CAPITAL IMPROVEMENT PROGRAM (CIP)

PROJECT DETAIL

2018-2022

PLANNING COMMISSION
OCTOBER 11, 2017

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CITY MANAGER'S OFFICE
CITY OF NEWARK

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October 4, 2017

TO: Planning Commission Members

VIA: Mary Ellen Gray, Planning and Development Director M E Gray

FROM : Thomas Coleman, Acting City Manager
David Del Grande, Director of Finance DD

RE: Submission of the 2018-2022 Capital Improvement Plan

The first draft of the 2018-2022 Capital Improvement Plan (CIP) for the City of Newark is attached for your review in advance of the October 11, 2017 meeting of the Planning Commission. The City's Charter requires that a listing of all planned capital improvements be submitted to the Mayor and Council on an annual basis. The CIP document is being provided for your review and consideration pursuant to Section 2-89 of the City Code, which requires that the Planning Commission, after considering the advice of the Planning Director, advise City Council on expenditures for capital improvements where such improvements refer to a matter covered by the comprehensive plan.

The CIP document is a planning tool for projects and purchases that have a life expectancy of over six years and/or a cost of more than $20,000, although exceptions to this rule may apply for reasons of funding type or purpose. The CIP document as presented here or as modified during the ongoing budget preparation process will also be presented to Newark's Mayor and Council with the overall operating budget for 2018.

The projects and purchases presented were developed over months of departmental research and prioritization, including numerous administrative budget hearings. The projects represent the recommendations of our department directors and our financial and administrative staff. Additionally, it is deemed that the projects and purchases are of a level that we can achieve and that are in the best interest of our community. On each detail sheet, it is noted how the respective project aligns with the City's Comprehensive Plan vision elements, provides code references for certain required projects, and provides the estimated operating impact resulting from the project, if applicable. The 2018 CIP budget was cut significantly from prior years and shows a significant amount of debt financing. It is our intent to restore some of the project funding for infrastructure projects pending Council discussion on bond financing, which will allow us to align long-term project costs with their expected useful lives.

Your review of this document is sincerely appreciated, and we look forward to presenting the highlights and answering any questions you have on the evening of October 11, 2017. In an effort to maximize efficiencies, save money, and "be green," this document is being provided electronically only and will be posted to the City's website for reference. If you prefer a bound copy, please reply and we will construct and deliver a hard copy to you.

Attachments

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY
2018 -2022

FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM (with current year amended budget)

	AMENDED BUDGET 2017	|----------------2018----------------| RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS 2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
ELECTRIC FUND	$ 1,765,500	$ 881,500	$ 825,000	$ 1,706,500	$ 1,383,500	$ 697,000	$ 360,000	$ 580,000	$ 4,727,000
WATER FUND	3,058,880	3,953,500	-	3,953,500	1,948,000	2,433,000	3,974,000	1,224,000	13,532,500
SEWER FUND	593,675	1,336,701	-	1,336,701	800,000	1,000,000	800,000	800,000	4,736,701
STORMWATER FUND	450,000	3,358,000	420,000	3,778,000	3,942,375	503,050	576,203	550,513	9,350,141
PUBLIC WORKS-GENERAL FUND	2,438,000	1,655,671	-	1,655,671	2,215,150	1,781,395	2,289,736	1,898,178	9,840,130
POLICE DEPARTMENT	336,818	325,492	-	325,492	479,798	64,149	153,485	89,420	1,112,344
PARKS & RECREATION DEPARTMENT	426,000	1,004,000	-	1,004,000	1,470,000	552,000	1,218,000	948,000	5,192,000
PARKING FUND	131,740	248,490	-	248,490	21,000	28,000	105,000	-	402,490
INFORMATION TECHNOLOGY DIVISION	65,000	82,500	120,000	202,500	252,500	332,500	32,500	-	820,000
PUBLIC WORKS-MAINTENANCE FUND	372,549	422,549	30,000	452,549	414,000	25,000	-	-	891,549
OTHER DEPARTMENTS	50,000	52,000	-	52,000	70,000	25,000	25,000	-	172,000
	$ 9,688,162	$ 13,320,403	$ 1,395,000	$ 14,715,403	$ 12,996,323	$ 7,441,094	$ 9,533,924	$ 6,090,111	$ 50,776,855

PLANNED FINANCING SOURCES

	AMENDED BUDGET 2017	RESERVES & OTHER FUNDING	CURRENT FUNDING	2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
GROSS CAPITAL IMPROVEMENTS	$ 9,688,162	$ 13,320,403	$ 1,395,000	$ 14,715,403	$ 12,996,323	$ 7,441,094	$ 9,533,924	$ 6,090,111	$ 50,776,855
LESS: USE OF RESERVES	(3,635,844)	(1,931,500)	-	(1,931,500)	(45,000)	-	-	-	(1,976,500)
VEHICLE & EQUIPMENT REPLACEMENT	(1,172,318)	(1,017,492)	-	(1,017,492)	(1,899,673)	(791,149)	(761,485)	(239,420)	(4,709,219)
GRANTS	(745,000)	(1,504,721)	-	(1,504,721)	(876,671)	(666,671)	(566,671)	(516,671)	(4,131,405)
BOND ISSUES	-	(937,690)	-	(937,690)	(462,500)	(494,500)	(352,500)	(238,000)	(2,485,190)
OTHER FINANCING SOURCES	-	(7,929,000)	-	(7,929,000)	(4,970,000)	(1,970,000)	(3,050,000)	(950,000)	(18,869,000)
NET CAPITAL IMPROVEMENTS	$ 4,135,000	$ -	$ 1,395,000	$ 1,395,000	$ 4,742,479	$ 3,518,774	$ 4,803,268	$ 4,146,020	$ 18,605,541

*Please refer to the Version Control Appendix which starts on Page Number 128 to review changes that have been made to this sheet after the initial release of October 5,2017.

CITY OF NEWARK, DELAWARE
SUMMARY OF VEHICLE AND EQUIPMENT REPLACEMENT PROGRAM SCHEDULE
CAPITAL PROGRAM YEARS 2018 - 2022

	REPLACEMENT COSTS					
VEHICLES BY DEPT/DIVISION	2018	2019	2020	2021	2022	TOTAL
ELECTRIC	$ 340,000	$ 400,500	$ 302,000	$ -	$ -	$ 1,042,500
PWWR - WATER DIVISION	-	20,000	230,000	75,000	-	325,000
PWWR - STORMWATER DIVISION	18,000	161,375	-	-	-	179,375
PWWR - REFUSE DIVISION	-	220,000	-	480,000	-	700,000
PWWR - STREET DIVISION	190,000	175,000	-	-	60,000	425,000
PWWR - ENGINEERING DIVISION	-	67,000	-	-	-	67,000
POLICE	184,000	445,000	30,000	96,000	50,000	805,000
PARKS	62,000	245,000	25,000	28,000	90,000	450,000
PARKING	-	21,000	28,000	-	-	49,000
PWWR - FLEET MAINTENANCE	-	40,000	-	-	-	40,000
FACILITIES MAINTENANCE	30,000	-	-	-	-	30,000
OTHER DEPARTMENTS	52,000	70,000	25,000	25,000	-	172,000
SUB-TOTAL FOR VEHICLES	$ 876,000	$ 1,864,875	$ 640,000	$ 704,000	$ 200,000	$ 4,284,875
EQUIPMENT BY DEPT/DIVISION						
POLICE	141,492	34,798	34,149	57,485	39,420	307,344
INFORMATION TECHNOLOGY	-	-	117,000	-	-	117,000
SUB-TOTAL FOR EQUIPMENT	$ 141,492	$ 34,798	$ 151,149	$ 57,485	$ 39,420	$ 424,344
TOTAL REPLACEMENT PROGRAM	$ 1,017,492	$ 1,899,673	$ 791,149	$ 761,485	$ 239,420	$ 4,709,219

