	231,223	181,417	200,000	200,000	-	0.0%
Subtotal	\$ 53,583,620	\$ 52,529,357	\$ 54,827,541	\$ 58,519,523	\$ 64,354,781	\$ 62,992,668	\$ (1,362,113)	-2.1%
Less: Electricity Purchased	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
No. of K.W.H.'s (Thousands)	461,483	433,533	451,781	454,611	469,378	464,701	N/A	N/A
Gross Operating Revenue	\$ 53,583,620	\$ 52,529,357	\$ 54,827,541	\$ 58,519,523	\$ 64,354,781	\$ 62,992,668	\$ (1,362,113)	-2.1%
<u>OPERATING EXPENSES</u>								
Personnel Services	\$ 3,462,234	\$ 4,295,203	\$ 2,599,310	\$ 3,936,348	\$ 3,828,513	\$ 3,853,912	\$ 25,399	0.7%
Utility Purchases	31,549,199	29,267,161	30,929,837	33,501,433	39,217,788	38,305,748	(912,040)	-2.3%
Materials and Supplies	286,865	216,996	213,179	284,759	336,800	337,200	400	0.1%
Contractual Services	1,434,585	1,540,160	1,596,895	1,852,896	1,971,474	2,149,176	177,702	9.0%
Other Charges	1,269,135	1,179,223	1,238,547	1,356,174	1,946,734	1,990,924	44,190	2.3%
Subtotal	\$ 38,002,018	\$ 36,498,743	\$ 36,577,768	\$ 40,931,610	\$ 47,301,309	\$ 46,636,960	\$ (664,349)	-1.4%
Inter-Departmental Charges (net of Inter-Departmental Sales)	1,494,948	1,015,954	997,199	944,091	1,029,599	1,279,871	250,272	24.3%
Total Operating Expenses	\$ 39,496,966	\$ 37,514,697	\$ 37,574,967	\$ 41,875,701	\$ 48,330,908	\$ 47,916,831	\$ (414,077)	-0.9%
Net Operating Margin (Before Capital Costs)	\$ 14,086,654	\$ 15,014,660	\$ 17,252,574	\$ 16,643,822	\$ 16,023,873	\$ 15,075,837	\$ (948,036)	-5.9%

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

Electric Fund - Electric Department

Expenditures:

* as amended

** as proposed

PERSONNEL SERVICES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5195102	6020	Supervisory	\$ 219,566	\$ 241,068	\$ 241,377	\$ 253,320	\$ 272,699	\$ 288,442	\$ 15,743	5.8%
5195102	6030	Engineering/Technical	301,424	370,091	382,083	358,471	270,704	272,180	1,476	0.5%
5195102	6040	Warehousing	61,617	68,979	73,333	70,915	72,991	75,614	2,623	3.6%
5195102	6080	Clerical	65,245	71,471	71,107	72,489	73,899	76,056	2,157	2.9%
5195102	6200	Line Maintenance	912,378	1,075,543	1,295,071	1,112,139	1,327,523	1,387,701	60,178	4.5%
5195102	6580	Service Award	39,484	42,081	45,129	42,144	42,608	47,644	5,036	11.8%
5195102	6590	Sick Pay	21,183	28,599	21,461	22,732	21,871	25,000	3,129	14.3%
5195102	6619	Standby Pay	38,867	42,556	42,782	31,210	50,000	50,000	-	0.0%
5195102	6620	Overtime	237,848	303,089	200,769	236,048	236,000	247,800	11,800	5.0%
5195102	6622	Holiday Premium	2,837	727	801	1,828	800	200	(600)	-75.0%
5195102	6880	Uniform Allowance	10,600	10,400	10,450	9,950	10,800	8,400	(2,400)	-22.2%
5195102	6885	Device Reimbursement	5,900	5,775	5,800	5,750	6,000	6,000	-	0.0%
5195102	6920	Unemployment Comp. Ins.	7,118	7,264	6,780	7,744	6,801	3,024	(3,777)	-55.5%
5195102	6930	Social Security Taxes	156,768	168,403	179,709	168,769	172,965	180,349	7,384	4.3%
5195102	6940	City Pension Plan	777,382	1,284,990	(440,381)	938,919	513,323	463,874	(49,449)	-9.6%
5195102	6941	Defined Contribution 401(a) Plan	26,077	28,180	29,422	37,727	53,937	54,051	114	0.2%
5195102	6950	Term Life Insurance	8,920	8,922	8,492	7,531	8,198	8,007	(191)	-2.3%
5195102	6960	Group Hospitalization Ins.	445,550	448,894	463,537	427,859	513,951	488,232	(25,719)	-5.0%
5195102	6961	Long-Term Disability Ins.	3,882	3,987	3,228	2,276	2,500	2,764	264	10.6%
5195102	6962	Dental Insurance	24,417	23,438	23,275	21,065	24,472	21,762	(2,710)	-11.1%
5195102	6963	Flexible Spending Account	189	110	126	142	63	252	189	300.0%
5195102	6965	Post-Employment Benefits	84,405	49,643	(76,739)	93,201	126,790	126,790	-	0.0%
5195102	6966	Retirement Health Savings Account	7,304	7,760	7,769	10,480	14,860	15,080	220	1.5%
5195102	6967	Emergency Room Reimbursements	2,000	2,000	2,680	2,523	3,480	3,480	-	0.0%
5195102	6968	Vision Insurance Premiums	1,273	1,233	1,249	1,116	1,278	1,210	(68)	-5.3%
TOTAL PERSONNEL SERVICES			\$ 3,462,234	\$ 4,295,203	\$ 2,599,310	\$ 3,936,348	\$ 3,828,513	\$ 3,853,912	\$ 25,399	0.7%

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

Electric Fund - Electric Department

Expenditures:

* as amended

** as proposed

MATERIALS AND SUPPLIES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5195103	7110	Safety Shoes and Supplies	\$ 7,425	\$ 2,392	\$ 5,835	\$ 8,882	\$ 7,500	\$ 8,500	\$ 1,000	13.3%
5195103	7130	Tools, Field Sup., & Small Eq.	33,224	35,011	38,698	37,328	40,000	42,000	2,000	5.0%
5195103	7131	Information Technology Supplies	18,586	-	-	7,911	5,000	5,000	-	0.0%
5195103	7140	Uniforms	18,750	16,275	18,147	20,822	23,000	35,000	12,000	52.2%
5195103	7150	Office Supplies	3,496	1,744	2,134	5,296	2,600	3,500	900	34.6%
5195103	7160	Books, Periodicals, Etc	166	791	272	156	800	800	-	0.0%
5195103	7255	Vandalism Supplies	-	-	-	-	2,500	2,500	-	0.0%
5195103	7260	Line Maintenance	136,844	127,645	112,295	136,873	145,000	155,500	10,500	7.2%
5195103	7270	Station Maintenance	30,449	17,529	18,803	46,065	31,000	35,000	4,000	12.9%
5195103	7271	SCADA System Maintenance Supplies	-	-	-	-	12,000	12,000	-	0.0%
5195103	7300	Machinery & Equip. Maintenance	18	-	-	-	500	500	-	0.0%
5195103	7330	Meter Testing & Repairs	21	-	351	475	2,000	2,000	-	0.0%
5195103	7350	Traffic Signal Maintenance	-	-	297	-	-	-	-	0.0%
5195103	7370	Street Light Maintenance	8,041	10,986	8,231	3,977	13,000	13,000	-	0.0%
5195103	7430	House Service Maintenance	29,423	19,228	33,559	27,062	50,000	20,000	(30,000)	-60.0%
5195103	7480	Communication Equip. Maint.	5,418	-	210	-	500	500	-	0.0%
5195103	7540	Inventory Adjustment	(7,756)	(16,003)	(26,951)	(11,466)	-	-	-	0.0%
5195103	7550	Miscellaneous Supplies	2,760	1,398	1,298	1,378	1,400	1,400	-	0.0%
TOTAL MATERIALS AND SUPPLIES			\$ 286,865	\$ 216,996	\$ 213,179	\$ 284,759	\$ 336,800	\$ 337,200	\$ 400	0.1%

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

Electric Fund - Electric Department

Expenditures:

* as amended

** as proposed

CONTRACTUAL SERVICES		2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5195104	8010 Freight	\$ 722	\$ 1,650	\$ 1,216	\$ 719	\$ 950	\$ 1,000	\$ 50	5.3%
5195104	8020 Advertising	1,745	384	897	929	800	2,000	1,200	150.0%
5195104	8030 Casualty Insurance	18,613	19,926	27,660	35,048	41,081	37,175	(3,906)	-9.5%
5195104	8031 Insurance - Property	40,028	47,622	62,932	75,069	82,026	106,299	24,273	29.6%
5195104	8032 Insurance - Auto	23,740	26,171	27,152	22,006	33,120	42,049	8,929	27.0%
5195104	8033 Insurance - Broker	8,054	8,131	6,128	5,878	6,046	5,716	(330)	-5.5%
5195104	8035 Insurance - Worker's Compensation	66,080	87,195	87,421	74,010	81,200	81,200	-	0.0%
5195104	8040 Merchant Fees and Discounts	520,238	564,920	579,672	493,760	630,000	661,500	31,500	5.0%
5195104	8045 Collection Fees	-	7,118	1,770	556	3,500	3,500	-	0.0%
5195104	8050 Phone/Communications	4,605	3,364	2,737	2,317	3,000	3,000	-	0.0%
5195104	8120 Outside Engineering	35,660	22,856	2,400	139,271	85,000	110,000	25,000	29.4%
5195104	8130 Building & Equipment Rental	11,104	11,058	11,650	10,901	12,000	12,000	-	0.0%
5195104	8131 Information Technology Cont'l	156,254	228,244	220,877	229,714	254,929	233,402	(21,527)	-8.4%
5195104	8190 Refuse Disposal	3,663	2,598	2,439	2,684	3,500	5,000	1,500	42.9%
5195104	8255 Vandalism Cont'l	-	-	-	-	2,500	2,500	-	0.0%
5195104	8260 Line Maintenance	62,893	60,431	69,715	45,063	65,000	95,000	30,000	46.2%
5195104	8270 Station Maintenance	25,959	20,092	47,717	111,525	50,400	55,000	4,600	9.1%
5195104	8271 SCADA System Maintenance Cont'l	-	-	-	-	10,000	10,000	-	0.0%
5195104	8272 EV Charging Station Maintenance	-	-	-	-	-	4,000	-	100.0%
5195104	8300 Machinery & Equip. Maintenance	4,392	5,707	7,412	7,338	9,000	9,000	-	0.0%
5195104	8312 Fleet & Facilities Services	239,348	204,929	236,538	338,675	296,825	356,623	59,798	20.1%
5195104	8313 Self-Insurance Services	1,876	500	93	953	-	-	-	0.0%
5195104	8420 Tree Removal & Maintenance	202,639	214,905	197,272	251,826	279,567	302,000	22,433	8.0%
5195104	8480 Communication Equipment Maintenance	1,291	150	450	-	1,200	1,200	-	0.0%
5195104	8550 Misc. Contracted Services	4,425	45	1,520	2,771	15,000	5,000	(10,000)	-66.7%
5195104	8570 Public Relations	256	1,164	227	883	1,200	1,200	-	0.0%
5195104	8899 Facilities Mowing	1,000	1,000	1,000	1,000	3,630	3,812	182	5.0%
TOTAL CONTRACTUAL SERVICES		\$ 1,434,585	\$ 1,540,160	\$ 1,596,895	\$ 1,852,896	\$ 1,971,474	\$ 2,149,176	\$ 177,702	9.0%

