Electric Department
2025 Budget Presentation

August 26, 2024

Introduction – Electric

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

2024 Accomplishments

- EV charging station infrastructure has been installed in the Police lot and expanded in the City Hall lot. It is in the process of being installed at the City Maintenance Yard and City Lot 1.
- Progress was made in CIP project E2303 to replace the aging underground cable at Devon. In 2024, we installed 621 feet of new underground cable and are in the process of installing an additional 580 feet of new underground cable by the end of 2024.
- Progress was made in CIP project E1807 to replace electro-mechanical protective relays and panels at Kershaw Substation. We completed the engineering design work for transformer T4, transformer T3, and bus 1. We are scheduled to take an outage on T4 to install the new relay panel in fall 2024. The material for T3 will be ordered by the end of 2024.
- An Outage Management System (OMS) to improve outage restoration time has been procured and will be integrated and ready to go by the end of the year.
- Project E1912 – 35kV Disconnect Switches Replacement is in progress and will be finished by Q1 of 2025.

2024 Accomplishments Cont'd

- We have also completed the following development projects throughout the City:
  - The Nest (268 E. Main)
    - Installed 57 new electric meters for the apartment building
  - Briarcreek North – in process
    - Installed 11 new electric meters for the townhouses
  - The Mill at White Clay
    - Installed a new service for the theater
  - 320 Markus Ct.
    - Installed two new services for the warehouse

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Current Capital Improvement Program Update

- **Capital Improvement Program Updates**
  - CIP E1807 – Relay replacement at Kershaw Substation - Completed engineering and design drawings for transformers T4, T3, and Bus 1. Also, completed 90% design drawing for Bus 2. We are scheduled to take an outage on T4 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 have completed the design. The construction will take place in late 2024.
  - CIP E2303 – Underground Cable Replacement – The project is in progress. In 2024, we replaced 621 feet of aging underground cable and are installing the process of replacing an additional 580 feet by the end of 2024.
  - CIP E1810 – Lightning Arrestor Replacement – The project is underway, and we have replaced the lightning arrestors at 39 out of 450 locations.
  - Implementation of Outage Management System (OMS)

2025 Goals

- Initiate the replacement of substation transformer unit 45 at the West Main substation.
- Install new communication devices at the following substations to be transferred to the new Supervisory Control and Data Acquisition (SCADA) system.
  - East Main, West Main, Phillips and Kershaw Substations
- E2202- Electric Warehouse expansion, finish the construction of the warehouse expansion of building #2.
- E2302 – continue working on replacing 12,470-volt aerial spacer cable.
- E2303 – continue working on replacing the old underground 12,470-volt single-phase primary cable at Devon.
- 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 – Relay Replacement at Kershaw Substation
- E1810 – Lighting Arrestor Replacement

Electric Budget Overview – By Object Level

ELECTRIC DEPARTMENT SUMMARY (BY OBJECT LEVEL):	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 *BUDGET	2025 ** BUDGET	% FROM 2024 BUDGET	$ FROM 2024 BUDGET
EXPENDITURES								
Personnel Services	4,295,203	2,599,310	3,936,348	3,510,338	3,981,413	4,260,965	7.0%	279,552
Utility Purchases	29,267,161	30,929,837	33,501,433	35,250,000	39,278,500	44,283,363	12.7%	5,004,863
Materials and Supplies	216,996	213,179	284,759	247,347	337,200	362,200	7.4%	25,000
Contractual Services	1,540,160	1,596,895	1,852,896	1,809,874	2,151,805	2,055,171	-4.5%	(96,634)
Equipment Depreciation	190,135	183,081	211,423	265,780	391,489	350,770	-10.4%	(40,719)
Other Expenditures	369,000	351,624	360,272	335,580	367,165	364,950	-0.6%	(2,215)
Inter-Dept. Charges	470,254	488,999	477,791	670,021	766,023	768,470	0.3%	2,447
Debt Service - Principal	560,477	572,169	638,156	393,041	402,860	413,042	2.5%	10,182
Debt Service - Interest	59,611	131,673	146,323	107,165	829,410	820,306	-1.1%	(9,104)
Total Operating Expenditures	**$ 36,968,997**	**$ 37,066,767**	**$ 41,409,401**	**$ 42,589,146**	**$ 48,505,865**	**$ 53,679,237**	**10.7%**	**$ 5,173,372**

* as amended ** as proposed

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Electric Budget Overview – Estimated Revenue

					* as amended	** as proposed		
ELECTRIC DEPARTMENT								
REVENUE SUMMARY:	**2020 ACTUAL**	**2021 ACTUAL**	**2022 ACTUAL**	**2023 ACTUAL**	**2024 *BUDGET**	**2025 ** BUDGET**	**% FROM 2024 BUDGET**	**$ FROM 2024 BUDGET**
ELECTRIC FUND								
Utility Contribution	51,600,384	53,939,898	57,699,264	56,399,099	63,628,151	70,377,200	10.6%	6,749,049
Intergovernmental Revenue	238	23,677	-	-	-	-	0.0%	-
Other Revenue	383,035	355,766	353,959	284,619	175,281	257,500	46.9%	82,219
Total Operating Revenue	**$ 51,983,657**	**$ 54,319,341**	**$ 58,053,223**	**$ 56,683,718**	**$ 63,803,432**	**$ 70,634,700**	**10.7%**	**$ 6,831,268**
Net Variance between Operating Expenditures and Revenue:	**$ 15,014,660**	**$ 17,252,574**	**$ 16,643,822**	**$ 14,094,572**	**$ 15,297,567**	**$ 16,955,463**		

**Please note, capital expenditures are not included in the above variance.

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General Budget Overview (Changes from 2024)

Operating Budget Changes (+$5,173,372: +10.7%)

- Personnel Charges (+$279,552): No FTE change. Wage adjustments due to contractual obligations, advancements and merit increases.
- Utility Purchases (+$5,004,863) – based on assumed electric purchases from DEMEC, along with a projected wholesale rate increase of 6% on 1/1/25 for non-ESA, and a 26% increase for ESA accounts on 6/1/2025
- Materials & Supplies (+$25,000):
  - 7110 – Safety Shoes and Supplies – an increase of $500 due to price increases.
  - 7260 – Line Maintenance – an increase of $14,500 due to price increases.
  - 7270 – Station Maintenance – an increase of $10,000 for additional transformer testing.
- Contractual Services (-$96,634):
  - 8030-8035 Insurance Lines – increased by at total of $35,844. Increased premiums.
  - 8040 – Merchant Fees and Discounts – decreased by -$247,500. UD move away from credit card payments.
  - 8120 – Outside Engineering – an increase of $15,000 to assist with testing the older cables in the system.
  - 8131 – IT Contractual – an increase of $22,587
  - 8260 – Line Maintenance – an increase of $25,000 due to price increases.
  - 8270 – Station Maintenance – an increase of $10,000 due to price increases.
  - 8312 – Fleet/Facilities Services increased $6,547 in total.
  - 8420 – Tree Removal & Maintenance – an increase of $30,200 due to current trends and pricing increases.
  - 8899 – Facilities Mowing – an increase of $6,188 due to current trends and pricing increases.

General Budget Overview (Changes from 2024)

Operating Budget Changes (+$5,173,372: +10.7%) - Continued

- Equipment Depreciation (-$40,719) – based on equipment depreciation schedules
- Other Expenditures (-$2,215) – decreased due to lower expense write-off of bad debt (improved debt collection)
  - Includes subventions to:
    - Catholic Charities ($25,000) – assistance to Newark residents
    - Aetna Hose Hook and Ladder (up to $58,000)
    - Newark Senior Center ($55,000)
    - CAC ($100,000)
- Inter-Dept. Charges (+$2,447) – Electric's share of the City's administrative overhead
- Debt Service (+1,078) – increased based on Smart Meter and ESCO debt service schedules. Includes substation.

Electric Budget Overview – Capital Improvements

FUNDING SUMMARY

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 2,650,000	$ 9,214,735	$ 10,773,000	$ 2,750,000	$ 350,000	$ 25,737,735
*Prior Authorized Balance:	$ 12,735,244	$ 8,010,265	$ -	$ -	$ -	$ 20,745,509
2025-2029 Funding:	$ 15,385,244	$ 17,225,000	$ 10,773,000	$ 2,750,000	$ 350,000	$ 46,483,244

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2024 BUDGET AS AMENDED	2025 RESERVES AND OTHER FUNDING	2025 CURRENT FUNDING	2025	2026	2027	2028	2029	TOTAL
E2501	New Lines and Services	D	$ 200,000	$ -	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
E2502	Upgrade Substation Transformer and Breakers	D	-	1,400,000	-	1,400,000	-	-	-	-	1,400,000
E2402	Advanced Metering Infrastructure (AMI) Replacement	D	-	-	-	-	-	-	2,000,000	-	2,000,000
E2302	Spacer Cable Replacement	D	170,000	-	125,000	125,000	125,000	-	-	-	250,000
E2303	Underground Cable Replacement	D	300,000	-	175,000	175,000	-	-	-	-	175,000
E2304	Meter Replacement	D	100,000	100,000	-	100,000	100,000	100,000	100,000	-	400,000
E2306	Transformer #76 Purchase	D	106,000	-	-	-	-	-	-	-	-
E2202	Electric Warehouse	D	1,400,000	-	-	-	-	-	-	-	-
E2001	City Electric Vehicle Charging Station Installation	B	663,280	385,244	-	385,244	-	-	-	-	385,244
E2002	New Substation	B	8,370,000	12,000,000	-	12,000,000	16,000,000	9,000,000	-	-	37,000,000
E1911	35kV Line 3402 Capacity Upgrade	D	-	-	-	-	400,000	300,000	-	-	700,000
E1912	35kV Disconnect Switches Replacement - Kershaw Substation	D	100,000	-	-	-	-	-	-	-	-
E1807	Relay Replacements - Kershaw Substation	D	250,000	250,000	-	250,000	250,000	150,000	-	-	650,000
E1810	Lightning Arrestor Replacement	D	100,000	-	-	-	-	-	-	-	-
E1502	Underground Distribution - UD Star Campus	D	150,000	150,000	-	150,000	150,000	150,000	150,000	150,000	750,000
E0503	SCADA and Automatic Switching	D	-	-	150,000	150,000	-	-	-	-	150,000
EEQSF	Equipment Replacement Program	D	130,000	372,620	77,380	450,000	-	873,000	300,000	-	1,623,000
	Total Electric Fund - Electric Department		**$ 12,039,280**	**$ 14,657,864**	**$ 727,380**	**$ 15,385,244**	**$ 17,225,000**	**$ 10,773,000**	**$ 2,750,000**	**$ 350,000**	**$ 46,483,244**