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
FIVE YEAR PROPOSED SUMMARY BY FUND - GOVERNMENTAL FUNDS (with current year amended budget)

	AMENDED BUDGET 2017	|----------------2018----------------| RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS 2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
COMMUNITY DEVELOPMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 30,000	$ 25,000	$ -	$ 25,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 145,000
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(30,000)	(25,000)	-	(25,000)	(30,000)	(30,000)	(30,000)	(30,000)	(145,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LAW ENFORCEMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PARKS SPECIAL REVENUE FUND:									
GROSS CAPITAL IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
CAPITAL PROJECTS FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 4,746,902	$ 3,094,663	$ 120,000	$ 3,214,663	$ 4,457,448	$ 2,725,044	$ 3,688,721	$ 2,905,598	$ 16,991,474
LESS: USE OF RESERVES	(741,319)	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	(1,652,788)	(629,492)	-	(629,492)	(1,256,798)	(231,149)	(686,485)	(239,420)	(3,043,344)
GRANTS	(1,035,000)	(1,347,221)	-	(1,347,221)	(726,671)	(486,671)	(486,671)	(486,671)	(3,533,905)
BOND ISSUES	-	(263,950)	-	(263,950)	(237,500)	(494,500)	(352,500)	(238,000)	(1,586,450)
OTHER FINANCING SOURCES	-	(854,000)	-	(854,000)	(450,000)	(150,000)	(150,000)	(150,000)	(1,754,000)
NET CAPITAL IMPROVEMENTS	$ 1,317,795	$ -	$ 120,000	$ 120,000	$ 1,786,479	$ 1,362,724	$ 2,013,065	$ 1,791,507	$ 7,073,775

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
FIVE YEAR PROPOSED SUMMARY BY FUND - ENTERPRISE FUNDS (with current year amended budget)

	AMENDED BUDGET 2017	|----------------2018----------------| RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS 2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
ELECTRIC UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 2,314,419	$ 881,500	$ 825,000	$ 1,706,500	$ 1,383,500	$ 697,000	$ 360,000	$ 580,000	$ 4,727,000
LESS: USE OF RESERVES	(91,660)	(40,500)	-	(40,500)	-	-	-	-	(40,500)
VEHICLE & EQUIPMENT REPLACEMENT	(360,000)	(340,000)	-	(340,000)	(400,500)	(302,000)	-	-	(1,042,500)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	(381,000)	-	(381,000)	-	-	-	-	(381,000)
OTHER FINANCING SOURCES	(459,759)	(120,000)	-	(120,000)	(120,000)	(120,000)	-	-	(360,000)
NET CAPITAL IMPROVEMENTS	$ 1,403,000	$ -	$ 825,000	$ 825,000	$ 863,000	$ 275,000	$ 360,000	$ 580,000	$ 2,903,000
WATER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 3,676,552	$ 3,953,500	$ -	$ 3,953,500	$ 1,948,000	$ 2,433,000	$ 3,974,000	$ 1,224,000	$ 13,532,500
LESS: USE OF RESERVES	(1,265,945)	(771,000)	-	(771,000)	(5,000)	-	-	-	(776,000)
VEHICLE & EQUIPMENT REPLACEMENT	(275,000)	-	-	-	(20,000)	(230,000)	(75,000)	-	(325,000)
GRANTS	-	(82,500)	-	(82,500)	(70,000)	(150,000)	-	-	(302,500)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	(3,100,000)	-	(3,100,000)	(350,000)	(700,000)	(2,100,000)	-	(6,250,000)
NET CAPITAL IMPROVEMENTS	$ 2,135,607	$ -	$ -	$ -	$ 1,503,000	$ 1,353,000	$ 1,799,000	$ 1,224,000	$ 5,879,000
SEWER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 1,222,500	$ 1,336,701	$ -	$ 1,336,701	$ 800,000	$ 1,000,000	$ 800,000	$ 800,000	$ 4,736,701
LESS: USE OF RESERVES	(871,134)	(836,701)	-	(836,701)	-	-	-	-	(836,701)
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(50,000)	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	(500,000)	-	(500,000)	(800,000)	(1,000,000)	(800,000)	(800,000)	(3,900,000)
NET CAPITAL IMPROVEMENTS	$ 301,366	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
STORMWATER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	$ -	$ 3,358,000	$ 420,000	$ 3,778,000	$ 3,942,375	$ 503,050	$ 576,203	$ 550,513	$ 9,350,141
LESS: USE OF RESERVES	-	(40,000)	-	(40,000)	(40,000)	-	-	-	(80,000)
VEHICLE & EQUIPMENT REPLACEMENT	-	(18,000)	-	(18,000)	(161,375)	-	-	-	(179,375)
GRANTS	-	(50,000)	-	(50,000)	(50,000)	-	(50,000)	-	(150,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER (STORM WATER FEE)	-	(3,250,000)	-	(3,250,000)	(3,250,000)	-	-	-	(6,500,000)
NET CAPITAL IMPROVEMENTS	$ -	$ -	$ 420,000	$ 420,000	$ 441,000	$ 503,050	$ 526,203	$ 550,513	$ 2,440,766

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
FIVE YEAR PROPOSED SUMMARY BY FUND - ENTERPRISE AND OTHER FUNDS (with current year amended budget)

	AMENDED BUDGET 2017	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	PROPOSED BUDGETS 2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
PARKING FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 274,078	$ 248,490	$ -	$ 248,490	$ 21,000	$ 28,000	$ 105,000	$ -	$ 402,490
LESS: USE OF RESERVES	(181,578)	(120,750)	-	(120,750)	-	-	-	-	(120,750)
VEHICLE & EQUIPMENT REPLACEMENT	(27,500)	-	-	-	(21,000)	(28,000)	-	-	(49,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	(127,740)	-	(127,740)	-	-	-	-	(127,740)
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	$ 65,000	$ -	$ -	$ -	$ -	$ -	$ 105,000	$ -	$ 105,000
MAINTENANCE FUND:									
GROSS CAPITAL IMPROVEMENTS	$ 350,000	$ 422,549	$ 30,000	$ 452,549	$ 414,000	$ 25,000	$ -	$ -	$ 891,549
LESS: USE OF RESERVES	(221,647)	(122,549)	-	(122,549)	-	-	-	-	(122,549)
VEHICLE & EQUIPMENT REPLACEMENT	-	(30,000)	-	(30,000)	(40,000)	-	-	-	(70,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	(165,000)	-	(165,000)	(225,000)	-	-	-	(390,000)
OTHER FINANCING SOURCES	-	(105,000)	-	(105,000)	-	-	-	-	(105,000)
NET CAPITAL IMPROVEMENTS	$ 128,353	$ -	$ 30,000	$ 30,000	$ 149,000	$ 25,000	$ -	$ -	$ 204,000