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

Electric Fund - Electric Department

Expenditures: * as amended ** as proposed

OTHER CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
5195105	9001	Subvention - Utility Assistance	\$ 24,720	\$ 25,000	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	0.0%
5195105	9002	Subvention - Aetna Hook and Ladder	43,464	49,422	47,147	48,130	48,400	48,400	-	0.0%
5195105	9004	Subvention - Newark Senior Center	52,832	44,289	46,933	44,972	55,000	55,000	-	0.0%
5195105	9010	Bad Debt Expense	277,917	218,438	132,053	136,342	82,663	91,815	9,152	11.1%
5195105	9020	Mileage & Small Bus. Expense	127	-	54	8	150	150	-	0.0%
5195105	9056	Debt Serv. Prin. - Smart Meters	549,024	560,477	572,169	498,396	249,168	254,650	5,482	2.2%
5195105	9057	Debt Serv. Int. - Smart Meters	71,075	59,611	47,908	36,544	28,641	23,160	(5,481)	-19.1%
5195105	9060	Depreciation Expense	206,585	190,135	183,081	211,423	357,890	391,489	33,599	9.4%
5195105	9070	Training & Continuing Educ/Conf	10,833	8,681	4,156	6,021	22,500	23,000	500	2.2%
5195105	9091	Solar Rebate	1,442	1,707	1,364	1,258	1,800	1,800	-	0.0%
5195105	9092	Notional Solar Cost	21,723	20,778	20,998	24,529	22,000	22,000	-	0.0%
5195105	9093	Subvention Expense	5,140	685	-	-	-	-	-	0.0%
5195105	9094	Conservation Advisory Committee	4,253	-	98,919	74,012	100,000	100,000	-	0.0%
5195105	9142	Debt Serv. Int. - Electric Substation (E2002)	-	-	-	-	730,000	730,000	-	0.0%
5195105	9205	Debt Serv. Prin. - (ESCO)	-	-	-	139,760	143,873	148,210	4,337	3.0%
5195105	9206	Debt Serv. Int. - (ESCO)	-	-	83,765	109,779	79,649	76,250	(3,399)	-4.3%
TOTAL OTHER CHARGES			\$ 1,269,135	\$ 1,179,223	\$ 1,238,547	\$ 1,356,174	\$ 1,946,734	\$ 1,990,924	\$ 44,190	2.3%

INTER-DEPT. CHARGES			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
		Administrative Overhead	\$ 1,151,962	\$ 739,789	\$ 663,242	\$ 635,502	\$ 736,062	\$ 767,788	\$ 31,726	4.3%
		Billings and Accounting	391,988	348,530	345,908	320,398	416,649	425,916	9,267	2.2%
		Electricity	(363,400)	(377,385)	(326,313)	(311,719)	(378,781)	(356,237)	22,544	-6.0%
		Information Technology	58,119	67,051	80,829	83,836	174,352	181,436	7,084	4.1%
		Other Indirect Charges	(55,541)	(92,785)	(32,171)	(39,809)	(32,180)	(39,809)	(7,629)	23.7%
		Printing and Reproduction	116	76	95	74	130	143	13	10.0%
		Street Lights and Traffic Signals	(166,221)	(177,083)	(212,877)	(184,877)	(239,180)	(204,177)	35,003	-14.6%
		Warehousing	(28,975)	(37,939)	(29,714)	(25,614)	(26,234)	(27,989)	(1,755)	6.7%
TOTAL INTER-DEPT. CHARGES			\$ 988,048	\$ 470,254	\$ 488,999	\$ 477,791	\$ 650,818	\$ 747,071	\$ 96,253	14.8%

OPERATING EXPENSES - ELECTRIC DEPARTMENT			2019 ACTUAL	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 BUDGET *	2024 BUDGET **	\$ DIFFERENCE FROM 2023-24	% DIFFERENCE FROM 2023-24
TOTAL OPERATING EXPENSES			\$ 7,440,867	\$ 7,701,836	\$ 6,136,930	\$ 7,907,968	\$ 8,734,339	\$ 9,078,283	\$ 343,944	3.9%



ELECTRIC DEPARTMENT

2024-2028 CAPITAL IMPROVEMENT PROGRAM

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

ELECTRIC FUND - ELECTRIC DEPARTMENT

FUNDING SUMMARY

New Funding:
*Prior Authorized Balance:
2024-2028 Funding:

2024	2025	2026	2027	2028	Total 5 Year
\$ 9,883,688	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 24,356,688
\$ 2,049,592	\$ -	\$ -	\$ -	\$ -	\$ 2,049,592
\$ 11,933,280	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 26,406,280

*Prior Authorized Balance includes 2023 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2023 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2024	2025	2026	2027	2028	TOTAL
E2401	New Lines and Services	D	\$ 170,000	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
E2402	Advanced Metering Infrastructure (AMI) Replacement	D	-	-	-	-	-	-	-	2,000,000	2,000,000
E2302	Spacer Cable Replacement	D	170,000	-	170,000	170,000	125,000	125,000	-	-	420,000
E2303	Underground Cable Replacement	D	155,000	-	300,000	300,000	-	-	-	-	300,000
E2304	Meter Replacement	D	100,000	-	100,000	100,000	100,000	100,000	100,000	100,000	500,000
E2306	Transformer #76 Purchase	D	1,206,944	-	-	-	-	-	-	-	-
E2202	Electric Warehouse	D	600,000	1,400,000	-	1,400,000	-	-	-	-	1,400,000
E2204	Vehicle #110 - 3-Wheel Wire Trailer Replacement	D	-	-	-	-	-	-	-	-	-
E2206	Secondary Cable Replacement/ Rejuvenate at Villa Belmont	D	-	-	-	-	-	-	-	-	-
E2001	City Hall - Electric Vehicle Charging Station Wiring	B	361,394	663,280	-	663,280	-	-	-	-	663,280
E2002	New Substation	B	12,000,000	8,000,000	-	8,000,000	8,000,000	-	-	-	16,000,000
E1911	35kV Line 3402 Capacity Upgrade	D	-	-	-	-	700,000	-	-	-	700,000
E1912	35kV Disconnect Switches Replacement - Kershaw Substation	D	-	-	100,000	100,000	-	-	-	-	100,000
E1805	12kV Line Extension	D	-	370,000	-	370,000	-	-	-	-	370,000
E1806	Christianstead Underground Primary Cable Addition	D	-	-	-	-	-	-	-	-	-
E1807	Relay Replacements - Kershaw Substation	D	200,000	-	250,000	250,000	100,000	-	-	-	350,000
E1808	Voltage Upgrade - North College Avenue	D	-	-	-	-	-	-	-	-	-
E1810	Lightning Arrestor Replacement	D	100,000	-	100,000	100,000	-	-	-	-	100,000
E1602	Circuit Breaker Replacement	D	-	-	-	-	-	-	-	-	-
E1502	Underground Distribution - UD Star Campus	D	120,000	150,000	-	150,000	150,000	150,000	150,000	150,000	750,000
E1203	Engineering Software	D	-	-	-	-	-	-	-	-	-
E0503	SCADA and Automatic Switching	D	250,000	-	-	-	-	-	-	-	-
EEQSF	Equipment Replacement Program	D	393,000	78,026	51,974	130,000	450,000	-	873,000	300,000	1,753,000
Total Electric Fund - Electric Department			\$ 15,826,338	\$ 10,661,306	\$ 1,271,974	\$ 11,933,280	\$ 9,825,000	\$ 575,000	\$ 1,323,000	\$ 2,750,000	\$ 26,406,280

PLANNED FINANCING SOURCES																		
GROSS CAPITAL IMPROVEMENTS	\$	15,826,338	\$	10,661,306	\$	1,271,974	\$	11,933,280	\$	9,825,000	\$	575,000	\$	1,323,000	\$	2,750,000	\$	26,406,280
LESS: USE OF RESERVES		(20,836)		(770,000)		-		(770,000)		-		-		-		-		(770,000)
VEHICLE & EQUIPMENT REPLACEMENT		(180,004)		(78,026)		-		(78,026)		(372,620)		-		(420,710)		(220,644)		(1,092,000)
GRANTS		(339,500)		(1,663,280)		-		(1,663,280)		-		-		-		-		(1,663,280)
BOND ISSUES		-		-		-		-		-		-		-		-		-
AMERICAN RESCUE PLAN ACT		-		-		-		-		-		-		-		-		-
OTHER FINANCING SOURCES		(13,178,002)		(8,150,000)		-		(8,150,000)		(8,850,000)		(150,000)		(150,000)		(150,000)		(17,450,000)
NET CAPITAL IMPROVEMENTS	\$	2,107,996	\$	-	\$	1,271,974	\$	1,271,974	\$	602,380	\$	425,000	\$	752,290	\$	2,379,356	\$	5,431,000

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



PROJECT NO: E2401
PROJECT TITLE: New Lines and Services
PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Various locations in the City
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):	30
Est. Total Cost:	\$ 1,170,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 170,000
% Complete (if underway):	14.5%
Balance to be funded ¹ :	\$ 1,000,000

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 136,750
Materials:	5195106.9760	\$ 529,900
Other Contracts:	5195106.9960	\$ 333,350
TOTAL PROJECT COST		\$ 1,000,000