PLANNED FINANCING SOURCES	2024 BUDGET AS AMENDED	2025 RESERVES AND OTHER FUNDING	2025 CURRENT FUNDING	2025	2026	2027	2028	2029	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 12,039,280	$ 14,657,864	$ 727,380	$ 15,385,244	$ 17,225,000	$ 10,773,000	$ 2,750,000	$ 350,000	$ 46,483,244
LESS: USE OF RESERVES	(770,000)	(350,000)	-	(350,000)	(10,265)	-	-	-	(360,265)
VEHICLE & EQUIPMENT REPLACEMENT	(78,026)	(372,620)	-	(372,620)	-	(420,710)	(220,644)	-	(1,013,974)
GRANTS	(1,663,280)	(385,244)	-	(385,244)	-	-	-	-	(385,244)
BOND ISSUES	-	-	-	-	-	-	-	-	-
AMERICAN RESCUE PLAN ACT	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(8,150,000)	(13,550,000)	-	(13,550,000)	(16,150,000)	(9,150,000)	(2,150,000)	(150,000)	(41,150,000)
NET CAPITAL IMPROVEMENTS	$ 1,377,974	$ -	$ 727,380	$ 727,380	$ 1,064,735	$ 1,202,290	$ 379,356	$ 200,000	$ 3,573,761

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General Budget Overview (Changes from 2024)

Capital Improvement Program Changes and Updates

- **E2502 – Upgrade Substation Transformer and Breaker -** Added a new project for FY2025.
- **E2303 – Underground Cable Replacement** - $175,000 increase in 2025 to cover the directional drilling (bore) cost.
- **E2001 – Electric Vehicle Charging Stations** – Grant funding is available from the Federal Highway Administration of the Department of Transportation (CFI). We are in the process of applying 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 2026 due to ongoing and upcoming CIP projects.
- **E1805 – 12kV Line Extension –** Moved to 2026 due to ongoing and upcoming CIP projects.
- **E1807 – Relay Replacements at Kershaw Substation** – added additional funds for years 2025 to 2027 to purchase relays for BUS 1 and BUS 2.

Questions

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ELECTRIC DEPARTMENT

2025 BUDGET PRESENTATION

TO CITY COUNCIL

AS PRESENTED ON:
AUGUST 26th, 2024

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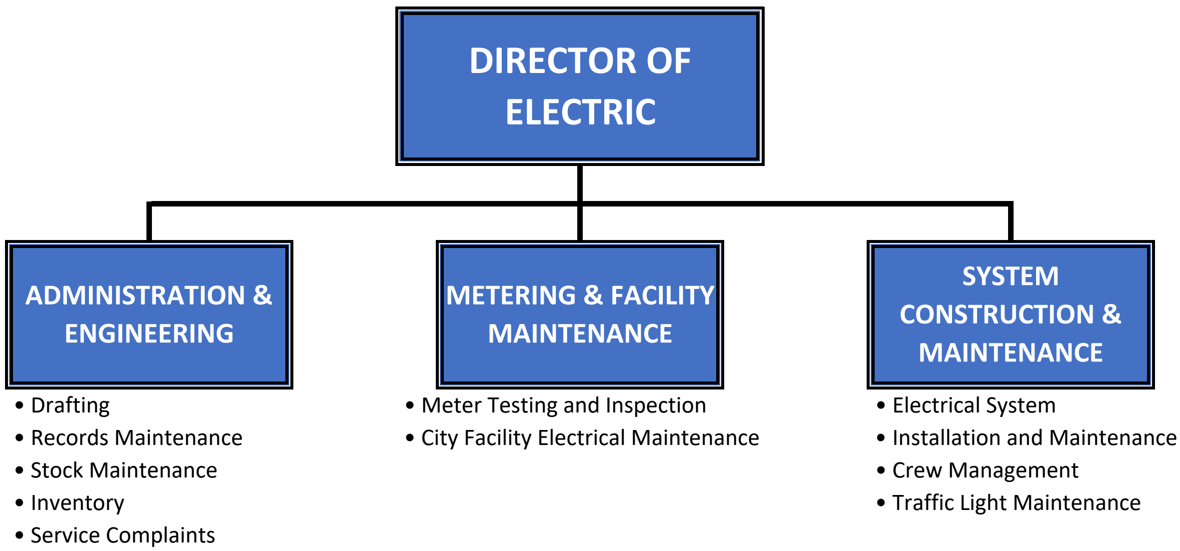
CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
ORGANIZATIONAL CHART



CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2025 DEPARTMENTAL NARRATIVE

The City of Newark operates its own electric utility to provide electric services to over 13,000 meters, supporting commercial, industrial, 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 system 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, circuit protective equipment, and transformers.

In addition to maintaining the City's electrical distribution system, new power lines, substations, and underground electric utilities are designed and installed to expand services to new customers. Notably in 2025 and the years to come, the STAR Campus area of the City will begin to see significant load growth. That fact in combination with general load growth trends from electrification and EV growth contribute to the need for a new substation. Major engineering groundwork on the new substation will occur in 2025.

Additional departmental responsibilities include maintaining and installing streetlights, 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 development plan reviews, schematic drawings, and engineering analysis for construction work.

The bottom line of any electric utility is reliability of service, and another major responsibility of the electric department is to look for ways to improve our reliability. This includes work such as adding protective sectionalizing devices, working with software to help get the maximum number of customers back as quickly as possible, improving operations procedures, and providing better customer-electric department communications such as through our Outage Management System (OMS), procured in 2024.

CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2024 DEPARTMENTAL ACCOMPLISHMENTS

Key accomplishments in 2024 include:

- EV charging station infrastructure has been installed in the Police lot and expanded in the City Hall lot. It is in the process of being installed at the City Maintenance Yard and City Lot 1.

- Progress was made in CIP project E2303 to replace the aging underground cable at Devon. In 2024, we installed 621 feet of new underground cable and are in the process of installing an additional 580 feet of new underground cable by the end of 2024.

- Progress was made in CIP project E1807 to replace electro-mechanical protective relays and panels at Kershaw Substation. We completed the engineering design work for transformer T4, transformer T3, and bus 1. We are scheduled to take an outage on T4 to install the new relay panel in fall 2024. The material for T3 will be ordered by the end of 2024.

- Progress was made in CIP project E1810 to replace aging lightning arrestors across the city's entire electric network.

- An Outage Management System (OMS) to improve outage restoration time has been procured and will be integrated and ready to go by the end of the year.

- Progress has been made on the design and negotiation involved in the New Substation project, which is projected to be completed in 2028. This year, the engineering design, layout, and understanding of the timeline and requirements with all parties involved have seen significant progress.

- Electric service work has been done at the following development projects throughout the City:

    - 268 E Main
        - 57 new meters were installed for the apartment buildings and commercial retail

    - The Grove at College Square
        - 2 new meters were installed for the First Watch and Starbucks

    - Briarcreek North
        - 11 new meters were installed for the townhouses

    - 1 N Twin Lakes
        - Currently, its under construction and will be ready for new service by the end of 2024 or early 2025.

    - Creekview – The Mill at White Clay
        - 3 commercial meters were installed for the theater, restaurant, and office building

CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
2025 DEPARTMENTAL GOALS

Goals for 2025 include:

- Initiate the replacement of substation transformer unit 45 at West Main Substation. It is 52 years old and reaching the limits of its capacity.

- Continue working on CIP project E2302 to replace additional spacer cable.

- Complete CIP project E2202 by completing the construction of the Electric warehouse addition.

- Continue working on CIP project E2303 to replace old underground cable at Devon.

- Continue working on CIP project E2304 to replace the older non-disconnect meters with remote disconnect meters.

- As part of CIP project E0503, we would like to replace old electro-mechanical protective relays at Sandy Brae and Wyoming Substations and install new data communication devices to integrate directly with the Survalent SCADA system.

- Continue working on CIP project E2002, the new substation. We would like to complete the 90% design work for the substation and pole line, complete easement and other required documentation.

- Continue working on ongoing new development projects.

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ELECTRIC DEPARTMENT

2025 OPERATING EXPENDITURES

CITY OF NEWARK, DELAWARE
2025 OPERATING BUDGET

Electric Fund - Electric Department

Summary:

* as amended ** as proposed

ELECTRIC DEPARTMENT - SUMMARY	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
REVENUES								
Sale of Electricity	$ 50,236,347	$ 52,290,337	$ 56,261,323	$ 54,782,027	$ 63,198,151	$ 69,937,200	$ 6,739,049	10.7%
No. of K.W.H.'s (Thousands)	402,097	421,301	423,748	446,000	434,300	423,709	(10,591)	N/A
Inter-Dept. Sales	545,700	508,200	466,300	378,781	507,200	558,196	50,996	10.1%
Penalties	106,420	157,939	118,508	151,401	120,000	130,000	10,000	8.3%
Service Fees	71,260	71,922	64,475	125,145	80,000	80,000	-	0.0%
New Services	1,086,097	1,142,795	628,962	1,199,916	100,000	100,000	-	0.0%
Application Fees	100,260	137,280	138,180	140,610	130,000	130,000	-	0.0%
Solar Revenues	36,004	59,363	39,567	39,095	37,000	38,000	1,000	2.7%
Other Revenues	95,413	228,482	620,791	63,229	38,281	79,500	41,219	107.7%
Interest Revenue	251,856	231,223	181,417	35,556	100,000	140,000	40,000	40.0%
Subtotal	$ 52,529,357	$ 54,827,541	$ 58,519,523	$ 56,915,760	$ 64,310,632	$ 71,192,896	$ 6,882,264	10.7%
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)	433,533	451,781	454,611	469,378	464,701	449,459	N/A	N/A
Gross Operating Revenue	$ 52,529,357	$ 54,827,541	$ 58,519,523	$ 56,915,760	$ 64,310,632	$ 71,192,896	$ 6,882,264	10.7%
OPERATING EXPENSES								
Personnel Services	$ 4,295,203	$ 2,599,310	$ 3,936,348	$ 3,510,338	$ 3,981,413	$ 4,260,965	$ 279,552	7.0%
Utility Purchases	29,267,161	30,929,837	33,501,433	35,250,000	39,278,500	44,283,363	5,004,863	12.7%
Materials and Supplies	216,996	213,179	284,759	247,347	337,200	362,200	25,000	7.4%
Contractual Services	1,540,160	1,596,895	1,852,896	1,809,874	2,151,805	2,055,171	(96,634)	-4.5%
Other Charges	1,179,223	1,238,547	1,356,174	1,101,566	1,990,924	1,949,068	(41,856)	-2.1%
Subtotal	$ 36,498,743	$ 36,577,768	$ 40,931,610	$ 41,919,125	$ 47,739,842	$ 52,910,767	$ 5,170,925	10.8%
Inter-Departmental Charges (net of Inter-Departmental Sales)	1,015,954	997,199	944,091	1,048,802	1,273,223	1,326,666	53,443	4.2%
Total Operating Expenses	$ 37,514,697	$ 37,574,967	$ 41,875,701	$ 42,967,927	$ 49,013,065	$ 54,237,433	$ 5,224,368	10.7%
Net Operating Margin (Before Capital Costs)	**$ 15,014,660**	**$ 17,252,574**	**$ 16,643,822**	**$ 13,947,833**	**$ 15,297,567**	**$ 16,955,463**	**$ 1,657,896**	10.8%