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
FIVE YEAR SUMMARY BY FUND - TOTAL OF ALL FUNDS (with current year amended budget)

	AMENDED BUDGET 2017	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	PROPOSED BUDGETS 2018	2019	2020	2021	2022	TOTAL PROPOSED AMOUNTS
TOTAL CAPITAL IMPROVEMENTS:									
GROSS CAPITAL IMPROVEMENTS	$ 12,614,451	$ 9,962,403	$ 975,000	$ 14,715,403	$ 12,996,323	$ 7,441,094	$ 9,533,924	$ 6,090,111	$ 50,776,855
LESS: USE OF RESERVES	(3,373,283)	(1,931,500)	-	(1,931,500)	(45,000)	-	-	-	(1,976,500)
VEHICLE & EQUIPMENT REPLACEMENT	(2,315,288)	(999,492)	-	(1,017,492)	(1,899,673)	(791,149)	(761,485)	(239,420)	(4,709,219)
GRANTS	(1,115,000)	(1,504,721)	-	(1,504,721)	(876,671)	(666,671)	(566,671)	(516,671)	(4,131,405)
BOND ISSUES	-	(937,690)	-	(937,690)	(462,500)	(494,500)	(352,500)	(238,000)	(2,485,190)
OTHER FINANCING SOURCES	(459,759)	(4,679,000)	-	(7,929,000)	(4,970,000)	(1,970,000)	(3,050,000)	(950,000)	(18,869,000)
NET CAPITAL IMPROVEMENTS	$ 5,351,121	$ (90,000)	$ 975,000	$ 1,395,000	$ 4,742,479	$ 3,518,774	$ 4,803,268	$ 4,146,020	$ 18,605,541

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY BY FUNCTION
FOR THE FISCAL YEAR 2018

TOTAL PROJECT COSTS

DEPARTMENT/DIVISION	COMMUNITY DEVELOPMENT FUND	CAPITAL PROJECTS FUND	ELECTRIC FUND	WATER FUND	SEWER FUND	STORMWATER FUND	PARKING FUND	MAINTENANCE FUND	TOTAL
GENERAL GOV'T-FINANCE DEPARTMENT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
GENERAL GOV'T-ADMINISTRATIVE DEPARTMENT	-	-	-	-	-	-	-	-	-
GENERAL GOV'T-ADMINISTRATIVE IT DIVISION	-	202,500	-	-	-	-	-	-	202,500
GENERAL GOV'T-LEGISLATIVE DEPARTMENT	-	-	-	-	-	-	-	-	-
PUBLIC SAFETY-CODE ENFORCEMENT DIVISION	-	52,000	-	-	-	-	-	-	52,000
PUBLIC SAFETY-POLICE DEPARTMENT	-	325,492	-	-	-	-	-	-	325,492
PUBLIC WORKS-REFUSE DIVISION	-	-	-	-	-	-	-	-	-
PUBLIC WORKS-STREET DIVISION	25,000	1,630,671	-	-	-	-	-	-	1,655,671
PUBLIC WORKS-ENGINEERING DIVISION	-	-	-	-	-	-	-	-	-
CULTURE & RECREATION-PARKS DEPARTMENT	-	1,004,000	-	-	-	-	-	-	1,004,000
ELECTRIC FUND	-	-	1,706,500	-	-	-	-	-	1,706,500
WATER FUND	-	-	-	3,953,500	-	-	-	-	3,953,500
SEWER FUND	-	-	-	-	1,336,701	-	-	-	1,336,701
STORMWATER FUND	-	-	-	-	-	3,778,000	-	-	3,778,000
PARKING FUND	-	-	-	-	-	-	248,490	-	248,490
MAINTENANCE FUND-FLEET MANAGEMENT	-	-	-	-	-	-	-	124,549	124,549
MAINTENANCE FUND-FACILITIES MANAGEMENT	-	-	-	-	-	-	-	328,000	328,000
	$ 25,000	$ 3,214,663	$ 1,706,500	$ 3,953,500	$ 1,336,701	$ 3,778,000	$ 248,490	$ 452,549	$ 14,715,403

PLANNED FINANCING SOURCES

	COMMUNITY DEVELOPMENT FUND	CAPITAL PROJECTS FUND	ELECTRIC FUND	WATER FUND	SEWER FUND	STORMWATER FUND	PARKING FUND	MAINTENANCE FUND	TOTAL
GROSS CAPITAL IMPROVEMENTS	$ 25,000	$ 3,214,663	$ 1,706,500	$ 3,953,500	$ 1,336,701	$ 3,778,000	$ 248,490	$ 452,549	$ 14,715,403
LESS: USE OF RESERVES	-	-	-	(771,000)	(836,701)	(40,000)	(120,750)	(122,549)	(1,891,000)
VEHICLE & EQUIPMENT REPLACEMENT	-	(629,492)	(340,000)	-	-	(18,000)	-	(30,000)	(1,017,492)
GRANTS	(25,000)	(1,347,221)	-	(82,500)	-	(50,000)	-	-	(1,504,721)
BOND ISSUES	-	(263,950)	(381,000)	-	-	-	(127,740)	(165,000)	(937,690)
OTHER FINANCING SOURCES	-	(854,000)	(120,000)	(3,100,000)	(500,000)	(3,250,000)	-	(105,000)	(7,929,000)
NET CAPITAL IMPROVEMENTS	$ -	$ 120,000	$ 865,500	$ -	$ -	$ 420,000	$ -	$ 30,000	$ 1,435,500

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
ELECTRIC FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	|----2018----| RESERVES & OTHER FUNDING	CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
E1801	New Lines and Services	D	$0	$0	$125,000	125,000	125,000	125,000	125,000	125,000	625,000
E1804	Spacer Cable Replacement	D	0	81,000	0	81,000	0	0	0	0	81,000
E1805	Line Extension UD Farm	D	0	0	0	0	170,000	0	0	0	170,000
E1806	Christianstead Underground Primary Cable Addition	D	0	0	0	0	50,000	0	0	0	50,000
E1807	Relay replacement and SCADA additions Kershaw Subst	D	0	0	0	0	40,000	0	0	0	40,000
E1808	Aerial Line voltage upgrade North College Ave	D	0	0	0	0	0	50,000	0	0	50,000
E1809	Line Extension Christina Parkway and Park Drive	D	0	0	0	0	0	100,000	0	0	100,000
E1810	Lightning arrestor replacement	D	0	0	0	0	0	0	235,000	0	235,000
E1701	New Lines & Services	D	125,000	0	0	0	0	0	0	0	0
E1702	Reconductor-Main Street	D	85,000	0	0	0	0	0	0	0	0
E1602	Circuit Breaker Replacement	D	0	0	0	0	65,000	0	0	0	65,000
E1502	Star Campus Underground Distribution	D	0	120,000	0	120,000	120,000	120,000	0	0	360,000
E1203	CAD Software	D	0	40,500	0	40,500	0	0	0	0	40,500
E1105	New Transformers & Circuit Breakers	D	653,000	0	700,000	700,000	0	0	0	0	700,000
E0903	12KV Changeover	A	43,000	0	0	0	0	0	0	0	0
E0503	SCADA & Automatic Switching	D	816,000	300,000	0	300,000	413,000	0	0	455,000	1,168,000
EEQSF	Vehicle Replacement Program	D	43,500	340,000	0	340,000	400,500	302,000	0	0	1,042,500
	Total Electric Fund		$1,765,500	$881,500	$825,000	$1,706,500	$1,383,500	$697,000	$360,000	$580,000	$4,727,000
	GROSS CAPITAL IMPROVEMENTS		$1,765,500	$881,500	$825,000	$1,706,500	$1,383,500	$697,000	$360,000	$580,000	$4,727,000
	LESS: USE OF RESERVES		0	(40,500)	0	(40,500)	0	0	0	0	(40,500)
	VEHICLE/EQUIPMENT REPLACEMENT		(43,500)	(340,000)	0	(340,000)	(400,500)	(302,000)	0	0	(1,042,500)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	(381,000)	0	(381,000)	0	0	0	0	(381,000)
	OTHER FINANCING SOURCES		0	(120,000)	0	(120,000)	(120,000)	(120,000)	0	0	(360,000)
	NET CAPITAL IMPROVEMENTS		$1,722,000	$0	$825,000	$825,000	$863,000	$275,000	$360,000	$580,000	$2,903,000