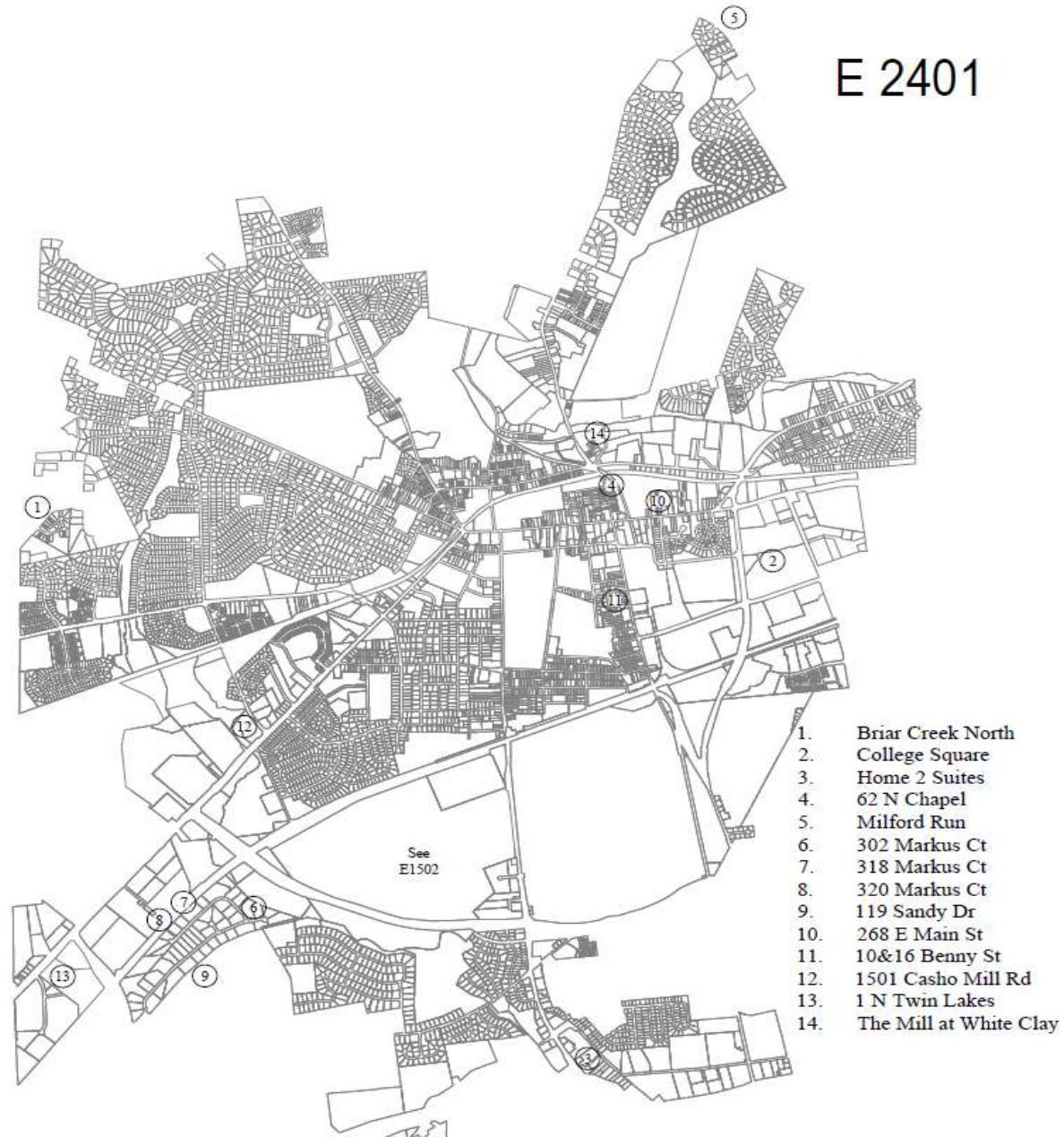
² Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Installation of electric distribution lines in new developments. This includes both overhead and underground primary and secondary service lines. This project is required based on the obligation to serve new customers in the City.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	170,000	-	170,000	\$ -	200,000	200,000	200,000	200,000	200,000	\$ 1,000,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 170,000	\$ -	\$ 170,000	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

E2401: New Lines and Services
Supporting Documentation - Page 1

E 2401



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PROJECT NO: E2402
PROJECT TITLE: Advanced Metering Infrastructure (AMI) Replacement
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL

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

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2024
Est. Completion Date:	2029
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 2,000,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 2,000,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5195106.9960	\$ 2,000,000
TOTAL PROJECT COST		\$ 2,000,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The Advanced Metering Infrastructure (AMI) Implementation aims to revolutionize monitoring, measuring, and managing utility consumption. The project involves the installation of smart meters and associated communication infrastructure to replace conventional meters, providing utilities and consumers with real-time data on energy and water consumption. The AMI project enhances operational efficiency, reduces costs, and gives customers accurate usage information for better energy management.

Our existing AMI system is almost ten years old, and the smart meters installed during the AMI implications have a life expectancy of 10 years. This project will either replace or upgrade our existing AMI system.

PROJECT FINANCING BY PLAN YEAR

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



PROJECT NO: E2302
PROJECT TITLE: Spacer Cable Replacement
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 170,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ 420,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 170,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ 420,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Along Barksdale Road from Apple Road to
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2026
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 590,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 170,000
% Complete (if underway):	28.8%
Balance to be funded ¹ :	\$ 420,000

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

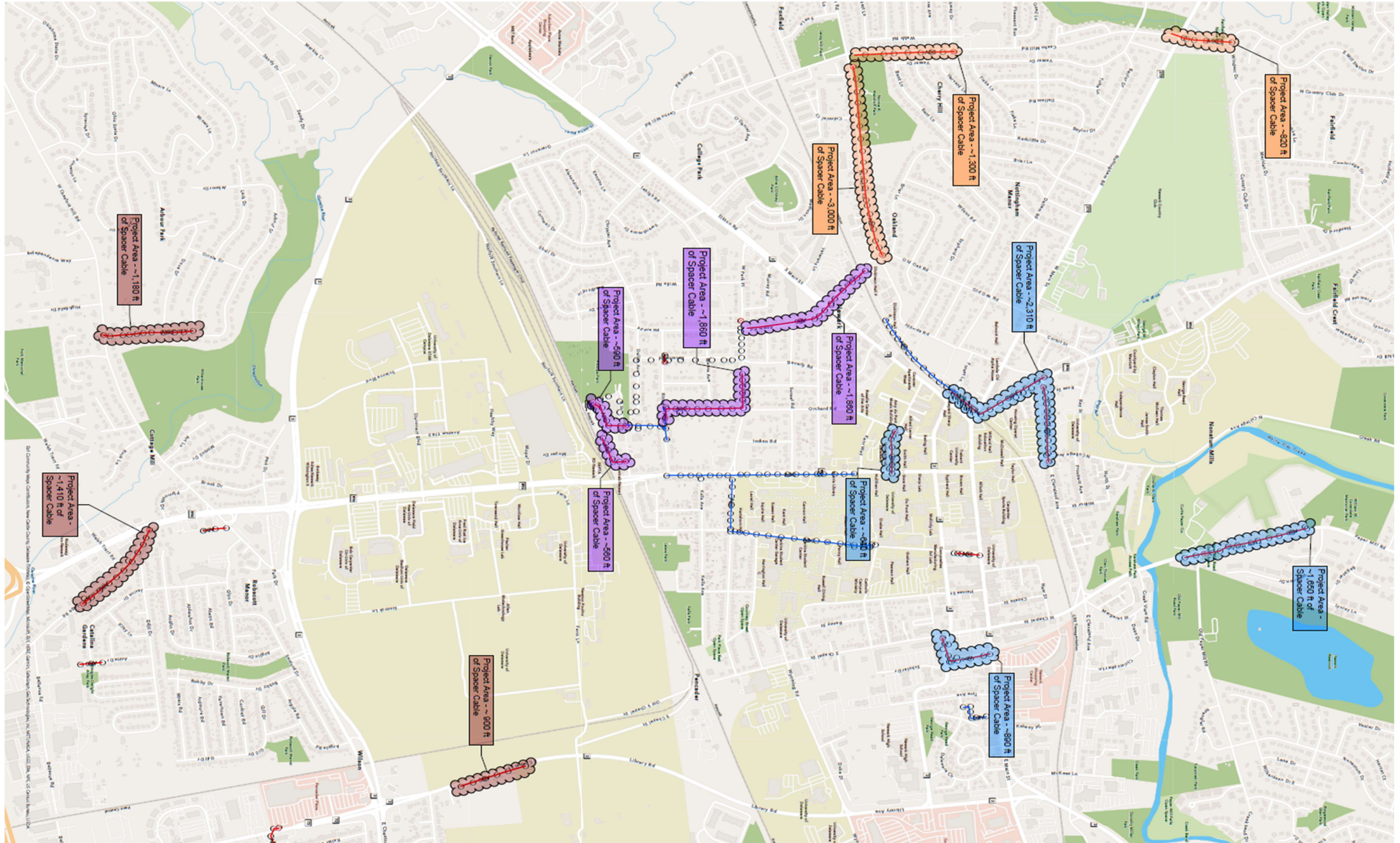
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 226,000
Materials:	5195106.9760	\$ 194,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 420,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
This project will replace the 12,470-volt spacer cable in our distribution system at various locations. The aerial cable is a bundled type of spacer cable which means the wires are installed close to each other. This cable has many cracks in it and has failed several times. It is proposed to replace the existing spacer cable with flat crossarm construction. The attached supporting document shows the location of the existing aerial spacer cable.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	170,000	11,046	158,954	\$ -	170,000	125,000	125,000	-	-	\$ 420,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 170,000	\$ 11,046	\$ 158,954	\$ -	\$ 170,000	\$ 125,000	\$ 125,000	\$ -	\$ -	\$ 420,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

E2302: Spacer Cable Replacement
Supporting Documentation - Page 1
(Below map is horizontal for sizing and spacing purposes)





PROJECT NO: E2303
PROJECT TITLE: Underground Cable Replacement
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2024
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 455,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 155,000
% Complete (if underway):	34.1%
Balance to be funded ¹ :	\$ 300,000

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 30,000
Materials:	5195106.9760	\$ 50,000
Other Contracts:	5195106.9960	\$ 220,000
TOTAL PROJECT COST		\$ 300,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project will replace old underground 12,470 volt single phase primary cable at Devon. The underground cable at this development is very old and has many splices. It has failed several times. It is proposed to replace the existing underground cable with new a new cable.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	155,000	-	155,000	\$ -	300,000	-	-	-	-	\$ 300,000
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 155,000	\$ -	\$ 155,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

E2303: Underground Cable Replacement Supporting Documentation - Page 1





PROJECT NO: E2304
PROJECT TITLE: Meter Replacement
PROJECT STATUS: New Project

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL

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

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2023
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	10
Est. Total Cost:	\$ 600,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 100,000
% Complete (if underway):	16.7%
Balance to be funded ¹ :	\$ 500,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 36,000
Materials:	5195106.9760	\$ 464,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 500,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The City's electric meters will begin reaching the end of their useful lives over the next 6 years. At the moment, about two-thirds of the City's electric meters do not have remote disconnect technology. As we begin replacing older meters, new meters will have the ability to be activated remotely, which will increase the efficiency of City staff.