CITY OF NEWARK, DELAWARE
2025 OPERATING BUDGET

Electric Fund - Electric Department

Expenditures: * as amended ** as proposed

PERSONNEL SERVICES			2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
5195102	6020	Supervisory	$ 241,068	$ 241,377	$ 253,320	$ 272,780	$ 288,442	$ 294,895	$ 6,453	2.2%
5195102	6030	Engineering/Technical	370,091	382,083	358,471	433,025	350,180	293,594	(56,586)	-16.2%
5195102	6040	Warehousing	68,979	73,333	70,915	72,980	75,614	79,483	3,869	5.1%
5195102	6080	Clerical	71,471	71,107	72,489	73,899	76,056	82,527	6,471	8.5%
5195102	6200	Line Maintenance	1,075,543	1,295,071	1,112,139	1,011,008	1,387,701	1,593,081	205,380	14.8%
5195102	6580	Service Award	42,081	45,129	42,144	42,609	47,644	47,644	-	0.0%
5195102	6590	Sick Pay	28,599	21,461	22,732	17,094	25,000	25,000	-	0.0%
5195102	6619	Standby Pay	42,556	42,782	31,210	25,242	50,000	103,000	53,000	106.0%
5195102	6620	Overtime	303,089	200,769	236,048	268,422	247,800	272,580	24,780	10.0%
5195102	6622	Holiday Premium	727	801	1,828	-	200	-	(200)	-100.0%
5195102	6880	Uniform Allowance	10,400	10,450	9,950	10,650	8,400	10,800	2,400	28.6%
5195102	6885	Device Reimbursement	5,775	5,800	5,750	6,700	6,600	7,800	1,200	18.2%
5195102	6920	Unemployment Comp. Ins.	7,264	6,780	7,744	3,645	3,150	3,150	-	0.0%
5195102	6925	Delaware Paid Leave Plan	-	-	-	-	-	11,242	11,242	100.0%
5195102	6930	Social Security Taxes	168,403	179,709	168,769	174,905	186,316	221,679	35,363	19.0%
5195102	6940	City Pension Plan	1,284,990	(440,381)	938,919	490,617	463,874	388,560	(75,314)	-16.2%
5195102	6941	Defined Contribution 401(a) Plan	28,180	29,422	37,727	49,028	59,901	62,896	2,995	5.0%
5195102	6950	Term Life Insurance	8,922	8,492	7,531	7,990	8,376	9,575	1,199	14.3%
5195102	6960	Group Hospitalization Ins.	448,894	463,537	427,859	447,457	521,497	588,545	67,048	12.9%
5195102	6961	Long-Term Disability Ins.	3,987	3,228	2,276	2,450	2,889	2,630	(259)	-9.0%
5195102	6962	Dental Insurance	23,438	23,275	21,065	19,936	23,179	26,254	3,075	13.3%
5195102	6963	Flexible Spending Account	110	126	142	315	315	252	(63)	-20.0%
5195102	6964	Health Savings Account	-	-	-	-	-	850	850	100.0%
5195102	6965	Post-Employment Benefits	49,643	(76,739)	93,201	59,895	126,790	91,660	(35,130)	-27.7%
5195102	6966	Retirement Health Savings Account	7,760	7,769	10,480	14,571	16,588	38,275	21,687	130.7%
5195102	6967	Emergency Room Reimbursements	2,000	2,680	2,523	4,000	3,625	3,625	-	0.0%
5195102	6968	Vision Insurance Premiums	1,233	1,249	1,116	1,120	1,276	1,368	92	7.2%
TOTAL PERSONNEL SERVICES			**$ 4,295,203**	**$ 2,599,310**	**$ 3,936,348**	**$ 3,510,338**	**$ 3,981,413**	**$ 4,260,965**	**$ 279,552**	**7.0%**

CITY OF NEWARK, DELAWARE
2025 OPERATING BUDGET

Electric Fund - Electric Department

Expenditures:

MATERIALS AND SUPPLIES			2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
							* as amended	** as proposed		
5195103	7110	Safety Shoes and Supplies	$ 2,392	$ 5,835	$ 8,882	$ 4,509	$ 8,500	$ 9,000	$ 500	5.9%
5195103	7130	Tools, Field Sup., & Small Eq.	35,011	38,698	37,328	41,443	42,000	42,000	-	0.0%
5195103	7131	Information Technology Supplies	-	-	7,911	-	5,000	5,000	-	0.0%
5195103	7140	Uniforms	16,275	18,147	20,822	18,849	35,000	35,000	-	0.0%
5195103	7150	Office Supplies	1,744	2,134	5,296	2,600	3,500	3,500	-	0.0%
5195103	7160	Books, Periodicals, Etc	791	272	156	221	800	800	-	0.0%
5195103	7255	Vandalism Supplies	-	-	-	6	2,500	2,500	-	0.0%
5195103	7260	Line Maintenance	127,645	112,295	136,873	145,752	155,500	170,000	14,500	9.3%
5195103	7270	Station Maintenance	17,529	18,803	46,065	39,422	35,000	45,000	10,000	28.6%
5195103	7271	SCADA System Maintenance Supplies	-	-	-	-	12,000	12,000	-	0.0%
5195103	7300	Machinery & Equip. Maintenance	-	-	-	-	500	500	-	0.0%
5195103	7330	Meter Testing & Repairs	-	351	475	421	2,000	2,000	-	0.0%
5195103	7350	Traffic Signal Maintenance	-	297	-	-	-	-	-	0.0%
5195103	7370	Street Light Maintenance	10,986	8,231	3,977	1,480	13,000	13,000	-	0.0%
5195103	7430	House Service Maintenance	19,228	33,559	27,062	959	20,000	20,000	-	0.0%
5195103	7480	Communication Equip. Maint.	-	210	-	-	500	500	-	0.0%
5195103	7540	Inventory Adjustment	(16,003)	(26,951)	(11,466)	(9,895)	-	-	-	0.0%
5195103	7550	Miscellaneous Supplies	1,398	1,298	1,378	1,580	1,400	1,400	-	0.0%
TOTAL MATERIALS AND SUPPLIES			**$ 216,996**	**$ 213,179**	**$ 284,759**	**$ 247,347**	**$ 337,200**	**$ 362,200**	**$ 25,000**	**7.4%**

CITY OF NEWARK, DELAWARE
2025 OPERATING BUDGET

Electric Fund - Electric Department

Expenditures: * as amended ** as proposed

CONTRACTUAL SERVICES			2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
5195104	8010	Freight	$ 1,650	$ 1,216	$ 719	$ 1,091	$ 1,000	$ 1,000	$ -	0.0%
5195104	8020	Advertising	384	897	929	733	2,000	2,000	-	0.0%
5195104	8030	Casualty Insurance	19,926	27,660	35,048	27,842	37,175	37,514	339	0.9%
5195104	8031	Insurance - Property	47,622	62,932	75,069	86,734	106,299	123,597	17,298	16.3%
5195104	8032	Insurance - Auto	26,171	27,152	22,006	31,313	42,049	40,188	(1,861)	-4.4%
5195104	8033	Insurance - Broker	8,131	6,128	5,878	5,553	5,716	5,716	-	0.0%
5195104	8035	Insurance - Worker's Compensation	87,195	87,421	74,010	72,538	81,200	101,268	20,068	24.7%
5195104	8040	Merchant Fees and Discounts	564,920	579,672	493,760	541,098	661,500	414,000	(247,500)	-37.4%
5195104	8045	Collection Fees	7,118	1,770	556	192	3,500	3,500	-	0.0%
5195104	8050	Phone/Communications	3,364	2,737	2,317	2,008	3,000	2,500	(500)	-16.7%
5195104	8120	Outside Engineering	22,856	2,400	139,271	58,105	110,000	125,000	15,000	13.6%
5195104	8130	Building & Equipment Rental	11,058	11,650	10,901	11,315	12,000	12,000	-	0.0%
5195104	8131	Information Technology Cont'l	228,244	220,877	229,714	238,089	233,402	255,989	22,587	9.7%
5195104	8190	Refuse Disposal	2,598	2,439	2,684	7,026	5,000	5,000	-	0.0%
5195104	8255	Vandalism Cont'l	-	-	-	-	2,500	2,500	-	0.0%
5195104	8260	Line Maintenance	60,431	69,715	45,063	62,293	95,000	120,000	25,000	26.3%
5195104	8270	Station Maintenance	20,092	47,717	111,525	38,724	55,000	65,000	10,000	18.2%
5195104	8271	SCADA System Maintenance Cont'l	-	-	-	-	10,000	10,000	-	0.0%
5195104	8272	EV Charging Station Maintenance	-	-	-	-	4,000	4,000	-	100.0%
5195104	8300	Machinery & Equip. Maintenance	5,707	7,412	7,338	4,970	9,000	9,000	-	0.0%
5195104	8312	Fleet & Facilities Services	204,929	236,538	338,675	328,962	359,252	365,799	6,547	1.8%
5195104	8313	Self-Insurance Services	500	93	953	4,120	-	-	-	0.0%
5195104	8420	Tree Removal & Maintenance	214,905	197,272	251,826	266,864	302,000	332,200	30,200	10.0%
5195104	8480	Communication Equipment Maintenance	150	450	-	-	1,200	1,200	-	0.0%
5195104	8550	Misc. Contracted Services	45	1,520	2,771	10,899	5,000	5,000	-	0.0%
5195104	8570	Public Relations	1,164	227	883	1,125	1,200	1,200	-	0.0%
5195104	8899	Facilities Mowing	1,000	1,000	1,000	8,280	3,812	10,000	6,188	162.3%
TOTAL CONTRACTUAL SERVICES			**$ 1,540,160**	**$ 1,596,895**	**$ 1,852,896**	**$ 1,809,874**	**$ 2,151,805**	**$ 2,055,171**	**$ (96,634)**	**-4.5%**

CITY OF NEWARK, DELAWARE
2025 OPERATING BUDGET

Electric Fund - Electric Department

Expenditures:

* as amended ** as proposed

OTHER CHARGES			2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
5195105	9001	Subvention - Utility Assistance	$ 25,000	$ -	$ 25,000	$ -	$ 25,000	$ 25,000	$ -	0.0%
5195105	9002	Subvention - Aetna Hook and Ladder	49,422	47,147	48,130	55,108	48,400	58,000	9,600	19.8%
5195105	9004	Subvention - Newark Senior Center	44,289	46,933	44,972	53,494	55,000	55,000	-	0.0%
5195105	9010	Bad Debt Expense	218,438	132,053	136,342	158,236	91,815	80,000	(11,815)	-12.9%
5195105	9020	Mileage & Small Bus. Expense	-	54	8	-	150	150	-	0.0%
5195105	9056	Debt Serv. Prin. - Smart Meters	560,477	572,169	498,396	249,168	254,650	260,265	5,615	2.2%
5195105	9057	Debt Serv. Int. - Smart Meters	59,611	47,908	36,544	28,641	23,160	17,558	(5,602)	-24.2%
5195105	9060	Depreciation Expense	190,135	183,081	211,423	265,780	391,489	350,770	(40,719)	-10.4%
5195105	9070	Training & Continuing Educ/Conf	8,681	4,156	6,021	14,673	23,000	23,000	-	0.0%
5195105	9091	Solar Rebate	1,707	1,364	1,258	1,290	1,800	1,800	-	0.0%
5195105	9092	Notional Solar Cost	20,778	20,998	24,529	24,807	22,000	22,000	-	0.0%
5195105	9093	Subvention Expense	685	-	-	-	-	-	-	0.0%
5195105	9094	Conservation Advisory Committee	-	98,919	74,012	27,972	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	152,777	4,567	3.1%
5195105	9206	Debt Serv. Int. - (ESCO)	-	83,765	109,779	78,524	76,250	72,748	(3,502)	-4.6%
TOTAL OTHER CHARGES			**$ 1,179,223**	**$ 1,238,547**	**$ 1,356,174**	**$ 1,101,566**	**$ 1,990,924**	**$ 1,949,068**	**$ (41,856)**	**-2.1%**