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric
PROJECT NO: E1801	PROJECT TITLE: NEW LINES AND SERVICES	PROJECT LOCATION: VARIOUS LOCATIONS IN THE CITY	
PROJECT STATUS (SELECT FROM DROP DOWN):		**In Prior Program**	
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

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	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	625,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	625,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor	5195106.9860	$ 287,500
Materials	5195106.9760	$ 337,500
Other Contracts		
Total Project Cost		$ 625,000

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

PROJECT FINANCING BY PLAN YEAR

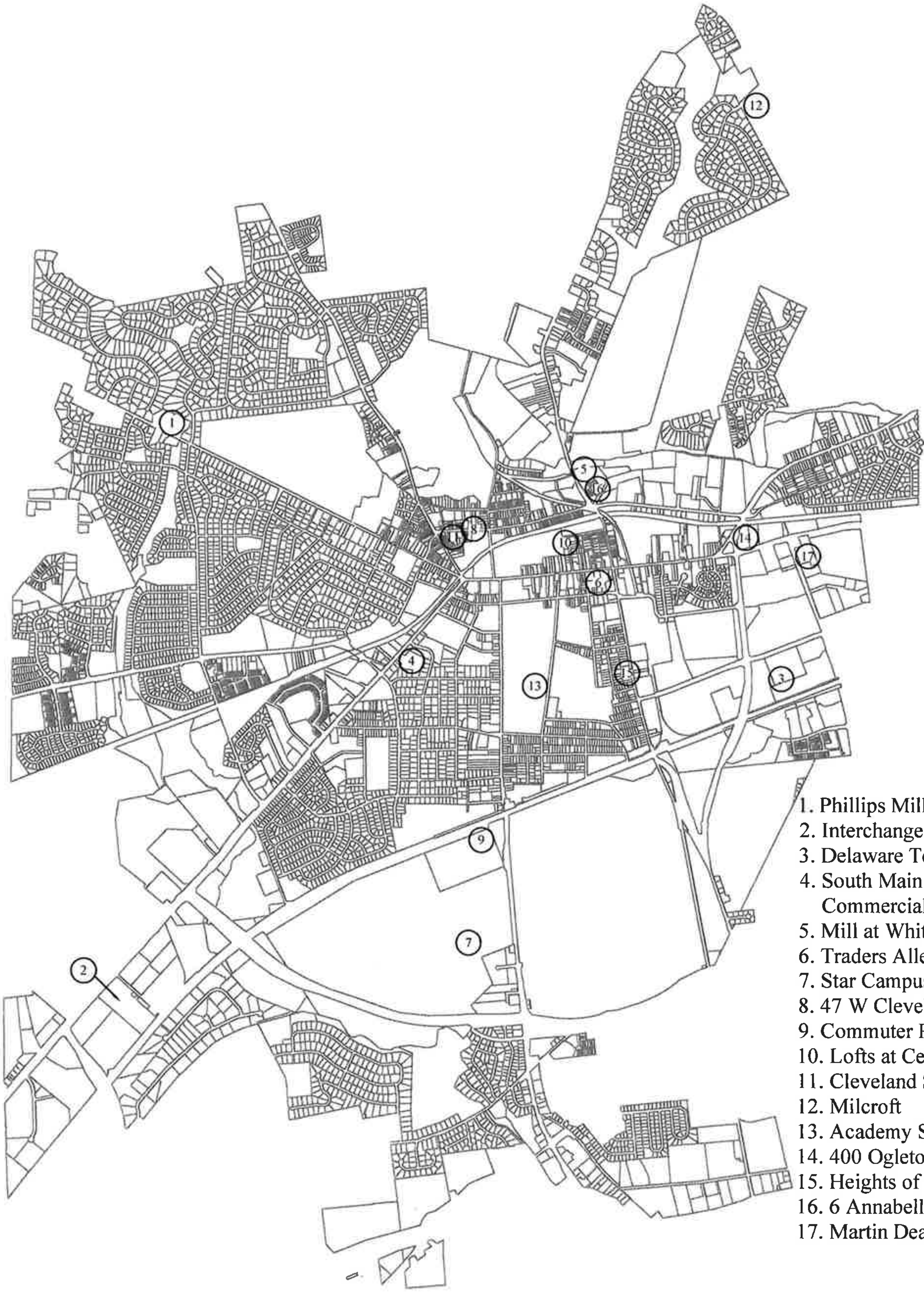
§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES		125,000	125,000	125,000	125,000	125,000	625,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**125,000**	**125,000**	**125,000**	**125,000**	**125,000**	**625,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

E 1801



1. Phillips Mill
2. Interchange Industrial Park Phase III
3. Delaware Technology Park
4. South Main Plaza/Chimney Ridge Commercial
5. Mill at White Clay
6. Traders Alley
7. Star Campus
8. 47 W Cleveland Ave.
9. Commuter Rail Station
10. Lofts at Center Street
11. Cleveland Station
12. Milcroft
13. Academy St. Dorms
14. 400 Ogletown
15. Heights of S Chapel
16. 6 Annabella St
17. Martin Dealership

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1804	SPACER CABLE REPLACEMENT	ALONG RAILROAD TRACKS FROM APPLE ROAD TO FOREST LANE

PROJECT STATUS (SELECT FROM DROP DOWN): **New Project**

PRIORITY: 2 - High Priority Level — Critical need to remediate failing service, prevent failure, or generate savings

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

This project will replace the 12,470 volt aerial circuit along the railroad from Apple Road to Forest Lane. The aerial cable is a bundled type of spacer cable which means the wires are installed in close proximity to each other. This cable has many cracks in it and has burned down several times. It is proposed to replace the existing spacer cable with flat crossarm construction.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	81,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	81,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 60,800
Materials		$ 20,200
Other Contracts		
Total Project Cost		$ 81,000