PROJECT FINANCING BY PLAN YEAR

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



PROJECT NO: E2306
PROJECT TITLE: Transformer #76 Purchase
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	West Main Substation on Thompson Ln.
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Not Applicable

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2023
Est. Completion Date:	2023
Est. Useful Life (in years):	40
Est. Total Cost:	\$ 1,202,091
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 1,202,091
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 5,000
Materials:	5195106.9760	\$ 5,000
Other Contracts:	5195106.9960	\$ 1,192,091
TOTAL PROJECT COST		\$ 1,202,091

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Per Item 8-C from the Council Meeting on 5/8/2023: - Transformer #76 purchase \$1,006,944, insurance to pay \$837,265. \$200,000 from Rate Stabilization Reserve.	
BUDGET AMENDMENT (23): Please be advised that Council approved Budget Amendment, item 8-C on 5/8/2023 to add a new capital project to purchase Transformer #76 in 2023. 2023 Other funding increased due to \$169,679 (Rate Stabilization Reserve) + \$837,265 (Insurance Settlement).	
E2305 – Project Closed – Moved the available funds of \$400k to CIP E2202 and \$200k to CIP E2306.	
E1105 – Moved the available (\$17,862) project balance to E2306.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	200,000	-	200,000	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	17,862	-	17,862	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER Rate Stab. Reserve & Ins. Settlement	984,229	-	984,229	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,202,091	\$ -	\$ 1,202,091	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



PROJECT NO: E2202
PROJECT TITLE: Electric Warehouse
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000
2024-2028 Funding:	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Field Operations Complex
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Not Applicable

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2022
Est. Completion Date:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 1,600,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 200,000
% Complete (if underway):	12.5%
Balance to be funded ¹ :	\$ 1,400,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5195106.9960	\$ 1,400,000
TOTAL PROJECT COST		\$ 1,400,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The existing Building #2 is running out of space. The lack of storage space is leading to an unorganized, overcrowded situation. Due to the limited space inside the building, we have to keep the expensive pad mounted switches, transformers and wires outside. Keeping these expensive equipment outside in extreme weather conditions can cause damage to the equipment. This CIP project will allow us to expand the existing warehouse. This will be a two phase project.

Phase 1: Design Services for Construction of Building #2 Expansion (2023) - Estimate \$200,000

Phase 2: Construction of Building #2 Expansion on (2024) - \$1,200,000

Bond Bill/Community Reinvestment Fund (CRF) Funding: \$1,000,000

***PLEASE NOTE THAT THE ADDITIONAL FUNDING REQUIRED FOR THIS PROJECT WILL BE REEVALUATED AS PART OF THE 2024 BUDGET PROCESS; ADDITIONAL CONSTRUCTION COSTS MAY CHANGE BASED ON PREVAILING WAGE REQUIREMENTS AND REMAINING FUNDING NEEDED.**

E2305 – Project Closed – move the available funds of \$400k to CIP E2202 and \$200k to CIP E2306.

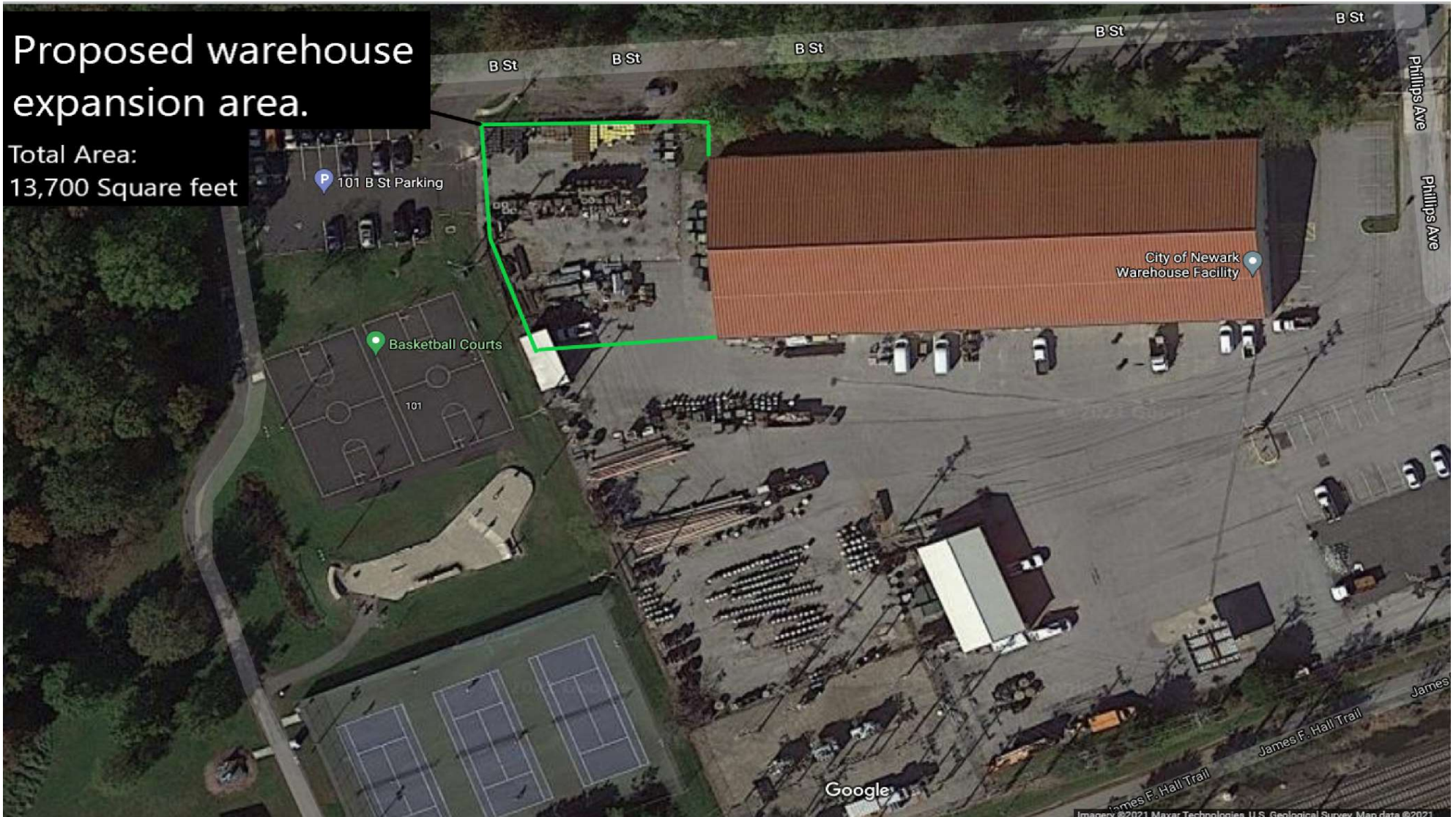
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	600,000	-	200,000	\$ 400,000	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	400,000	-	-	-	-	\$ 400,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS Bond Bill/CRF	1,000,000	-	-	\$ 1,000,000	1,000,000	-	-	-	-	\$ 1,000,000
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 1,600,000	\$ -	\$ 200,000	\$ 1,400,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	\$ 1,400,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

E2202: Electric Warehouse
Supporting Documentation - Page 1

Proposed warehouse
expansion area.

Total Area:
13,700 Square feet





PROJECT NO: E2204
PROJECT TITLE: Vehicle #110 - 3-Wheel Wire Trailer
Replacement
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2022
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 97,417
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 97,417
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
The City's Electric Department has a 1984 wire trailer. The trailer was built in-house and is used to carry wire/cable reels during the wire/cable installation. This trailer has reached the end of its life cycle. The steel frame is rusted and broken, and it has become a safety issue.	
E2204 – Project Closed – move available funds (\$32,583) to E1912.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	97,417	-	97,417	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 97,417	\$ -	\$ 97,417	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

**E2204: Vehicle #110 - 3-Wheel Wire Trailer Replacement
Supporting Documentation - Page 1 of 3**



E2204: Vehicle #110 - 3-Wheel Wire Trailer Replacement
Supporting Documentation - Page 2 of 3



E2204: Vehicle #110 - 3-Wheel Wire Trailer Replacement
Supporting Documentation - Page 3 of 3



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PROJECT NO: E2206
PROJECT TITLE: Secondary Cable Replacement/
 Rejuvenate at Villa Belmont
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Villa Belmont Condominiums
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Not Applicable

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2022
Est. Completion Date:	2022
Est. Useful Life (in years):	45
Est. Total Cost:	\$ 125,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 11,312
% Complete (if underway):	9.0%
Balance to be funded ¹ :	\$ 113,688