* as amended ** as proposed

INTER-DEPT. CHARGES	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
Administrative Overhead	$ 739,789	$ 663,242	$ 635,502	$ 793,721	$ 764,223	$ 808,550	$ 44,327	5.8%
Billings and Accounting	348,530	345,908	320,398	378,382	428,111	424,853	(3,258)	-0.8%
Electricity	(377,385)	(326,313)	(311,719)	(321,388)	(370,251)	(389,045)	(18,794)	5.1%
Information Technology	67,051	80,829	83,836	135,445	180,163	181,489	1,326	0.7%
Other Indirect Charges	(92,785)	(32,171)	(39,809)	(90,472)	2,048	(15,438)	(17,486)	-853.8%
Printing and Reproduction	76	95	74	96	143	130	(13)	-9.1%
Street Lights and Traffic Signals	(177,083)	(212,877)	(184,877)	(199,969)	(210,377)	(216,699)	(6,322)	3.0%
Warehousing	(37,939)	(29,714)	(25,614)	(25,794)	(28,037)	(25,370)	2,667	-9.5%
TOTAL INTER-DEPT. CHARGES	**$ 470,254**	**$ 488,999**	**$ 477,791**	**$ 670,021**	**$ 766,023**	**$ 768,470**	**$ 2,447**	**0.3%**

* as amended ** as proposed

OPERATING EXPENSES - ELECTRIC DEPARTMENT	2020 ACTUAL	2021 ACTUAL	2022 ACTUAL	2023 ACTUAL	2024 BUDGET *	2025 BUDGET **	$ DIFFERENCE FROM 2024-25	% DIFFERENCE FROM 2024-25
TOTAL OPERATING EXPENSES	**$ 7,701,836**	**$ 6,136,930**	**$ 7,907,968**	**$ 7,339,146**	**$ 9,227,365**	**$ 9,395,874**	**$ 168,509**	**1.8%**

ELECTRIC DEPARTMENT

2025-2029 CAPITAL IMPROVEMENT PROGRAM

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2025-2029
(with current year amended budget)

ELECTRIC FUND - ELECTRIC DEPARTMENT

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

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 2,650,000	$ 9,214,735	$ 10,773,000	$ 2,750,000	$ 350,000	$ 25,737,735
*Prior Authorized Balance:	$ 12,735,244	$ 8,010,265	$ -	$ -	$ -	$ 20,745,509
2025-2029 Funding:	$ 15,385,244	$ 17,225,000	$ 10,773,000	$ 2,750,000	$ 350,000	$ 46,483,244

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NUMBER	PROJECT NAME	*	2024 BUDGET AS AMENDED	|----2025----| RESERVES AND OTHER FUNDING	CURRENT FUNDING	2025	2026	2027	2028	2029	TOTAL
E2501	New Lines and Services	D	$ 200,000	$ -	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
E2502	Upgrade Substation Transformer and Breakers	D	-	1,400,000	-	1,400,000	-	-	-	-	1,400,000
E2402	Advanced Metering Infrastructure (AMI) Replacement	D	-	-	-	-	-	-	2,000,000	-	2,000,000
E2302	Spacer Cable Replacement	D	170,000	-	125,000	125,000	125,000	-	-	-	250,000
E2303	Underground Cable Replacement	D	300,000	-	175,000	175,000	-	-	-	-	175,000
E2304	Meter Replacement	D	100,000	100,000	-	100,000	100,000	100,000	100,000	-	400,000
E2306	Transformer #76 Purchase	D	106,000	-	-	-	-	-	-	-	-
E2202	Electric Warehouse	D	1,400,000	-	-	-	-	-	-	-	-
E2001	City Electric Vehicle Charging Station Installation	B	663,280	385,244	-	385,244	-	-	-	-	385,244
E2002	New Substation	B	8,370,000	12,000,000	-	12,000,000	16,000,000	9,000,000	-	-	37,000,000
E1911	35kV Line 3402 Capacity Upgrade	D	-	-	-	-	400,000	300,000	-	-	700,000
E1912	35kV Disconnect Switches Replacement - Kershaw Substation	D	100,000	-	-	-	-	-	-	-	-
E1807	Relay Replacements - Kershaw Substation	D	250,000	250,000	-	250,000	250,000	150,000	-	-	650,000
E1810	Lightning Arrestor Replacement	D	100,000	-	-	-	-	-	-	-	-
E1502	Underground Distribution - UD Star Campus	D	150,000	150,000	-	150,000	150,000	150,000	150,000	150,000	750,000
E0503	SCADA and Automatic Switching	D	-	-	150,000	150,000	-	-	-	-	150,000
EEQSF	Equipment Replacement Program	D	130,000	372,620	77,380	450,000	-	873,000	300,000	-	1,623,000
	Total Electric Fund - Electric Department		**$ 12,039,280**	**$ 14,657,864**	**$ 727,380**	**$ 15,385,244**	**$ 17,225,000**	**$ 10,773,000**	**$ 2,750,000**	**$ 350,000**	**$ 46,483,244**

PLANNED FINANCING SOURCES	2024 BUDGET AS AMENDED	RESERVES AND OTHER FUNDING	CURRENT FUNDING	2025	2026	2027	2028	2029	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 12,039,280	$ 14,657,864	$ 727,380	$ 15,385,244	$ 17,225,000	$ 10,773,000	$ 2,750,000	$ 350,000	$ 46,483,244
LESS: USE OF RESERVES	(770,000)	(350,000)	-	(350,000)	(10,265)	-	-	-	(360,265)
VEHICLE & EQUIPMENT REPLACEMENT	(78,026)	(372,620)	-	(372,620)	-	(420,710)	(220,644)	-	(1,013,974)
GRANTS	(1,663,280)	(385,244)	-	(385,244)	-	-	-	-	(385,244)
BOND ISSUES	-	-	-	-	-	-	-	-	-
AMERICAN RESCUE PLAN ACT	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(8,150,000)	(13,550,000)	-	(13,550,000)	(16,150,000)	(9,150,000)	(2,150,000)	(150,000)	(41,150,000)
NET CAPITAL IMPROVEMENTS	$ 1,377,974	$ -	$ 727,380	$ 727,380	$ 1,064,735	$ 1,202,290	$ 379,356	$ 200,000	$ 3,573,761

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

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2501

PROJECT TITLE: New Lines and Services

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 200,000	$ 1,000,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 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

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.

§ 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:	$ 1,200,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 200,000
% Complete (if underway):	16.7%
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

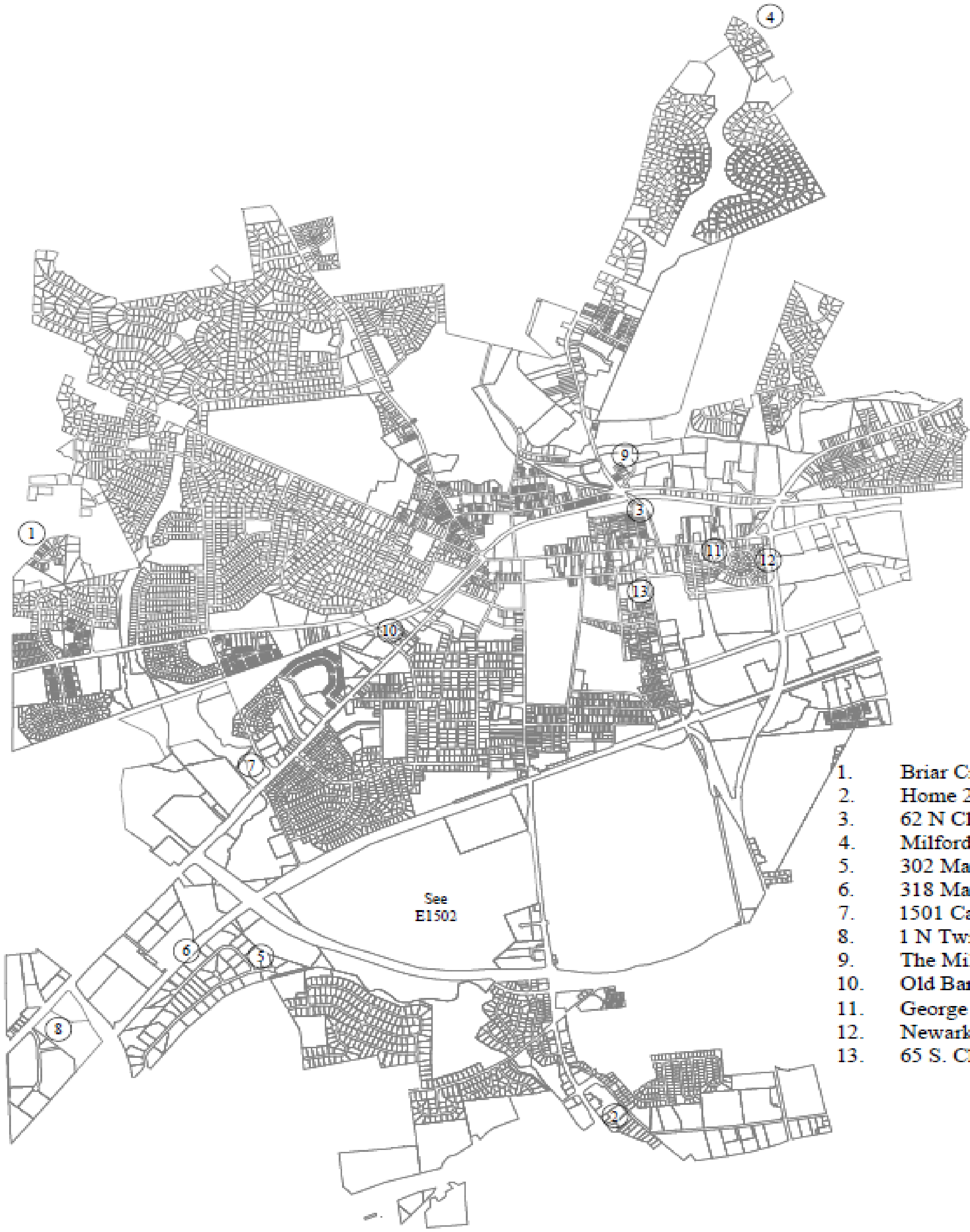
[2] Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	200,000	-	200,000	$ -	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:	$ 200,000	$ -	$ 200,000	$ -	$ 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:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

E2501: New Lines and Services
Supporting Documentation - Page 1



1. Briar Creek North
2. Home 2 Suites
3. 62 N Chapel
4. Milford Run
5. 302 Markus Ct
6. 318 Markus Ct
7. 1501 Casho Mill Rd
8. 1 N Twin Lakes
9. The Mill at White Clay
10. Old Barksdale Rd
11. George Read Village
12. Newark Free Library
13. 65 S. Chapel (The Continental)

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2502

PROJECT TITLE: Upgrade Substation Transformer and Breakers

PROJECT STATUS: New Project

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 1,400,000	$ -	$ -	$ -	$ -	$ 1,400,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ 1,400,000	$ -	$ -	$ -	$ -	$ 1,400,000

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric
DIVISION:	Electric
FUND:	Electric
PROJECT LOCATION:	West Main 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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The West Main Substation's Transformer 45 is a 5,000 KVA base and 7,000 KVA maximum capacity transformer, installed in 1972. It currently provides power to 1,461 residential and 95 commercial customers, operating close to its total base capacity with a peak demand of 5,544 KVA. In addition to serving 1,556 customers, this transformer also serves as a backup for five other circuits.