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

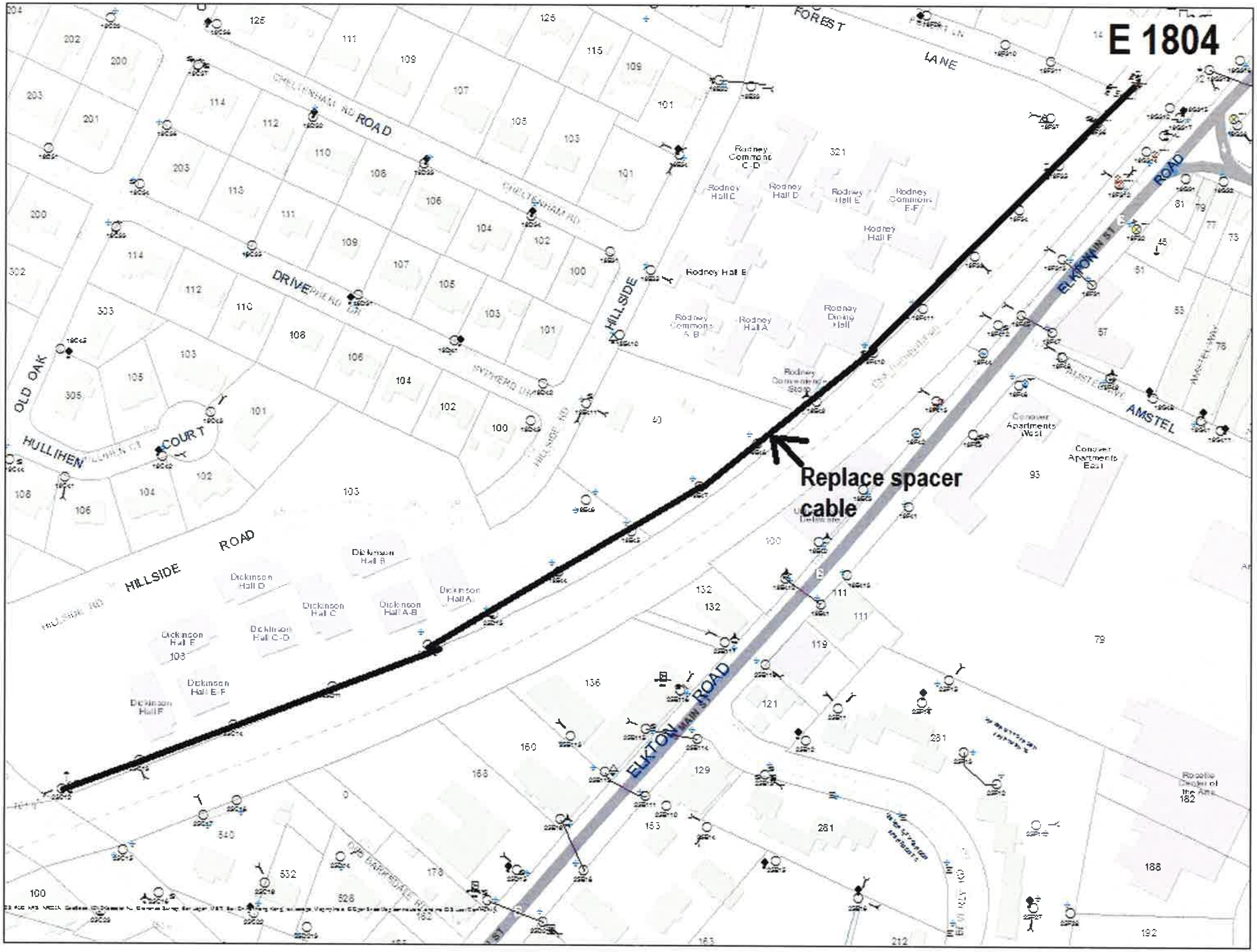
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		81,000					81,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	81,000	-	-	-	-	81,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						


E 1804
Replace spacer cable
FOREST LANE
CHELTENHAM ROAD
DRIVE
HILLSIDE
OLD OAK
HULLIHEN COURT
HILLSIDE ROAD
ELKTON ROAD
AMSTEL
Rodney Hall E
Rodney Commons C-D
Rodney Hall C
Rodney Hall D
Rodney Hall E
Rodney Commons E-F
Rodney Hall F
Rodney Commons A-B
Rodney Hall A
Rodney Dining Hall
Dickinson Hall B
Dickinson Hall D
Dickinson Hall C
Dickinson Hall A-B
Dickinson Hall A
Dickinson Hall C-D
Dickinson Hall E
Dickinson Hall E-F
Dickinson Hall F
Conover Apartments West
Conover Apartments East

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1805	LINE EXTENSION - UD FARM	UNIVERSITY OF DELAWARE FARM

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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

To ensure capacity and reliable back-up capacity to the Star Campus, the University of Delaware South Campus and City customers on South College Avenue, it is proposed to install a new 12,470 volt circuit from Old South Chapel Street to South College Avenue through the University of Delaware Farm. This project is based on approval from the University of Delaware.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2019
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	170,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	170,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 80,000
Materials		$ 65,000
Other Contracts		$ 25,000
Total Project Cost		$ 170,000

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

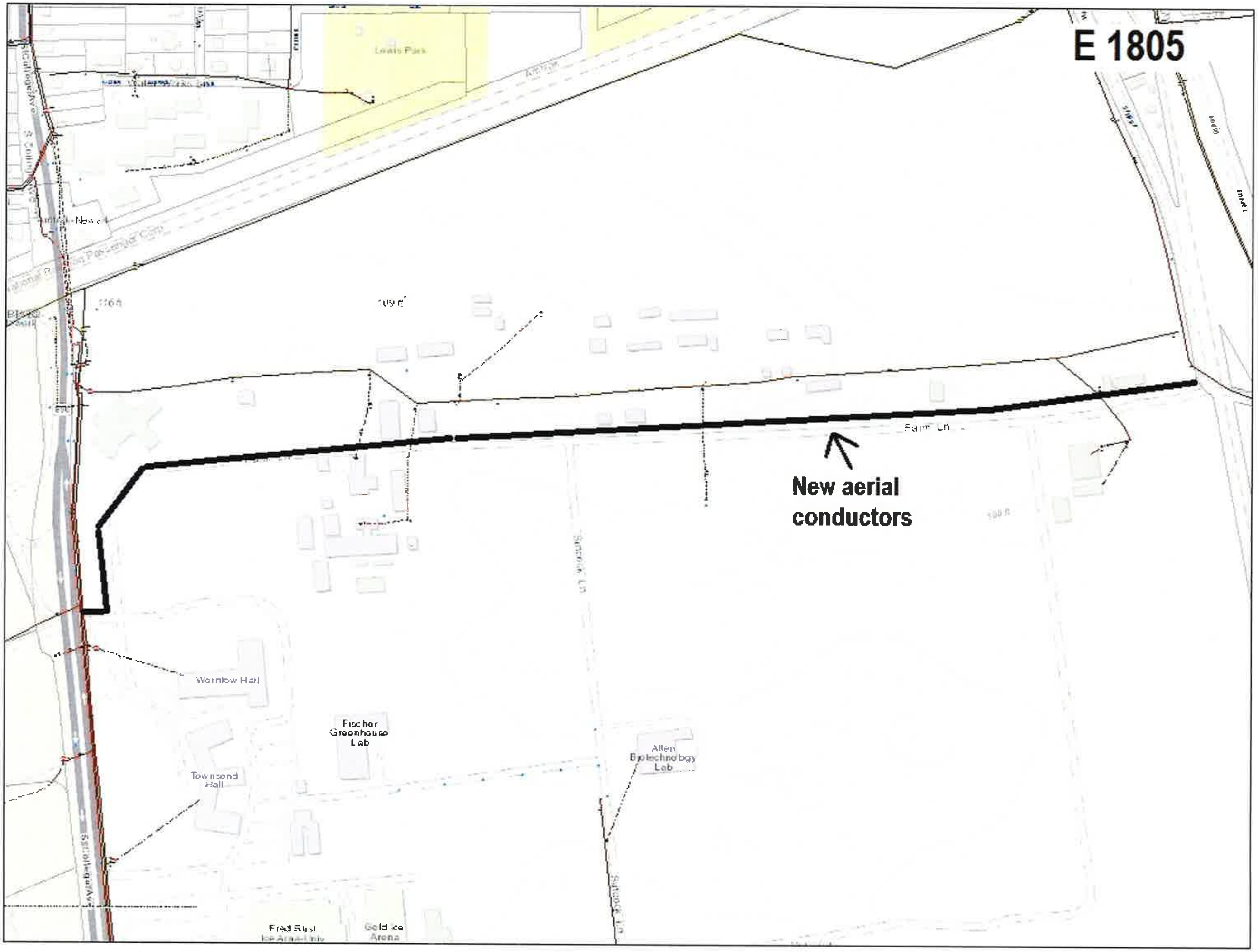
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			170,000				170,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	170,000	-	-	-	170,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						