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

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

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

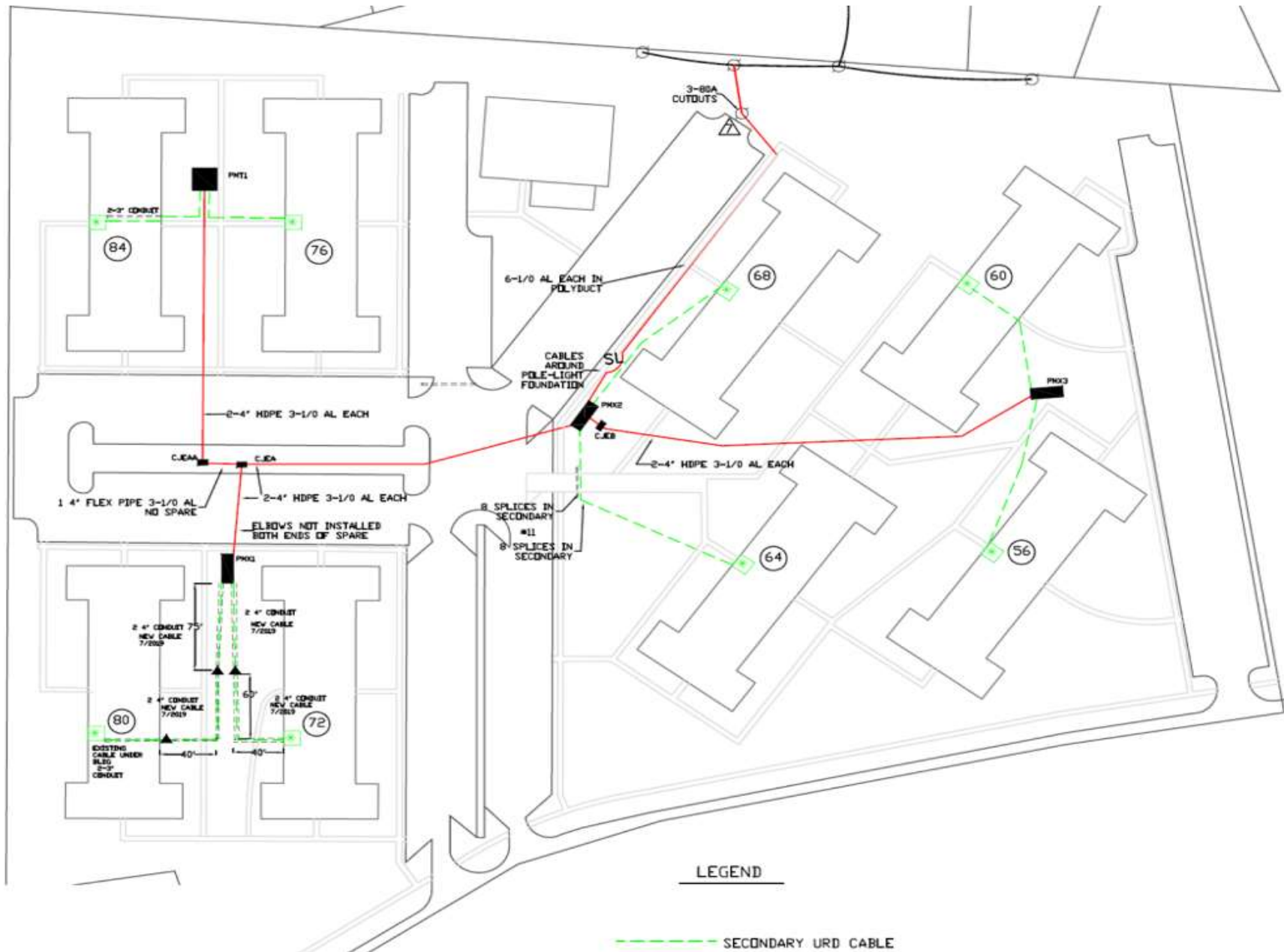
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Villa Belmont was built in 1968. The City owns the underground wiring to the transformers and the buildings. Over the years, a lot of the wiring has failed and been repaired with new pieces and splices. There is proven technology that uses a gel injected into old cables that rejuvenates them to a like new state. This project would take as many of the old cables as possible and restore them to avoid the repeated electrical outages. Some of the cables are directly buried under the slabs and foundations of the buildings which would make them problematic to fix. The only alternative to the injection technology is to open cut and/or bore in cables, which would be inconvenient to the residents and would be just as costly. E2206 – Project Closed – move available funds (\$55,395) to E1602.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	11,312	-	11,312	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 11,312	\$ -	\$ 11,312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

E2206: Secondary Cable Replacement/ Rejuvenate at Villa Belmont
Supporting Documentation - Page 1 of 2



E2206: Secondary Cable Replacement/ Rejuvenate at Villa Belmont
Supporting Documentation - Page 2 of 2





PROJECT NO: E2001
PROJECT TITLE: City Hall - Electric Vehicle Charging Station Wiring
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 383,688	\$ -	\$ -	\$ -	\$ -	\$ 383,688
*Prior Authorized Balance:	\$ 279,592	\$ -	\$ -	\$ -	\$ -	\$ 279,592
2024-2028 Funding:	\$ 663,280	\$ -	\$ -	\$ -	\$ -	\$ 663,280

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	City Municipal Building
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2020
Est. Completion Date:	2024
Est. Useful Life (in years):	7
Est. Total Cost:	\$ 775,199
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 111,919
% Complete (if underway):	14.4%
Balance to be funded ¹ :	\$ 663,280

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	6006016.9621	\$ 217,930
Materials:	6006016.9621	\$ 445,350
Other Contracts:	6006016.9621	\$ -
TOTAL PROJECT COST		\$ 663,280

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Significant grant funding is available from the Federal Highway Administration of the Department of Transportation (CFI). The City of Newark is a prime candidate for its "Community" program, which focuses on providing funding for public EV charging and other alternative fueling infrastructure for citizens at the local governmental level. If need and readiness are demonstrated, the grant will most likely be rewarded and offers a minimum of \$500,000 and a max of \$15 million. It also focuses heavily on equity, and Newark North of East Main between 896 and N Chapel is a disadvantaged community in which two public parking locations are proposed for EV charging. In addition, the area coverage and more residential coverage through the community center and parks provide a thorough vision of public EV charging infrastructure.

Project locations and proposed projects:

1. Municipal Lot #3 – 3 dual-port EV chargers
2. Municipal Lot #4 – 3 dual-port EV chargers
3. George Wilson Center – 2 dual-port EV chargers and 4 E-bike charging ports
4. Curtis Mill Park – 2 dual-port EV chargers and 4 E-bike charging ports
5. Phillips Park – 1 dual-port EV chargers and 4 E-bike charging ports

***Please be advised this project, E2001 - City Hall - Electric Vehicle Charging Station Wiring, was previously listed under Facilities Maintenance Division as project N2001. This project was transferred and renamed to align with the updated Department.**

Budget Amendment (9):

Please be advised that Council approved Budget Amendment, item 6-B on 2/13/2023 to reallocate Energize DE Grant. Energize DE Grant reduced from \$500,000 to \$470,000 overall. For 2023, the following projects were impacted: E2001 (-\$272,500), CEQSF (+\$75,000), KEQSF (+\$116,500) and EEQSF (+\$50,000).

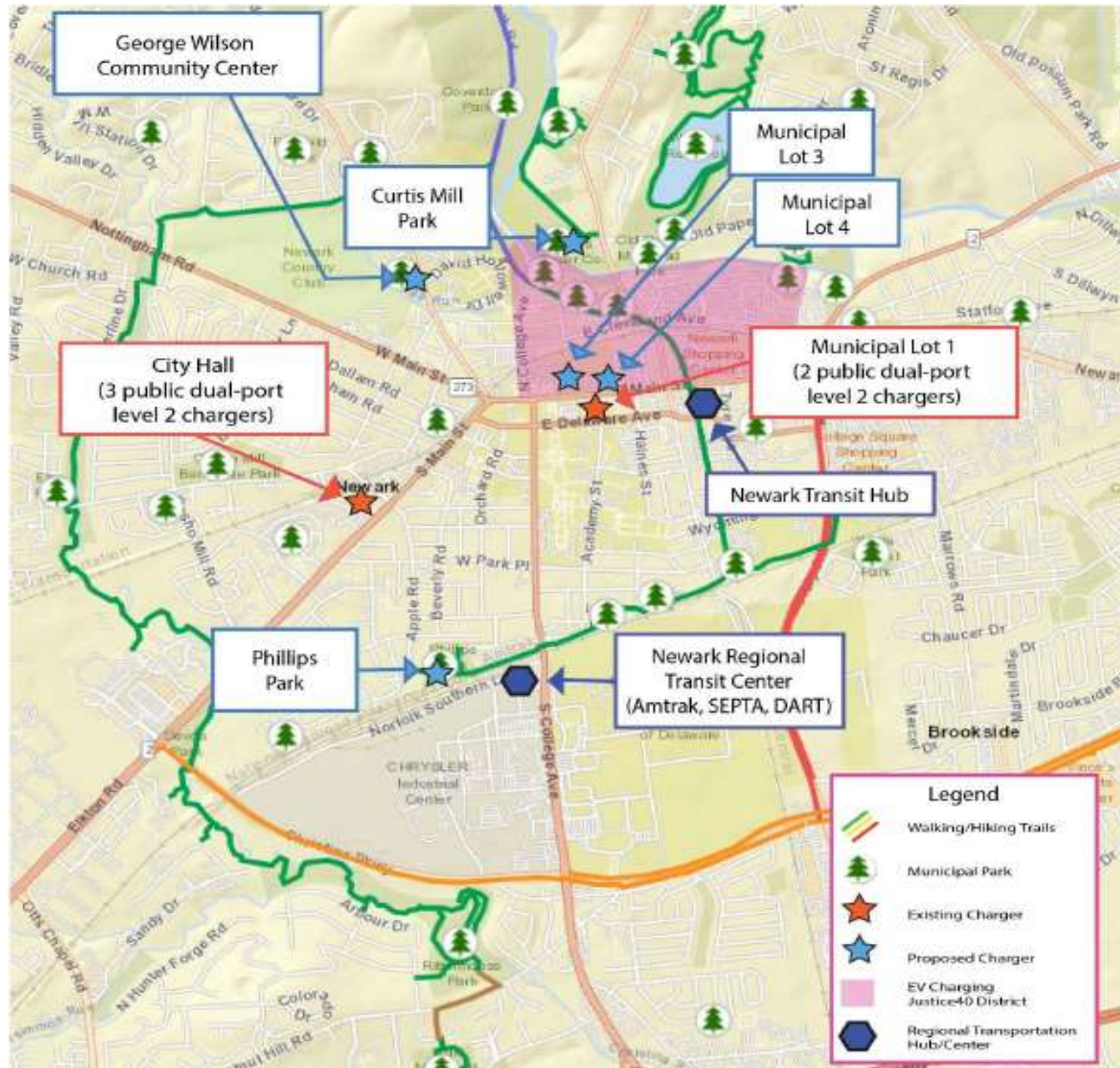
Budget Amendment (19):

Please be advised that Council approved Budget Amendment, item 3-E on 4/24/2023 to add \$20,000 in 2023 Grant funding from Energize Delaware for ADA compliant parking at charging stations.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	20,836	20,836	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS DESEU Grants 2023/CFI	289,500	-	9,908	\$ 279,592	663,280	-	-	-	-	\$ 663,280
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER Green Energy Fund	51,058	48,209	2,849	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 361,394	\$ 69,045	\$ 12,757	\$ 279,592	\$ 663,280	\$ -	\$ -	\$ -	\$ -	\$ 663,280
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

E2001: City Electric Vehicle Charging Station Installation
Supporting Documentation - Page 1





PROJECT NO: E2002
PROJECT TITLE: New Substation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 8,000,000	\$ 8,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 8,000,000	\$ 8,000,000	\$ -	\$ -	\$ -	\$ 16,000,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Transfer Station on Old S. Chapel St.
PROJECT PRIORITY:	2 - High Priority Level
	Critical need to remediate failing service, prevent failure, or generate savings
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2020
Est. Completion Date:	2024
Est. Useful Life (in years):	50
Est. Total Cost:	\$ 28,415,200
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 12,415,200
% Complete (if underway):	43.7%
Balance to be funded ¹ :	\$ 16,000,000