Given its age, current load, and the expected increase in demand from transportation electrification, it is clear that there is a need to upgrade Transformer 45. Our recent Electric Vehicle Penetration Study also highlights the potential risks of not upgrading this transformer. Therefore, the staff recommends replacing Transformer 45 with a 10,000 kVA base transformer as a proactive risk management measure.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2025
Est. Completion Date:	2025
Est. Useful Life (in years):	30
Est. Total Cost:	$ 1,400,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ -
% Complete (if underway):	0.0%
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:	5195106.9860	$ 10,000
Materials:	5195106.9760	$ 1,300,000
Other Contracts:	5195106.9960	$ 90,000
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."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER DEMEC	-	-	-	$ -	1,400,000	-	-	-	-	$ 1,400,000
TOTAL:	$ -	$ -	$ -	$ -	$ 1,400,000	$ -	$ -	$ -	$ -	$ 1,400,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2402

PROJECT TITLE: Advanced Metering Infrastructure (AMI) Replacement

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ 2,000,000	$ -	$ 2,000,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 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:	2028
Est. Useful Life (in years):	10
Est. Total Cost:	$ 2,000,000
Est. Spend @ 12/31/2024 (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 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	2,000,000	-	$ 2,000,000
TOTAL:	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,000,000	$ -	$ 2,000,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2302

PROJECT TITLE: Spacer Cable Replacement

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 125,000	$ 125,000	$ -	$ -	$ -	$ 250,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ 125,000	$ 125,000	$ -	$ -	$ -	$ 250,000

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

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.

§ 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 @ 12/31/2024 (if underway)[1]:	$ 340,000
% Complete (if underway):	57.6%
Balance to be funded[1]:	$ 250,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:	5195106.9860	$ 134,525
Materials:	5195106.9760	$ 115,475
Other Contracts:		$ -
TOTAL PROJECT COST		$ 250,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	170,000	-	170,000	$ -	125,000	125,000	-	-	-	$ 250,000
CAPITAL RESERVES	88,944	493	88,451	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 258,944	$ 493	$ 258,451	$ -	$ 125,000	$ 125,000	$ -	$ -	$ -	$ 250,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

E2302: Spacer Cable Replacement

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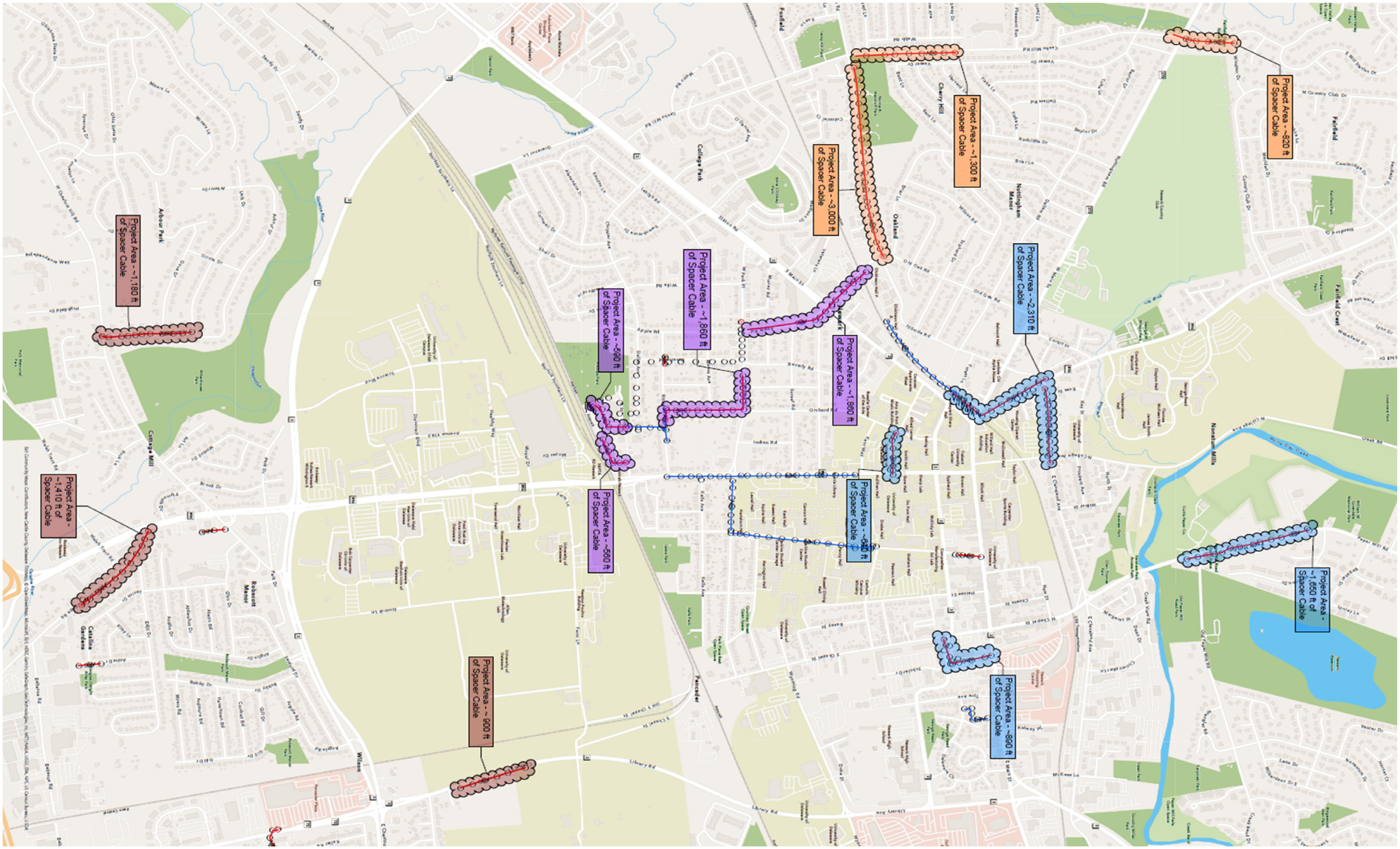
(Below map is horizontal for sizing and spacing purposes)



*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2303

PROJECT TITLE: Underground Cable Replacement

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 175,000	$ -	$ -	$ -	$ -	$ 175,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ 175,000	$ -	$ -	$ -	$ -	$ 175,000

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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2023
Est. Completion Date:	2025
Est. Useful Life (in years):	30
Est. Total Cost:	$ 630,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 455,000
% Complete (if underway):	72.2%
Balance to be funded[1]:	$ 175,000

[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	$ 17,500
Materials:	5195106.9760	$ 29,500
Other Contracts:	5195106.9960	$ 128,000
TOTAL PROJECT COST		$ 175,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	300,000	16,180	283,820	$ -	175,000	-	-	-	-	$ 175,000
CAPITAL RESERVES	155,000	-	155,000	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 455,000	$ 16,180	$ 438,820	$ -	$ 175,000	$ -	$ -	$ -	$ -	$ 175,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

E2303: Underground Cable Replacement
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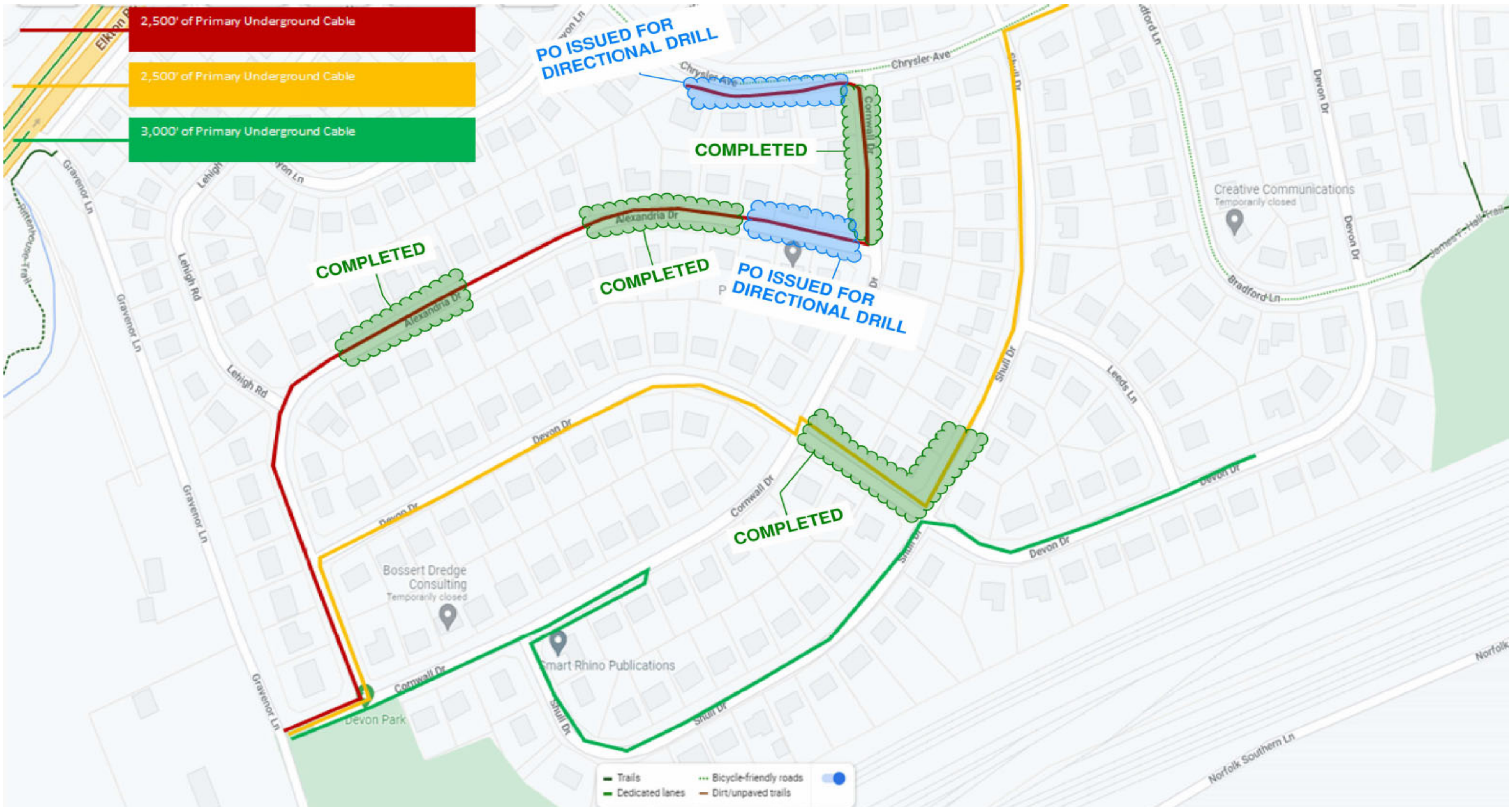