E 1805
Lewis Park
New aerial conductors
Wornlow Hall
Fischer Greenhouse Lab
Allen Biotechnology Lab
Townsend Hall
Fred Rust Ice Arena-Univ
Gold Ice Arena

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric
PROJECT NO: E1806	PROJECT TITLE: CHRISTIANSTEAD CABLE ADDITION	PROJECT LOCATION: CHRISTIANSTEAD	
PROJECT STATUS (SELECT FROM DROP DOWN):			New 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

An additional underground high voltage cable is needed in Christianstead to balance load during emergency condition when an existing high voltage cable fails. When we experience a cable failure, the remaining cable can not be fused properly to coordinate with upstream fuses.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2019
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	50,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 8,000
Materials		$ 22,000
Other Contracts		$ 20,000
Total Project Cost		$ 50,000

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

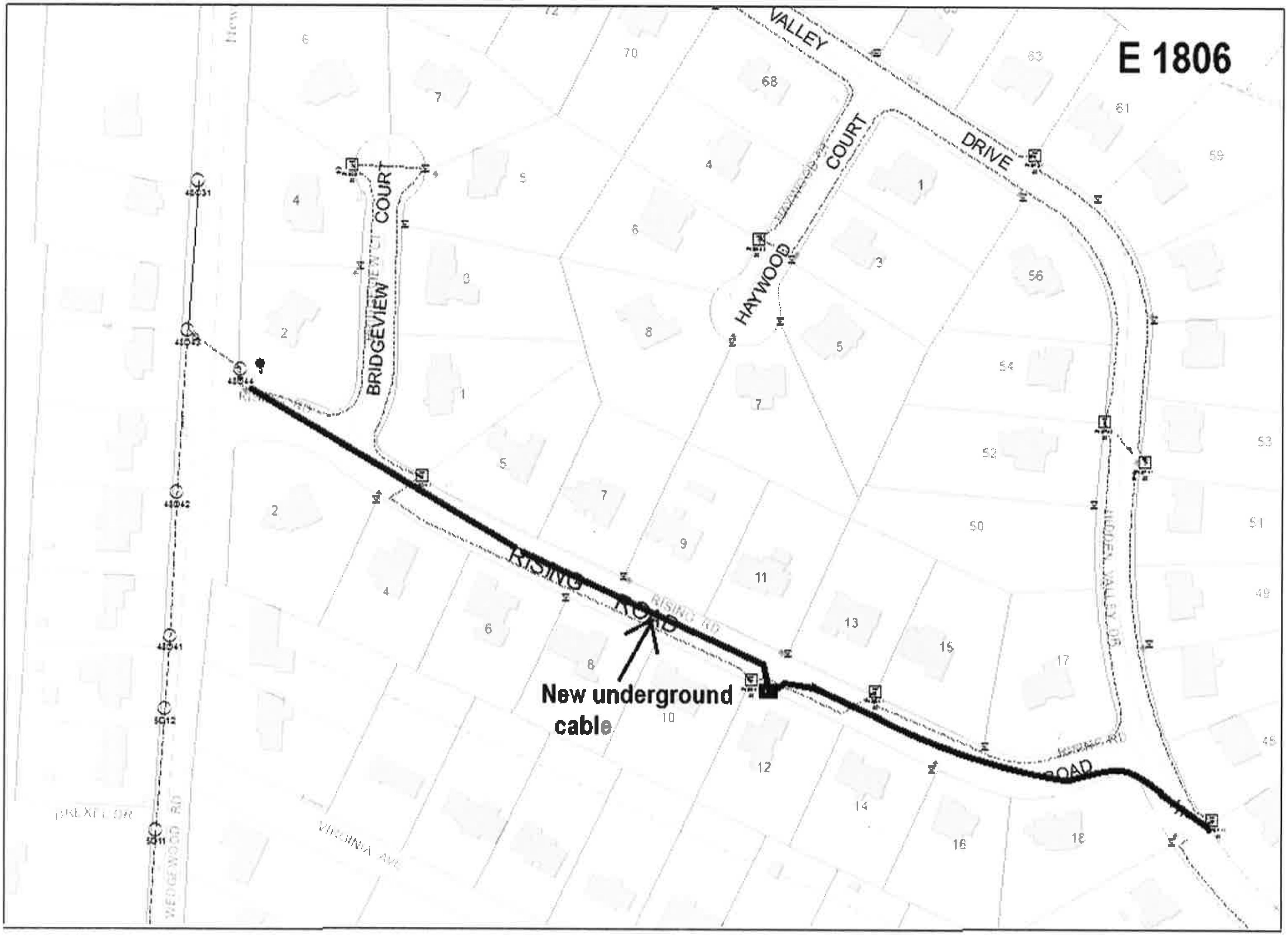
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			50,000				50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	50,000	-	-	-	50,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						


E 1806
VALLEY DRIVE
HAYWOOD COURT
BRIDGEVIEW COURT
RISING ROAD
New underground cable
RISING RD
HIDDEN VALLEY DR
WEDGEWOOD RD
VIRGINIA AVE
ROAD

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1807	RELAY REPLACEMENTS - KERSHAW SUBSTATION	KERSHAW SUBSTATION

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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

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 us to see breaker status and also have remote control.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2019
Est. Useful Life (in years)	20 YRS.
Est. Total Cost	40,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	40,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 14,000
Materials		$ 13,000
Other Contracts		$ 13,000
Total Project Cost		$ 40,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			40,000				40,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	40,000	-	-	-	40,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1808	VOLTAGE UPGRADE - NORTH COLLEGE AVENUE	NORTH COLLEGE AVENUE

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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

Replace poles on North College Avenue and install a primary metering pole in preparation for a 4160 volt to 12470 volt upgrade of University buildings on North College Avenue.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2020
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	50,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 23,800
Materials		$ 26,200
Other Contracts		
Total Project Cost		$ 50,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				50,000			50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	**50,000**	-	-	**50,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric
PROJECT NO: E1809	PROJECT TITLE: 12.47KV LINE EXTENSION	PROJECT LOCATION: CHRISTINA PARKWAY	
PROJECT STATUS (SELECT FROM DROP DOWN):		New 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	