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		
Materials:		
Other Contracts:	5195106.9730	\$ 16,000,000
TOTAL PROJECT COST		\$ 16,000,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The City Electric Department recently completed an electric system analysis of the distribution system to determine its current electric system strengths and weaknesses. The City utilized Sargent & Lundy's (S&L) services to perform this analysis. Based on S&L analysis, we do not have enough capacity to serve any new large loads. Based on our 2018 peak load, we have about 6 MVA capacity left when a single 100 MVA transformer feeds the distribution system. Considering projected 2030 future system loading plus EV adoption, We have a 37.5% loading margin that remains when two of the three 100 MVA-rated Kershaw station transformers, T3, T4, and T5, supply the entire distribution system. If a single transformer (T3) feeds the entire distribution system, there is an overload of approximately 25.3%. As T4 and T5 are fed from the same 138 kV DPL ring bus section, the potential for a single transformer feeding the distribution system is possible. Based on this, S&L recommends that the City consider constructing an additional 138/34.5kV/12.47kV station before 2026 to provide extra margin and to increase system reliability, especially considering the planned expansion of STAR Campus, as well as the increased adoption of EVs. Early this year, we completed the feasibility study for this project. As part of this study, we developed the general substation arrangement plans and project schedule. Again we utilized Sargent & Lundy's (S&L) services to perform this study.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	415,200	-	415,200	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER DEMEC	12,000,000	-	12,000,000	\$ -	8,000,000	8,000,000	-	-	-	\$ 16,000,000
TOTAL:	\$ 12,415,200	\$ -	\$ 12,415,200	\$ -	\$ 8,000,000	\$ 8,000,000	\$ -	\$ -	\$ -	\$ 16,000,000
§ 806.1(4) ESTIMATED ANNUAL COST OF					OPERATING IMPACT:					
OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

E2002: New Substation
Supporting Documentation - Page 1





PROJECT NO: E1911
PROJECT TITLE: 35kV Line 3402 Capacity Upgrade
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ 700,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ 700,000

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2019
Est. Completion Date:	2025
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 700,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 700,000

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

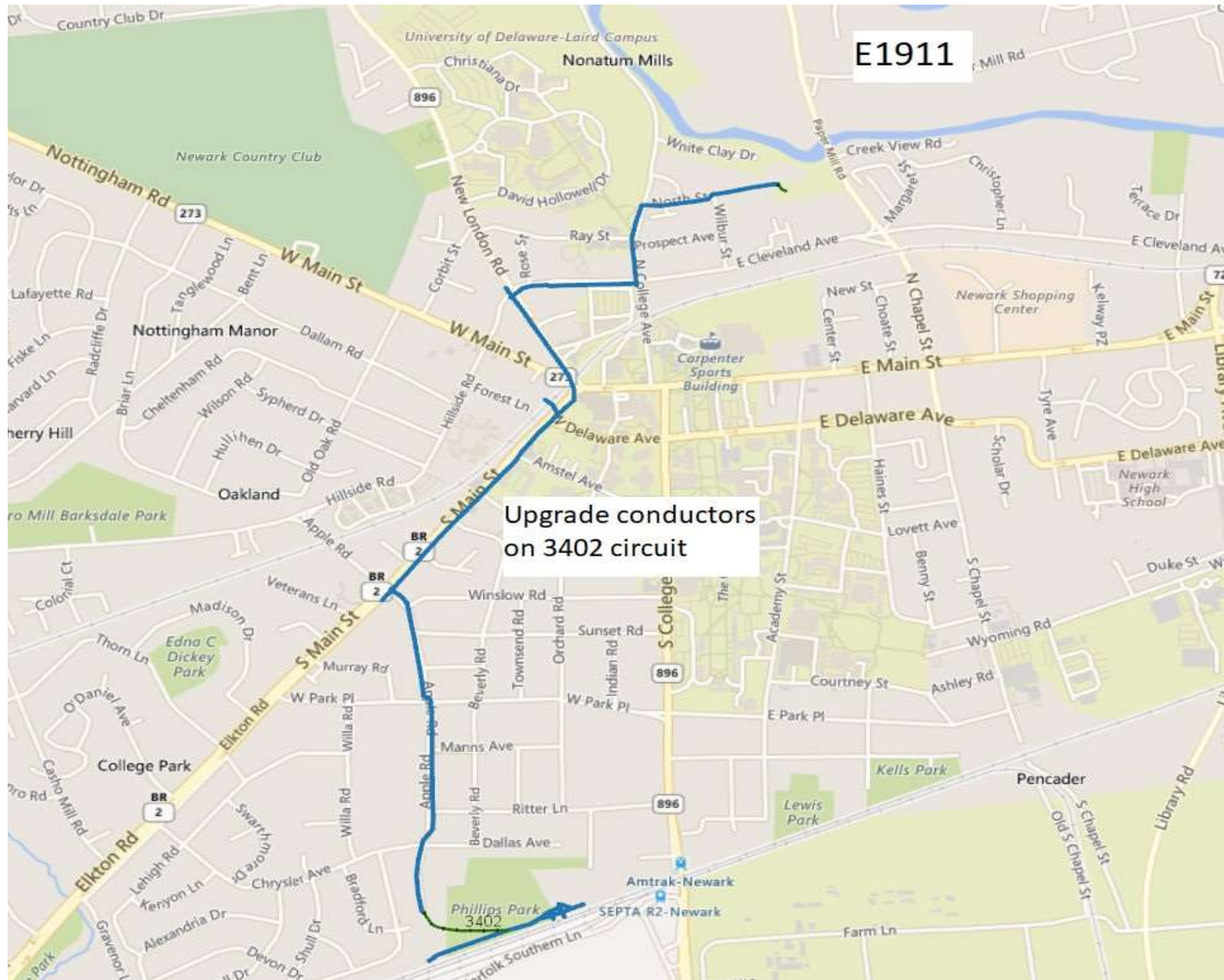
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 300,000
Materials:	5195106.9760	\$ 400,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 700,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This project will upgrade the 34,000 volt aerial and underground cable to increase capacity and reliable back-up capacity to the Phillips Substation, Chestnut Hill Substation, Sandy Brae Substation and West Main Substation. This upgrade will also allow the City to tie this feeder to the new substation in the future if needed.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER DEMEC	-	-	-	\$ -	-	700,000	-	-	-	\$ 700,000
TOTAL:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 700,000	\$ -	\$ -	\$ -	\$ 700,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

E1911: 35kV Line 3402 Capacity Upgrade Supporting Documentation - Page 1



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PROJECT NO: E1912
PROJECT TITLE: 35kV Disconnect Switches
 Replacement - Kershaw Substation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Kershaw Substation
PROJECT PRIORITY:	3 - Medium-High
The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2019
Est. Completion Date:	2024
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 192,583
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 92,583
% Complete (if underway):	48.1%
Balance to be funded ¹ :	\$ 100,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 30,000
Materials:	5195106.9760	\$ 70,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 100,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will replace 40 year old 35kV disconnect switches at Kershaw Substation.

E2204 – Project Closed – move available funds (\$32,583) to E1912.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	100,000	-	-	-	-	\$ 100,000
CAPITAL RESERVES	83,858	-	83,858	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 83,858	\$ -	\$ 83,858	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: E1805
PROJECT TITLE: 12kV Line Extension
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Prior Authorized Balance:	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000
2024-2028 Funding:	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2018
Est. Completion Date:	2024
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 370,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ -
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 370,000

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

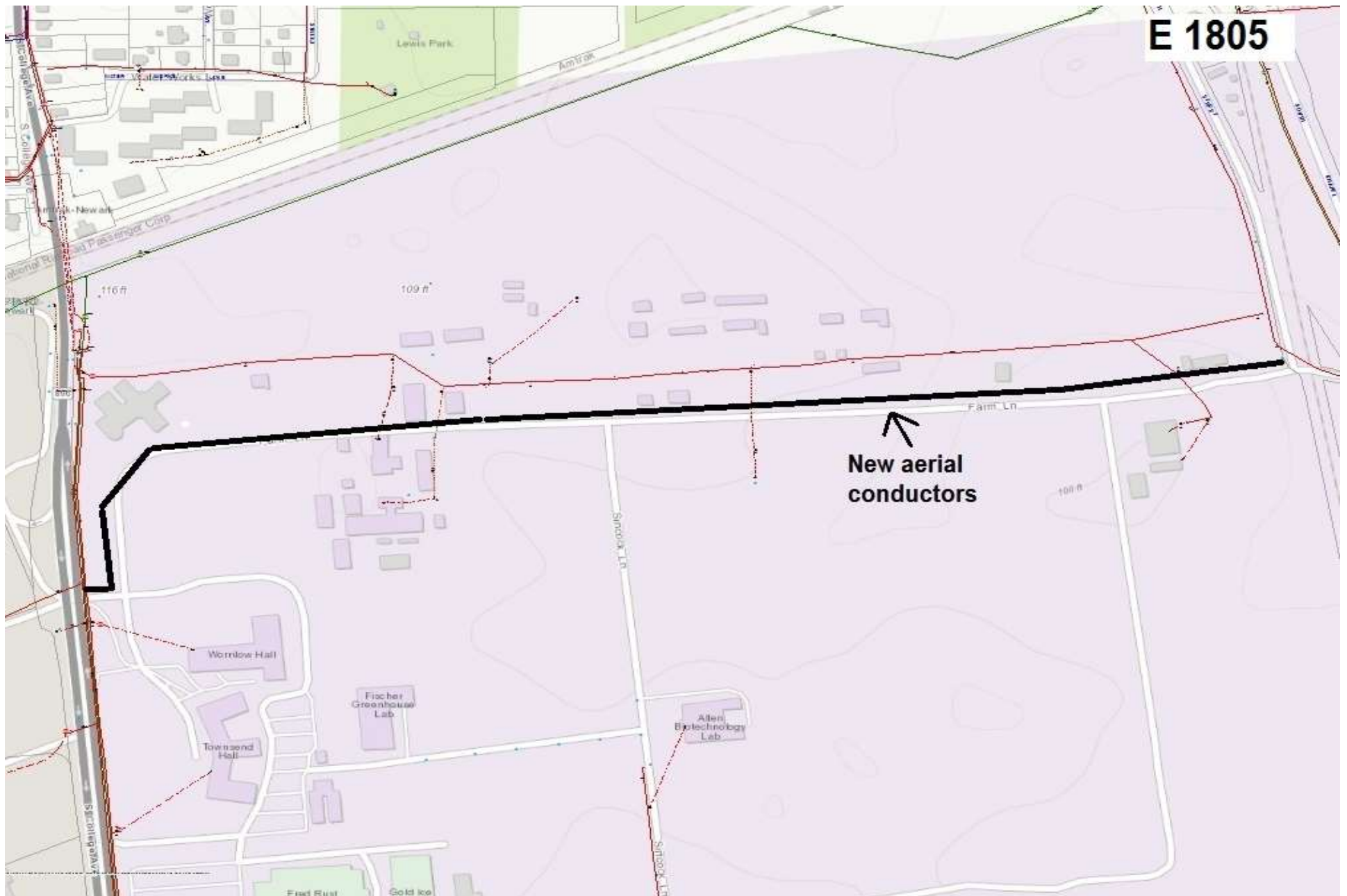
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 160,000
Materials:	5195106.9760	\$ 160,000
Other Contracts:	5195106.9960	\$ 50,000
TOTAL PROJECT COST		\$ 370,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
A new 12kV, 470 volt circuit will be constructed from Old South Chapel Street to South College Avenue through the University of Delaware Farm. This project will increase the capacity and reliable back-up capacity to the Star Campus, the University of Delaware South Campus and City customers on South College Avenue. This project is based on approval from the University of Delaware.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	370,000	-	-	\$ 370,000	370,000	-	-	-	-	\$ 370,000
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 370,000	\$ -	\$ -	\$ 370,000	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -