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2304

PROJECT TITLE: Meter Replacement

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ 100,000	$ 100,000	$ 100,000	$ -	$ 300,000
*Prior Authorized Balance:	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
2025-2029 Funding:	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ -	$ 400,000

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:	$ 500,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 100,000
% Complete (if underway):	20.0%
Balance to be funded[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:	5195106.9860	$ 28,800
Materials:	5195106.9760	$ 371,200
Other Contracts:		$ -
TOTAL PROJECT COST		$ 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 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 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	-	100,000	$ -	-	100,000	100,000	100,000	-	$ 300,000
CAPITAL RESERVES	100,000	-	-	$ 100,000	100,000	-	-	-	-	$ 100,000
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 200,000	$ -	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ -	$ 400,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2306

PROJECT TITLE: Transformer #76 Purchase

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2023
Est. Completion Date:	2024
Est. Useful Life (in years):	40
Est. Total Cost:	$ 1,308,091
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 1,308,091
% 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:		$ -
Materials:		$ -
Other Contracts:		$ -
TOTAL PROJECT COST		$ -

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	200,000	-	200,000	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER Rate Stab. Reserve & Ins. Settlement	796,326	-	796,326	$ -	-	-	-	-	-	$ -
TOTAL:	$ 996,326	$ -	$ 996,326	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2202

PROJECT TITLE: Electric Warehouse

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ -	$ -	$ -	$ -	$ -	$ -

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

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

§ 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 @ 12/31/2024 (if underway)[1]:	$ 1,600,000
% Complete (if underway):	100.0%
Balance to be funded[1]:	$ -

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

PROJECT COST BY CATEGORY

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

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:		Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES		-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES		586,163	-	586,163	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT		-	-	-	$ -	-	-	-	-	-	$ -
GRANTS	Bond Bill/CRF	969,541	-	969,541	$ -	-	-	-	-	-	$ -
BOND ISSUES		-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN		-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT		-	-	-	$ -	-	-	-	-	-	$ -
OTHER	(SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:		$ 1,555,704	$ -	$ 1,555,704	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

E2202: Electric Warehouse
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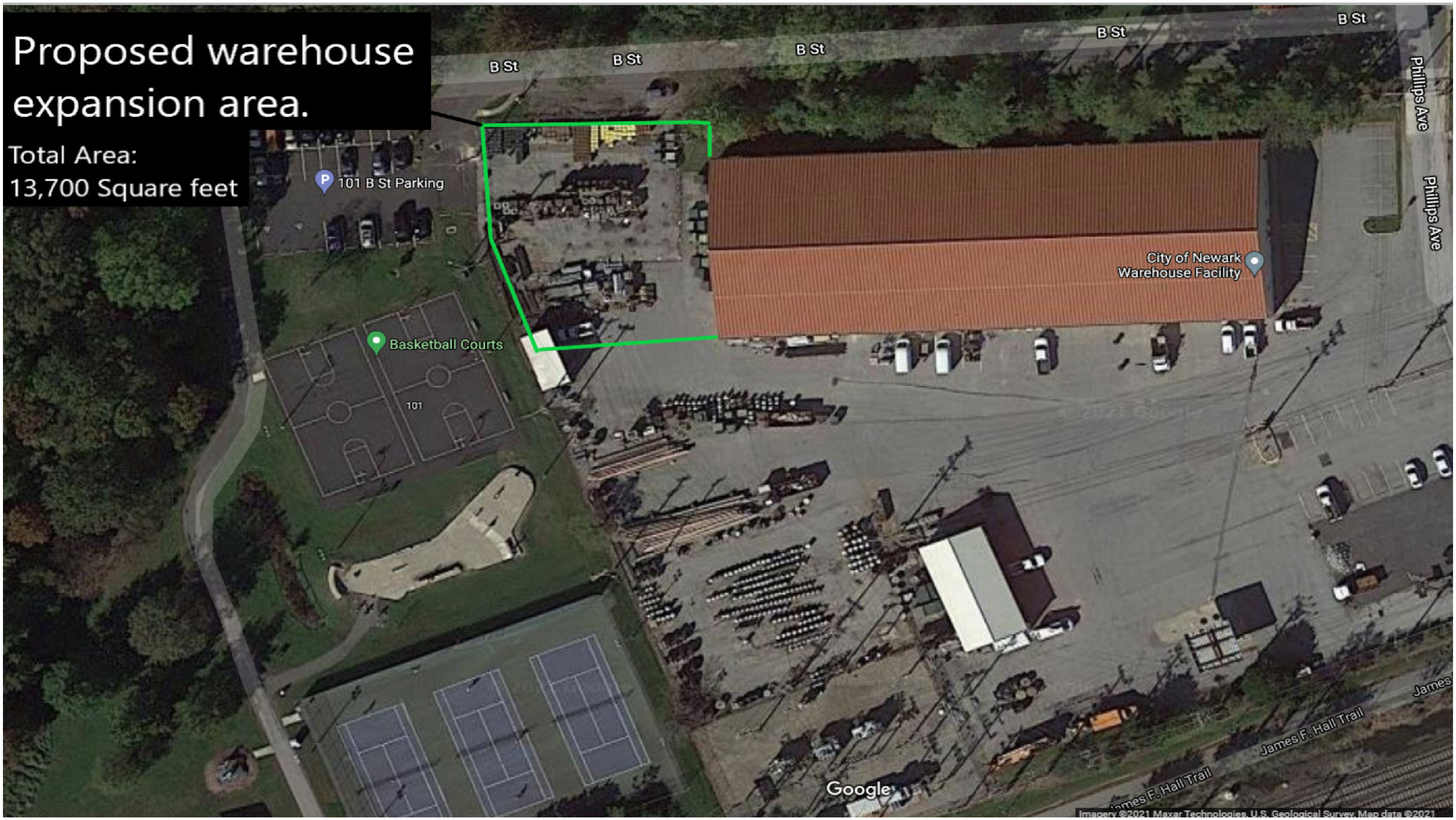


*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2001

PROJECT TITLE: City Electric Vehicle Charging Station Installation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ 385,244	$ -	$ -	$ -	$ -	$ 385,244
2025-2029 Funding:	$ 385,244	$ -	$ -	$ -	$ -	$ 385,244

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:	2025
Est. Useful Life (in years):	7
Est. Total Cost:	$ 775,199
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 389,955
% Complete (if underway):	50.3%
Balance to be funded[1]:	$ 385,244

[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	$ 126,577
Materials:	5195106.9760	$ 258,667
Other Contracts:		$ -
TOTAL PROJECT COST		$ 385,244

[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

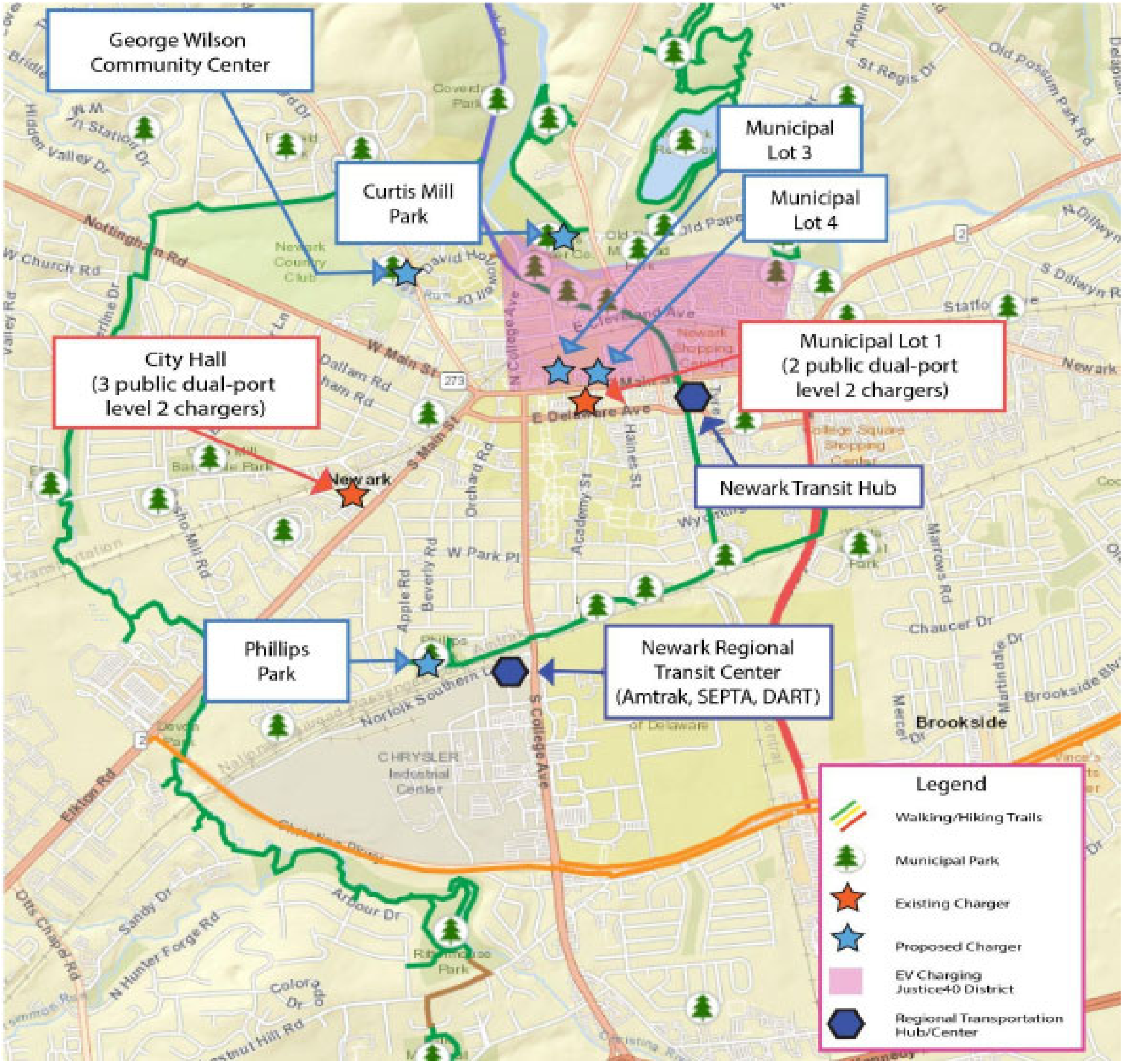
***Please be advised this project, E2001 - City Hall - Electric Vehicle Charging Station Wiring, was previously listed under Facilities Maintenance Division as project N2001. This project was transferred and renamed to align with the updated Department.**