A new 12.47kV line extension is needed for additional capacity and back-up capacity for the Star Campus. This extension will also tie Sandy Brae substation transformer 64 to Chestnut Hill Road transformers 64 and 94 to provide back-up capacity.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2020
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	100,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	100,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 61,000
Materials		$ 39,000
Other Contracts		
Total Project Cost		$ 100,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				100,000			100,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	100,000	-	-	100,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1810	LIGHTNING ARRESTOR REPLACEMENT	VARIOUS

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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

Replace older lightning arrestors on the 12.47kV system. This will prevent power outages and improve lightning protection on the distribution system.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2021
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	235,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	235,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		$ 180,000
Materials		$ 55,000
Other Contracts		
Total Project Cost		$ 235,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES					235,000		235,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	235,000	-	235,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1602	CIRCUIT BREAKER REPLACEMENT	FREMONT ROAD SUBSTATION

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

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

The 35kV oil circuit breaker installed in 1975 feeding transformer 47 at the Fremont Road Substation does not always open and close properly. Due to this problem at its age, it is recommended it be replaced with a vacuum type breaker.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2016
Est. Completion Date	2019
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	65,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	65,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor	5195106.9830	$ 10,000
Materials	5195106.9730	$ 40,000
Other Contracts	5195106.9730	$ 15,000
Total Project Cost		$ 65,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			65,000				65,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	65,000	-	-	-	65,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1502	STAR CAMPUS UNDERGROUND	UD STAR CAMPUS

PROJECT STATUS (SELECT FROM DROP DOWN):	In Prior Program
PRIORITY: 1 - Highest Priority Level	Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

Underground electrical distribution equipment 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	2020
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	360,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	360,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	5195106.9760	$ 360,000
Total Project Cost		$ 360,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)		120,000	120,000	120,000			360,000
OTHER (Specify)							-
TOTAL	-	120,000	120,000	120,000	-	-	360,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric
PROJECT NO: E1203	PROJECT TITLE: CAD SOFTWARE	PROJECT LOCATION: N/A	
PROJECT STATUS (SELECT FROM DROP DOWN):		In Prior Program	
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	

This software is needed to model the city's electric distribution system. This software has engineering modules to assist in fault calculations, voltage drop calculations, coordination studies and feeder optimization. Software - $70,000, Database Conversion - $65.000, Total + $135,000.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2012
Est. Completion Date	2018
Est. Useful Life (in years)	15 YRS.
Est. Total Cost	115,500
Est. Spend @ 12/31 (if underway)[1]	75,000
Balance to be funded[1]	40,500
% Complete (if underway)	100%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	5195106.9622	$ 40,500
Other Contracts		
Total Project Cost		$ 40,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		40,500					40,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	40,500	-	-	-	-	40,500

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E1105	UPGRADE SUBSTATION TRANSFORMERS AND CIRCUIT BREAKERS	PHILLIPS, EAST MAIN, WEST MAIN AND CHESTNUT HILL RD SUBSTATIONS

PROJECT STATUS (SELECT FROM DROP DOWN): **In Progress**

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Due to the load increase on Cleveland Avenue, which consumed most of the city's back-up capacity between West Main Street substation transformer 76 and East Main Street substation transformer 80, a new substation transformer is required at the West Main Street substation. This will allow the load to be split on circuit 80-1 which feeds Cleveland Avenue at Paper Mill Road. Approximately 1000kW of 4kV load will be upgraded to 12.47kV on West Main Street and in Nottingham Green.

In order to meet upcoming load increases on the Star Campus and reinforce the distribution system by providing back-up power, a new substation transformer is required at the Chestnut Hill Road substation. A new line extension from the substation to South College Avenue will also be built. The new transformer will back-up Chestnut Hill Road feeders 74-1 and 74-2, Phillips 7 and Phillips 86-2.

Also includes (previous CIP E1803) - South Chapel Transformer Replacement:

Transformer 11 at South Chapel Street Substation is a 2500/3500kVA transformer installed in 1969. Recent electrical tests and oil testing has shown the transformer is at its end of life. The unit is a back-up to South Chapel 13 (5000kva) which has a 3100kVA load on it. Unit 11 is close to not being able to back-up 13 in an emergency. It is proposed to replace unit 11 with a 10,000kVA transformer. This new transformer will back-up transformer 13 at South Chapel Substation, unit 74 at Chestnut Hill Road substation and unit 82 at Wyoming Road substation. Unit 11 is a sister unit of West Main unit 41 which has failed 3 times in its lifetime.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2011
Est. Completion Date	2018
Est. Useful Life (in years)	30 YRS.
Est. Total Cost	3,499,000
Est. Spend @ 12/31 (if underway)[1]	2,799,000
Balance to be funded[1]	700,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor	5195106.9830	$ 128,000
Materials	5195106.9730	$ 539,500
Other Contracts	5195106.9730	$ 32,500
Total Project Cost		$ 700,000