E1805: 12kV Line Extension
Supporting Documentation - Page 1





PROJECT NO: E1806
PROJECT TITLE: Christianstead Underground Primary Cable Addition
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2018
Est. Completion Date:	2023
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 60,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 60,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
An additional underground high voltage cable is needed in Christianstead to balance load during emergency conditions when an existing high voltage cable fails. When we experience a cable failure, the remaining cable can not be fused properly to coordinate with upstream fuses.	

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

E1806: Christianstead Underground Primary Cable Addition
Supporting Documentation - Page 1





PROJECT NO: E1807
PROJECT TITLE: Relay Replacements - Kershaw Substation
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Kershaw Substation
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:	2018
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 652,630
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 302,630
% Complete (if underway):	46.4%
Balance to be funded ¹ :	\$ 350,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9830	\$ 9,800
Materials:	5195106.9730	\$ 206,275
Other Contracts:	5195106.9960	\$ 133,925
TOTAL PROJECT COST		\$ 350,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will replace electro mechanical relays on circuit breakers 7, 8 and 9 at Kershaw Substation and connect them to the SCADA system. This will allow the City to see breaker status and also have remote control.

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	200,000	24,900	175,100	\$ -	250,000	100,000	-	-	-	\$ 350,000
CAPITAL RESERVES	102,630	-	102,630	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 302,630	\$ 24,900	\$ 277,730	\$ -	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 350,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -



PROJECT NO: E1808
PROJECT TITLE: Voltage Upgrade - North College Avenue
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	North College Avenue
PROJECT PRIORITY:	5 - Low
This project is a NEED and not a WANT, but it can start in year two of this CIP or later	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2018
Est. Completion Date:	2023
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 75,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 75,000
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Replace poles on North College Avenue and install a primary metering pole in preparation for a 4,160 volt to 12,470 volt upgrade of University buildings (Willard Hall, McDowell Hall, Taylor Hall, and University Delaware Museums) on North College Avenue. Currently, we still have 1,234 KVA of 4,160 volt load. This voltage upgrade will reduce this load to 792 KVA.

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



PROJECT NO: E1810
PROJECT TITLE: Lightning Arrestor Replacement
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Various locations in the City
PROJECT PRIORITY:	5 - Low
This project is a NEED and not a WANT, but it can start in year two of this CIP or later	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2018
Est. Completion Date:	2024
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 200,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 100,000
% Complete (if underway):	50.0%
Balance to be funded ¹ :	\$ 100,000

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	\$ 49,000
Materials:	5195106.9760	\$ 51,000
Other Contracts:		\$ -
TOTAL PROJECT COST		\$ 100,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Replace older lightning arrestors on the 12.47kV system. This will prevent power outages and improve lightning protection on the distribution system.	
**Please be advised that the City cannot proceed with the wire upgrade until Verizon, the pole owner, finishes installing the new poles.	

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



PROJECT NO: E1602
PROJECT TITLE: Circuit Breaker Replacement
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2016
Est. Completion Date:	2023
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 162,395
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 162,395
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
The 35kV oil circuit breaker installed in 1975 feeding transformer 47 at the Fremont Road Substation does not always open and close properly. Due to this problem and its age, it is recommended it be replaced with a vacuum type breaker.
E2206 – Project Closed – move available funds (\$55,395) to E1602.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	103,684	-	103,684	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 103,684	\$ -	\$ 103,684	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: E1502
PROJECT TITLE: Underground Distribution - UD Star Campus
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	University of Delaware: Star Campus
PROJECT PRIORITY:	1 - Highest Priority Level Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program:	2015
Est. Completion Date:	2028
Est. Useful Life (in years):	30
Est. Total Cost:	\$ 870,000
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 120,000
% Complete (if underway):	0.0%
Balance to be funded ¹ :	\$ 750,000

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

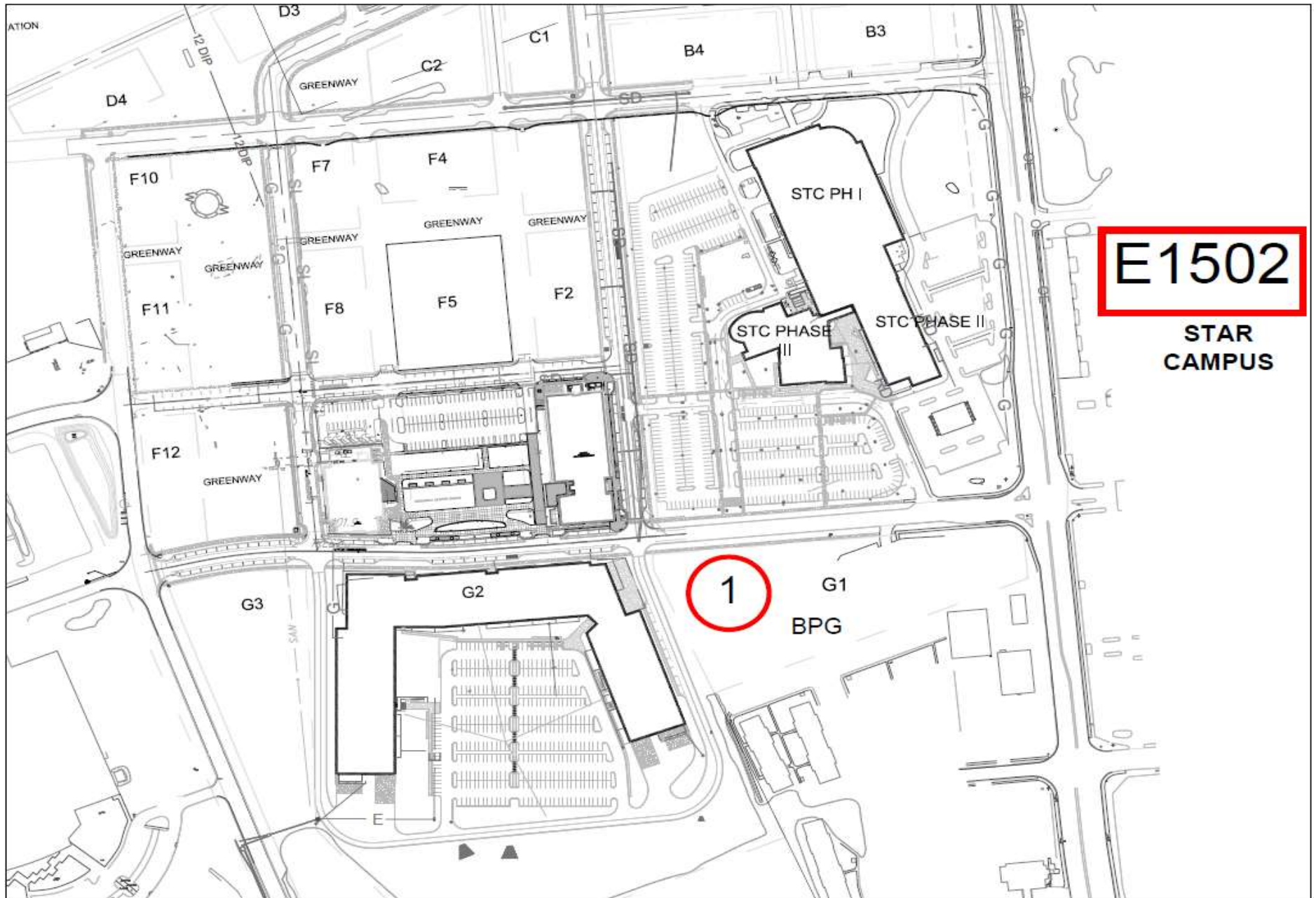
PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9830	\$ 50,000
Materials:	5195106.9730	\$ 400,000
Other Contracts:	5195106.9960	\$ 300,000
TOTAL PROJECT COST		\$ 750,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
Underground electrical distribution equipment is needed for the Star Campus. Expenditures to be reimbursed by the Developer or Customer.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	-	-	-	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER Developer or Customer	120,000	-	120,000	\$ -	150,000	150,000	150,000	150,000	150,000	\$ 750,000
TOTAL:	\$ 120,000	\$ -	\$ 120,000	\$ -	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

E1502: Underground Distribution - UD Star Campus
Supporting Documentation - Page 1





PROJECT NO: E1203
PROJECT TITLE: Engineering Software
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Municipal Building
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:	2012
Est. Completion Date:	2023
Est. Useful Life (in years):	15
Est. Total Cost:	\$ 40,444
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 40,444
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
This software is needed to model the city's electric distribution system. This software has engineering modules to assist in fault calculations, voltage drop calculations, coordination studies and feeder optimization.

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	40,444	-	40,444	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	-	-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 40,444	\$ -	\$ 40,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:				2024	2025	2026	2027	2028	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)				-	-	-	-	-	\$ -



PROJECT NO: E0503
PROJECT TITLE: SCADA and Automatic Switching
PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

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

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	Various locations in the City
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:	2023
Est. Useful Life (in years):	20
Est. Total Cost:	\$ 2,987,351
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 2,987,351
% Complete (if underway):	100.0%
Balance to be funded ¹ :	\$ -

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

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:	
This project will replace old communication devices at nine City substations. This will allow the City to move the substations from our old SCADA system to the new SCADA system. This project will also replace all the older feeder and transformer protection relays at the nine substations.	