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	(77,187)	-	-	$ (77,187)	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS DESEU Grants 2023/CFI	487,686	25,255	-	$ 462,431	385,244	-	-	-	-	$ 385,244
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 410,499	$ 25,255	$ -	$ 385,244	$ 385,244	$ -	$ -	$ -	$ -	$ 385,244

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

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



*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E2002

PROJECT TITLE: New Substation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ 8,000,000	$ 9,000,000	$ -	$ -	$ 17,000,000
*Prior Authorized Balance:	$ 12,000,000	$ 8,000,000	$ -	$ -	$ -	$ 20,000,000
2025-2029 Funding:	$ 12,000,000	$ 16,000,000	$ 9,000,000	$ -	$ -	$ 37,000,000

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:	2027
Est. Useful Life (in years):	50
Est. Total Cost:	$ 37,785,200
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 785,200
% Complete (if underway):	2.1%
Balance to be funded[1]:	$ 37,000,000

[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	$ 37,000,000
TOTAL PROJECT COST		$ 37,000,000

[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.

****Please be advised that Capital Project E1805 is now closed. $370,000 in Prior Authorized Reserves to be transferred in 2024 to E2002 (New Substation).**

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	785,200	69,450	715,750	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER DEMEC	20,000,000	-	-	$ 20,000,000	12,000,000	16,000,000	9,000,000	-	-	$ 37,000,000
TOTAL:	$ 20,785,200	$ 69,450	$ 715,750	$ 20,000,000	$ 12,000,000	$ 16,000,000	$ 9,000,000	$ -	$ -	$ 37,000,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

E2002: New Substation
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*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E1911

PROJECT TITLE: 35kV Line 3402 Capacity Upgrade

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ 400,000	$ 300,000	$ -	$ -	$ 700,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ -	$ 400,000	$ 300,000	$ -	$ -	$ 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:	2027
Est. Useful Life (in years):	30
Est. Total Cost:	$ 700,000
Est. Spend @ 12/31/2024 (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:

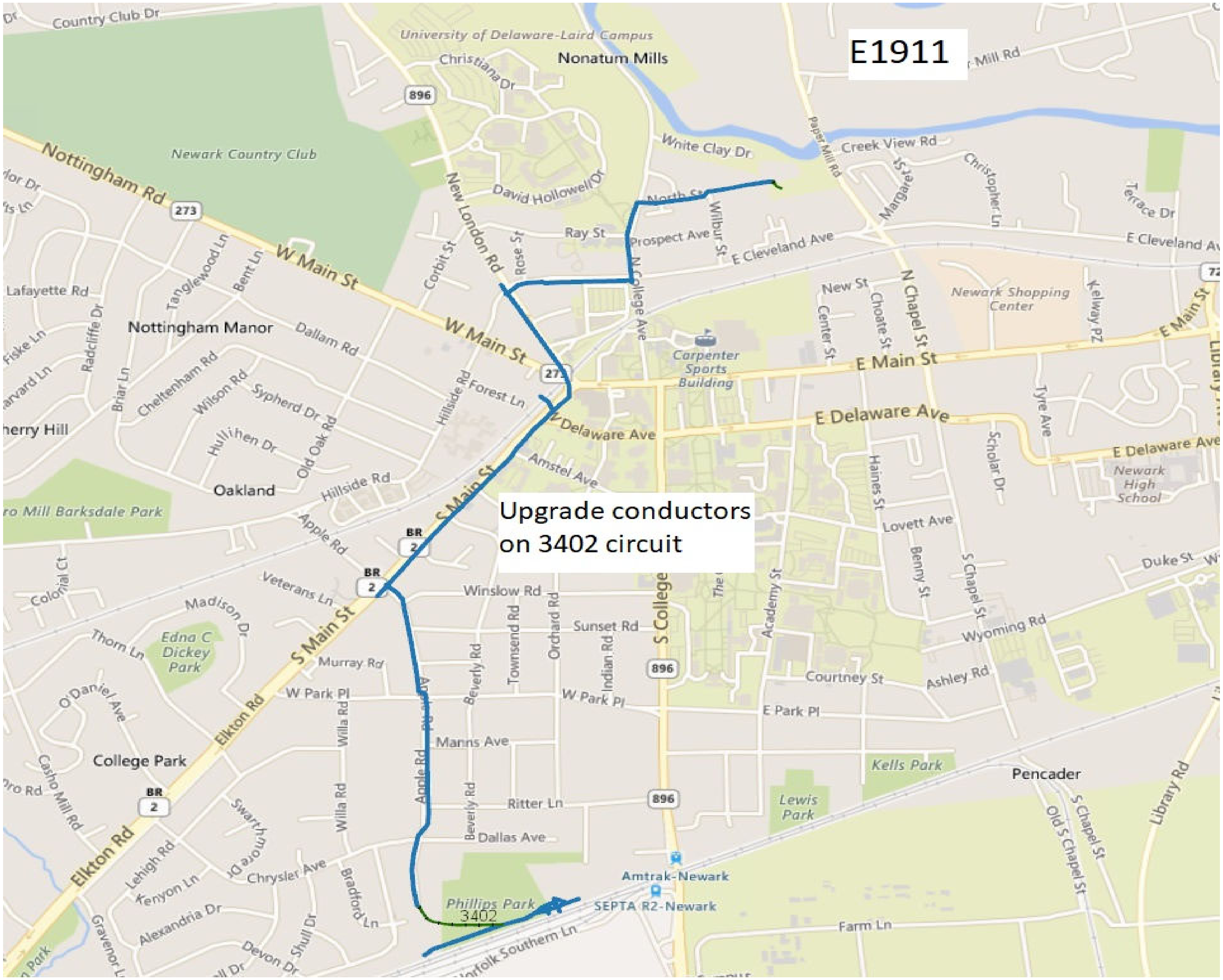
This project will upgrade the 34,000 volt aerial and underground cable to increase capacity and reliable back-up capacity to the Phillips Substation, Chestnut Hill Substation, Sandy Brae Substation and West Main Substation. This upgrade will also allow the City to tie this feeder to the new substation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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS:**	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	-	400,000	300,000	-	-	$ 700,000
CAPITAL RESERVES	-	-	-	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ -	$ -	$ -	$ -	$ -	$ 400,000	$ 300,000	$ -	$ -	$ 700,000

§ 806.1(4) **ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET**	**OPERATING IMPACT:**	**2025**	**2026**	**2027**	**2028**	**2029**	**TOTAL**
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

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



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*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E1912

PROJECT TITLE: 35kV Disconnect Switches Replacement - Kershaw Substation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ -	$ -	$ -	$ -	$ -	$ -

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

§ 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 @ 12/31/2024 (if underway)[1]:	$ 192,583
% Complete (if underway):	100.0%
Balance to be funded[1]:	$ -

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

PROJECT COST BY CATEGORY

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

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	48,425	51,575	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	60,971	-	60,971	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 160,971	$ 48,425	$ 112,546	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E1807

PROJECT TITLE: Relay Replacements - Kershaw Substation

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ 239,735	$ 150,000	$ -	$ -	$ 389,735
*Prior Authorized Balance:	$ 250,000	$ 10,265	$ -	$ -	$ -	$ 260,265
2025-2029 Funding:	$ 250,000	$ 250,000	$ 150,000	$ -	$ -	$ 650,000

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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2018
Est. Completion Date:	2027
Est. Useful Life (in years):	20
Est. Total Cost:	$ 1,202,630
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 292,365
% Complete (if underway):	24.3%
Balance to be funded[1]:	$ 910,265

[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	$ 18,200
Materials:	5195106.9730	$ 383,085
Other Contracts:	5195106.9960	$ 248,715
TOTAL PROJECT COST		$ 650,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	250,000	158,518	91,482	$ -	-	239,735	150,000	-	-	$ 389,735
CAPITAL RESERVES	260,265	-	-	$ 260,265	250,000	10,265	-	-	-	$ 260,265
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 510,265	$ 158,518	$ 91,482	$ 260,265	$ 250,000	$ 250,000	$ 150,000	$ -	$ -	$ 650,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E1810

PROJECT TITLE: Lightning Arrestor Replacement

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ -	$ -	$ -	$ -	$ -	$ -
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ -	$ -	$ -	$ -	$ -	$ -

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 @ 12/31/2024 (if underway)[1]:	$ 200,000
% Complete (if underway):	100.0%
Balance to be funded[1]:	$ -

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

PROJECT COST BY CATEGORY

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

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	100,000	-	100,000	$ -	-	-	-	-	-	$ -
CAPITAL RESERVES	100,000	-	100,000	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	-	-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 200,000	$ -	$ 200,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E1502

PROJECT TITLE: Underground Distribution - UD Star Campus

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 750,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2015
Est. Completion Date:	2029
Est. Useful Life (in years):	30
Est. Total Cost:	$ 1,020,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 270,000
% 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	$ 430,000
Other Contracts:	5195106.9960	$ 270,000
TOTAL PROJECT COST		$ 750,000

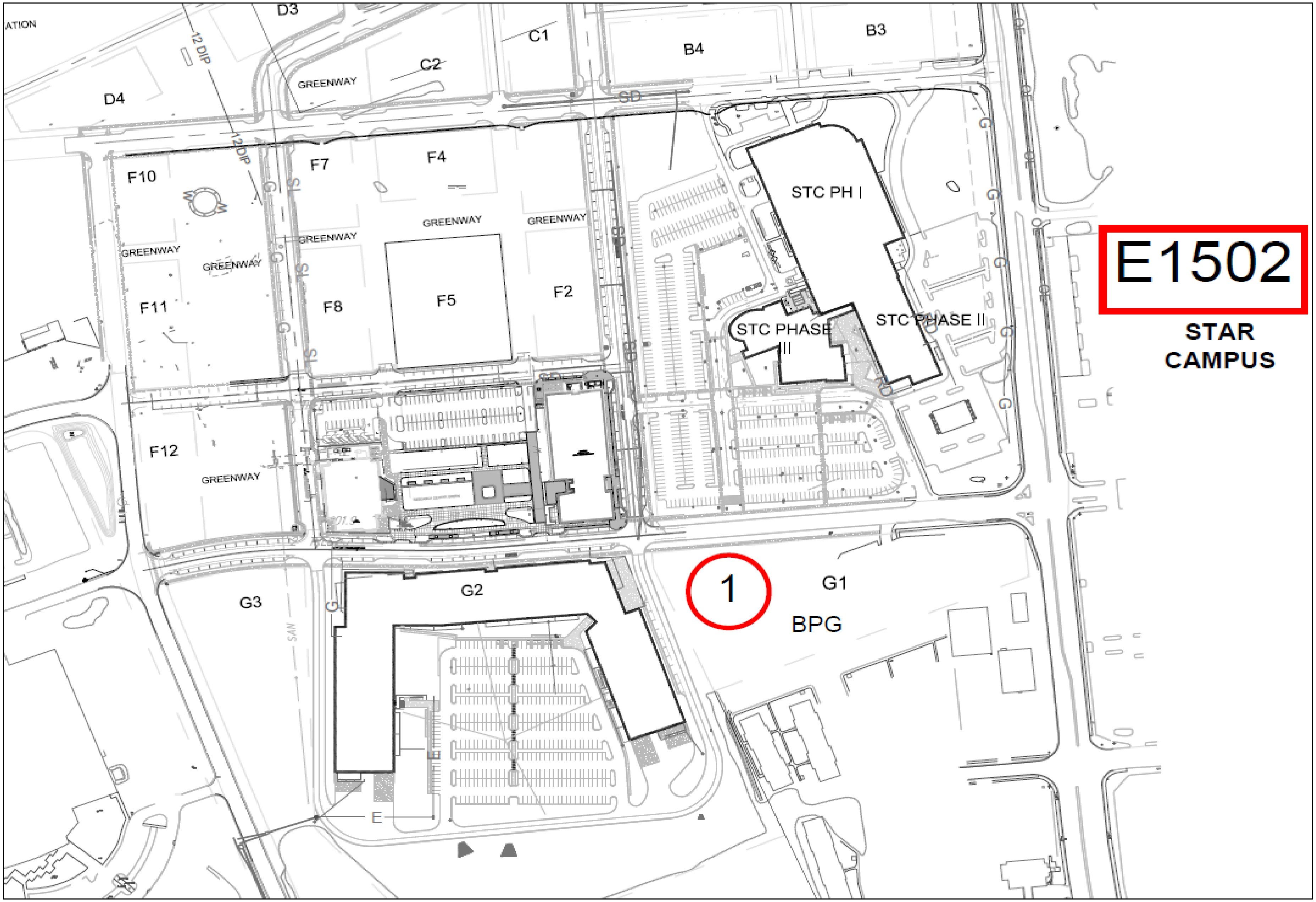
[2] Council is not required to authorize budget year funding for this portion, but this portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	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	150,000	-	150,000	$ -	150,000	150,000	150,000	150,000	150,000	$ 750,000
TOTAL:	$ 150,000	$ -	$ 150,000	$ -	$ 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:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

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



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*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: E0503

PROJECT TITLE: SCADA and Automatic Switching

PROJECT STATUS: In Progress (with end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000

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

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	2005
Est. Completion Date:	2025
Est. Useful Life (in years):	20
Est. Total Cost:	$ 3,137,351
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 2,987,351
% Complete (if underway):	95.2%
Balance to be funded[1]:	$ 150,000

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

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBER	AMOUNT
Labor:		$ -
Materials:		$ -
Other Contracts:	5195106.9960	$ 150,000
TOTAL PROJECT COST		$ 150,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	-	-	-	$ -	150,000	-	-	-	-	$ 150,000
CAPITAL RESERVES	527,949	-	527,949	$ -	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT		-	-	$ -	-	-	-	-	-	$ -
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
TOTAL:	$ 527,949	$ -	$ 527,949	$ -	$ 150,000	$ -	$ -	$ -	$ -	$ 150,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

*Prior Authorized Balance includes 2024 carryover funding only.

PROJECT NO: EEQSF

PROJECT TITLE: Equipment Replacement Program

PROJECT STATUS: Reoccurring (with no end date)

FUNDING SUMMARY:

	2025	2026	2027	2028	2029	Total 5 Year
New Funding:	$ 450,000	$ -	$ 873,000	$ 300,000	$ -	$ 1,623,000
*Prior Authorized Balance:	$ -	$ -	$ -	$ -	$ -	$ -
2025-2029 Funding:	$ 450,000	$ -	$ 873,000	$ 300,000	$ -	$ 1,623,000

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

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).

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program:	Perpetual
Est. Completion Date:	Perpetual
Est. Useful Life (in years):	Various
Est. Total Cost:	$ 1,753,000
Est. Spend @ 12/31/2024 (if underway)[1]:	$ 130,000
% Complete (if underway):	7.4%
Balance to be funded[1]:	$ 1,623,000

[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:	5195106.9623	$ 1,623,000
TOTAL PROJECT COST		$ 1,623,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS:	Prior Authorized[2]	Actual Funds Utilized as of 04/30/24	Estimated Expenditures 04/01/24 - 12/31/24	Estimated Authorized Balance[2] 12/31/24	2025	2026	2027	2028	2029	TOTAL 5 Year CIP
CURRENT RESOURCES	51,974	-	51,974	$ -	77,380	-	452,290	79,356	-	$ 609,026
CAPITAL RESERVES	149,871	-	-	$ 149,871	-	-	-	-	-	$ -
EQUIPMENT REPLACEMENT	418,626	-	78,026	$ 340,600	372,620	-	420,710	220,644	-	$ 1,013,974
GRANTS (SPECIFY)	-	-	-	$ -	-	-	-	-	-	$ -
BOND ISSUES	-	-	-	$ -	-	-	-	-	-	$ -
STATE REVOLVING LOAN	-	-	-	$ -	-	-	-	-	-	$ -
AMERICAN RESCUE PLAN ACT	-	-	-	$ -	-	-	-	-	-	$ -
OTHER (SPECIFY)	19,700	-	-	$ 19,700	-	-	-	-	-	$ -
TOTAL:	$ 640,171	$ -	$ 130,000	$ 510,171	$ 450,000	$ -	$ 873,000	$ 300,000	$ -	$ 1,623,000

§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET	OPERATING IMPACT:	2025	2026	2027	2028	2029	TOTAL
	INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	$ -

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2025 - 2029
ELECTRIC UTILITY

VEHICLE NUMBER	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	EQUIPMENT SINKING FUND BASIS	REPLACEMENT COSTS 2025	2026	2027	2028	2029
	STAFF VEHICLES												
103	2018 Dodge Ram 2500, 4x4 Crew Cab	a.	09/07/18	31,676	5	2024	2024	31,676					
120	2023 Toyota Tacoma		07/26/23	37,522	5	2023	2030	37,522					
121	2023 Volkswagen ID 4		05/30/23	51,986	5	2023	2030	51,986					
	LINE TRUCKS												
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	2022 Freightliner M2-106 Terex		10/02/22	315,567	8	2022	2030	315,567					
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	2024	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	a.	01/14/14	176,500	8	2022	2024	176,500					
147	2015 Ford F750 Bucket Truck	a.	07/31/15	164,100	8	2023	2024	164,100					
	PICK-UPS & VANS												
129	2011 Ford 3/4 Ton Utility Body	a.	07/02/10	27,412	10	2020	2024	27,412					
132	2022 Ford Lightning EV		07/26/23	77,432	5	2022	2030	77,432					
145	2017 Ford F250 Super Duty Utility Body 4x4		08/11/17	37,552	10	2027	2027	37,552			90,000		
	OTHER EQUIPMENT												
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					
118	2004 Int'l 7400 Dump Truck		11/21/03	95,845	10	2004	2030	95,845					
154	2005 Daewoo 5K Forklift	a.	10/14/05	21,450	10	2015	2024	21,450					
155	2008 Komatsu FG45T 10K Forklift	a.	11/30/15	24,900	10	2019	2024	24,900					
TOTAL ELECTRIC UTILITY					**GROSS ACQUISITION COST**				**$ 450,000**	**$ -**	**$ 873,000**	**$ 300,000**	**$ -**
					LESS: USE OF CAPITAL RESERVES				-	-	-	-	
					LESS: USE OF CURRENT RESOURCES				(77,380)	-	(452,290)	(79,356)	
					NET EQUIPMENT SINKING FUND TOTAL				**$ 372,620**	**$ -**	**$ 420,710**	**$ 220,644**	**$ -**

a. This vehicle is scheduled to be replaced in 2024.
b. This vehicle will not be replaced.

ELECTRIC DEPARTMENT

APPENDICES

CITY OF NEWARK, DELAWARE
ELECTRIC DEPARTMENT
APPENDIX A - OBJECT CODE 7131 AND 8131 - (2024 AND 2025 BUDGET COMPARISON)

ELECTRIC DEPARTMENT

Obj.	IT Annual Operating Expense	Renewal	2024 Budget	2025 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	20,845.00	22,000.00	1,155.00	Electric Service Auto Restoration Software
8131	AutoDesk (AEC & Civil 3D) - 2 & 4 licenses - Allocated	Annual	2,720.00	2,883.55	163.55	AutoDesk Civil 3D (autocad) Software Subscription Licenses (Clients and Server)
8131	Bluebeam	Annual	477.00	574.20	97.20	
8131	ChargePoint Cloud	Annual	500.00	500.00	-	
8131	ChargePoint Cloud	Annual	3,435.00	3,435.00	-	
8131	CYME Software Annual Maintenance	Annual - PPE	12,234.10	12,700.00	465.90	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	9,294.17	25,305.00	16,010.83	Smart Meter System - Proactive Oracle Database Maintenance
8131	Harris - Smartworks Silver Services Package	Annual	-	4,200.00	4,200.00	20 Hour package for Support of New Reports, Configuration, etc.
8131	Harris - Smartworks Software Maintenance - Allocated	Annual	21,912.00	16,766.34	(5,145.66)	Smart-Meter System (Middleware)
8131	Harris - NorthStar Annual Maintenance - Allocated	Annual	48,410.82	52,283.67	3,872.85	Utility Billing Software (including Smart-Meter System)
8131	Honeywell Software Maintenance - Connexo Allocated	Annual	16,732.60	17,316.08	583.48	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	Poleforeman & SagLine Software	Annual	1,200.00	2,200.00	1,000.00	Electrical Engineering Utility Weight and Span Software
8131	Scada System Licensing Maintenance (Digitalogic)	Annual	-	7,500.00	7,500.00	Electric SCADA HMI and Device Licenses
8131	Survalent	Annual	31,000.00	33,000.00	2,000.00	Electric SCADA HMI
8131	Tyler Technologies Munis Annual Maintenance - Allocated	Annual	9,960.68	10,458.71	498.03	Tyler Technologies Munis - Finance and Accounting, Taxes, Permitting, Licenses, Work Order Management
8131	Verizon - Annual License Maintenance	Monthly	15,000.00	15,000.00	-	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	3,525.00	3,630.75	105.75	VOIP Phone System
	7131 and 8131 Subtotals:		*238,402.37*	*260,989.30*	*22,586.93*	
			$ 238,402.00	**$ 260,989.00**	**$ 22,587.00**	
	7131 Subtotal:		*5,000.00*	*5,000.00*	*-*	
	8131 Subtotal:		*233,402.00*	*255,989.00*	*22,587.00*	