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	250,000	120,527	129,473	\$ -	-	-	-	-	-	\$ -
CAPITAL RESERVES	447,258	-	447,258	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT		-	-	\$ -	-	-	-	-	-	\$ -
GRANTS (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 697,258	\$ 120,527	\$ 576,731	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					OPERATING IMPACT:					
					2024	2025	2026	2027	2028	TOTAL
					-	-	-	-	-	\$ -



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

FUNDING SUMMARY:

*Prior Authorized Balance includes 2023 carryover funding only.

	2024	2025	2026	2027	2028	Total 5 Year
New Funding:	\$ 130,000	\$ 450,000	\$ -	\$ 873,000	\$ 300,000	\$ 1,753,000
*Prior Authorized Balance:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2024-2028 Funding:	\$ 130,000	\$ 450,000	\$ -	\$ 873,000	\$ 300,000	\$ 1,753,000

CAPITAL BUDGET - PROJECT DETAIL	
DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
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:	\$ 2,532,350
Est. Spend @ 12/31/2023 (if underway) ¹ :	\$ 903,171
% Complete (if underway):	35.7%
Balance to be funded ¹ :	\$ 1,629,179

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

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		\$ -
Materials:		\$ -
Other Contracts:	5195106.9623	\$ 1,776,000
TOTAL PROJECT COST		\$ 1,776,000

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:
Planned advance funding accumulated through depreciation to replace essential equipment when necessary.
Please reference the supporting documentation on the following page for the Vehicle Replacement Program Schedule (2024-2028).
Budget Amendment (9): Please be advised that Council approved Budget Amendment, item 6-B on 2/13/2023 to reallocate Energize DE Grant. Energize DE Grant reduced from \$500,000 to \$470,000 overall. For 2023, the following projects were impacted: E2001 (-\$272,500), CEQSF (+\$75,000), KEQSF (+\$116,500) and EEQS (+\$50,000).

PROJECT FINANCING BY PLAN YEAR										
§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized ²	Actual Funds Utilized as of 04/30/23	Estimated Expenditures 04/01/23 - 12/31/23	Estimated Authorized Balance ² 12/31/23	2024	2025	2026	2027	2028	TOTAL 5 Year CIP
CURRENT RESOURCES	162,996	-	162,996	\$ -	51,974	77,380	-	452,290	79,356	\$ 661,000
CAPITAL RESERVES	510,171	-	510,171	\$ -	-	-	-	-	-	\$ -
EQUIPMENT REPLACEMENT	180,004	-	180,004	\$ -	78,026	372,620	-	420,710	220,644	\$ 1,092,000
GRANTS (SPECIFY)	50,000	-	50,000	\$ -	-	-	-	-	-	\$ -
BOND ISSUES	-	-	-	\$ -	-	-	-	-	-	\$ -
STATE REVOLVING LOAN	-	-	-	\$ -	-	-	-	-	-	\$ -
AMERICAN RESCUE PLAN ACT	-	-	-	\$ -	-	-	-	-	-	\$ -
OTHER (SPECIFY)	-	-	-	\$ -	-	-	-	-	-	\$ -
TOTAL:	\$ 903,171	\$ -	\$ 903,171	\$ -	\$ 130,000	\$ 450,000	\$ -	\$ 873,000	\$ 300,000	\$ 1,753,000
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET					2024	2025	2026	2027	2028	TOTAL
OPERATING IMPACT: INCREMENTAL COSTS (NET SAVINGS)					-	-	-	-	-	\$ -

CITY OF NEWARK, DELAWARE

VEHICLE REPLACEMENT PROGRAM SCHEDULE 2024 - 2028

ELECTRIC UTILITY

VEHICLE		PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS				
NUMBER	DESCRIPTION							2024	2025	2026	2027	2028
<u>STAFF VEHICLES</u>												
103	2018 Dodge Ram 2500, 4x4 Crew Cab	09/07/18	31,676	5	2024	2024	31,676	50,000				
116	2021 Nissan Leaf S Plus	05/12/21	29,710	9	2030	2030	29,710					
120	2008 Ford Focus Sedan	a. 06/06/08	11,281	9	2017	2023	11,281					
<u>LINE TRUCKS</u>												
100	1997 Int'l 4700 Stake Truck	b. 03/14/97	39,285	--	--	--	39,285					
101	2017 Int'l 4300 Bucket Truck	01/13/17	174,983	8	2025	2025	174,983	225,000				
104	2013 International 7400 Digger	09/21/12	228,003	8	2020	2022	228,003					
105	2020 Freightliner M2 Class 8	10/28/19	267,258	8	2019	2027	267,258				500,000	
111	2015 Sprinter 3500 Utility Versalift Vantel-29-NE	10/18/16	74,221	8	2024	2027	74,221				185,000	
115	2008 EZ Hauler 4100 Mini Digger Derrick	a. 09/12/08	120,732	8	2016	2023	120,732					
122	2017 Int'l 4300 Bucket Truck	01/13/17	197,637	8	2025	2025	197,637	225,000				
124	2020 Int'l MV607 Versalift VN-55	04/24/20	220,644	8	2020	2028	220,644					300,000
126	2018 Dodge Ram 2500, 4x4 Crew Cab	09/07/18	32,729	8	2018	2027	32,729				78,000	
130	2013 Ford F750 Aerial Lift Bucket Truck	01/14/14	176,500	8	2022	2022	176,500					
147	2015 Ford F750 Bucket Truck	07/31/15	164,100	8	2023	2022	164,100					
<u>PICK-UPS & VANS</u>												
129	2011 Ford 3/4 Ton Utility Body	a. 07/02/10	27,412	10	2020	2023	27,412					
132	2008 GMC Sierra 2500 Pickup Truck	a. 10/03/08	20,579	10	2018	2023	20,579					
145	2017 Ford F250 Super Duty Utility Body 4x4	08/11/17	37,552	10	2027	2027	37,552				90,000	
<u>OTHER EQUIPMENT</u>												
112	2002 Self-Loading Cable Trailer	07/26/02	8,950	25	2027	2027	8,950				20,000	
113	2022 Sherman Tension Trailer	07/12/22	117,670	10	2032	2032	117,670					
117	2022 Case CX 260 Mini Excavator	07/28/22	45,617	10	2032	2032	45,617					
154	2005 Daewoo 5K Forklift	10/14/05	21,450	10	2015	2024	21,450	30,000				
155	2008 Komatsu FG45T 10K Forklift	11/30/15	24,900	10	2019	2024	24,900	50,000				
TOTAL ELECTRIC UTILITY								\$ 130,000	\$ 450,000	\$ -	\$ 873,000	\$ 300,000
LESS: USE OF CAPITAL RESERVES								-	-	-	-	-
a. This vehicle is scheduled to be replaced in 2023.								(51,974)	(77,380)	-	(452,290)	(79,356)
b. This vehicle will not be replaced.												
NET EQUIPMENT SINKING FUND TOTAL								\$ 78,026	\$ 372,620	\$ -	\$ 420,710	\$ 220,644



ELECTRIC DEPARTMENT

APPENDICES

CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
APPENDIX A - OBJECT CODE 7131 AND 8131 - (2023 AND 2024 BUDGET COMPARISON)

ELECTRIC DEPARTMENT

Code	2024 IT Annual Operating Expense	Renewal	2023 Budget	2024 Budget	+/- Prior Year	Description
7131	Smart Meter Equipment Maintenance	As Needed	5,000.00	5,000.00	-	Proactive maintenance on smart meter wifi-network as well as batteries for 17 gatekeepers
8131	Auto Restoration System Software Maintenance	Annual	18,950.00	20,845.00	1,895.00	Electric Service Auto Restoration Software
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,720.00	2,720.00	-	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Bluebeam	Annual	298.00	477.00	179.00	
8131	ChargePoint Cloud	Annual	-	500.00	500.00	
8131	ChargePoint Assure Maintenance & Management Renewals	Annual	-	3,435.00	3,435.00	
8131	CYME Software Annual Maintenance	Annual	11,651.52	12,234.10	582.58	Electric Outage Simulation Software
8131	Esri Small Government ELA - Allocated	Annual	5,500.00	5,500.00	-	GIS Server, Client, Cloud Licensing
8131	Harris - Smartworks Software Migration to SaaS	One Time	-	8,820.00	8,820.00	Migrate from on premise to SaaS solution
8131	Harris - Smartworks - Extended Support - Allocated	Annual	8,936.00	9,294.17	358.17	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	15,352.00	21,912.00	6,560.00	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	42,061.66	48,410.82	6,349.16	Utility Billing Software (including Smart-Meter System)
8131	Honeywell Software Maintenance - Connexo Allocated	Annual	22,050.00	16,732.60	(5,317.40)	Smart-Meter System (Radio Infrastructure) & FieldSense
8131	Redhat Software Maintenance - Allocated	Annual	1,100.00	1,100.00	-	Smart Meter - Linux Operating System for Servers
8131	SagLine Software	Annual	1,200.00	1,200.00	-	Electrical Engineering Utility Weight and Span Software
8131	Scada System Licensing Maintenance	Annual	57,553.15	-	(57,553.15)	Electric SCADA HMI and Device Licenses
8131	Survalent	Annual	-	31,000.00	31,000.00	Electric SCADA HMI
8131	Tropos Software Maintenance - Allocated	Annual	31,500.00	-	(31,500.00)	Smart-Meter System (Wireless Infrastructure)
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	8,856.36	9,960.68	1,104.32	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Annual License Maintenance	Monthly	7,500.00	15,000.00	7,500.00	License for IoT dimming, outage reporting, and other lighting controls (for 811 new pole toppers and 2000 existing cobra head nodes)
8131	Verizon - Cellular/Data - Allocated	Monthly	16,200.00	16,200.00	-	Computer Mobile Internet Connectivity
8131	Verizon - Cellular/Data - Allocated	Monthly	-	4,536.00	4,536.00	Smart-Meter System (Cellular Connectivity)
8131	VOIP Networks - Cloud9 VOIP Subscription - Allocated	Monthly	3,500.00	3,525.00	25.00	VOIP Phone System
<i>7131 and 8131 Subtotals:</i>			<i>259,928.69</i>	<i>238,402.37</i>	<i>(21,526.32)</i>	
			\$ 259,929.00	\$ 238,402.00	\$ (21,527.00)	
	<i>7131 Subtotal:</i>		<i>5,000.00</i>	<i>5,000.00</i>	<i>-</i>	
	<i>8131 Subtotal:</i>		<i>254,929.00</i>	<i>233,402.00</i>	<i>(21,526.00)</i>	