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

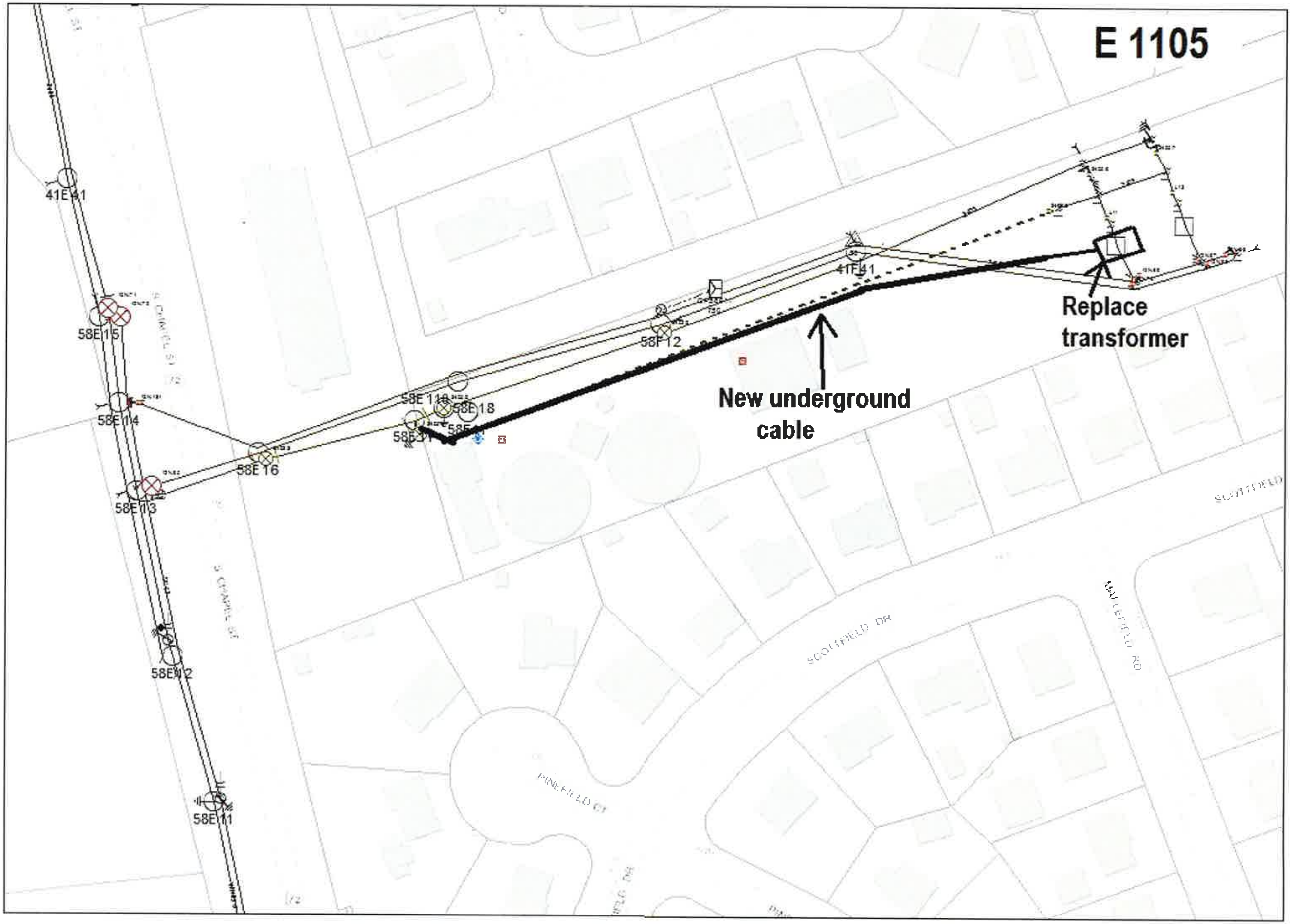
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES		700,000					700,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	**700,000**	-	-	-	-	**700,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)						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41E41
58E15
58E14
58E16
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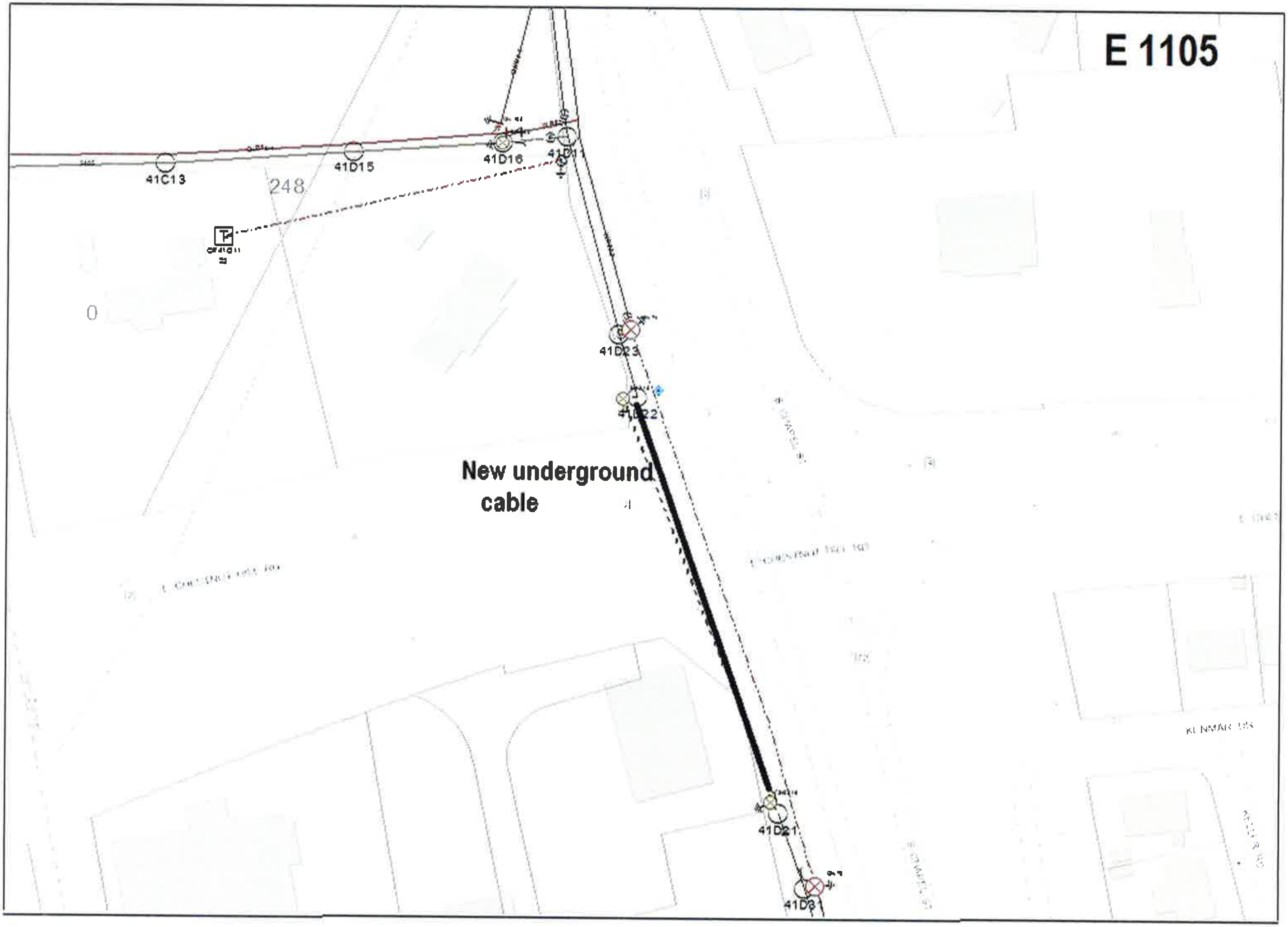
41F41
58F12
New underground cable
Replace transformer
SCOTTFIELD DR
PINEFIELD CT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New underground cable
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CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
E0503	SCADA AND AUTOMATIC SWITCHING	VARIOUS

PROJECT STATUS (SELECT FROM DROP DOWN):	In Prior Program
PRIORITY: 1 - Highest Priority Level	Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

The auto transfer system will allow intelligent transfer of substations on the 34.5kV subtransmission system using reclosers to isolate a faulted circuit and switch a substation to a different circuit if all logic conditions are met. Large outages will be reduced to about a minute and a notification of a transfer will be sent to on call personnel to investigate.

Also includes (previous CIP E1802) - 15KV Automatic Switching:

This project will add 8 - 15kV reclosers to the existing automation software in 2018 to improve reliability to customers at the Delaware Technology Park and customers on Bellevue Road. The reclosers will automatically isolate a faulted circuit and switch the customers to a different circuit if the alternate circuit is available. In 2019, 11 reclosers will be installed to improve reliability to the UD Center Campus and North Campus. In 2022, 10 reclosers will be installed on South College and the Christina Parkway to improve reliability to the UD South Campus and the Star Campus.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2005
Est. Completion Date	2022
Est. Useful Life (in years)	20 YRS
Est. Total Cost	2,468,042
Est. Spend @ 12/31 (if underway)[1]	1,300,042
Balance to be funded[1]	1,168,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor	5195106.9860	$ 266,500
Materials	5195106.9760	$ 847,500
Other Contracts	5195106.9960	$ 54,000
Total Project Cost		$ 1,168,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES	-		413,000	-	-	455,000	868,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		300,000					300,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**300,000**	**413,000**	**-**	**-**	**455,000**	**1,168,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	25,000	30,000	30,000	30,000	35,000	150,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Electric	DIVISION:	Electric

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
EEQSF	EQUIPMENT REPLACEMENT PROGRAM	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

Vehicles scheduled to be replaced:

Vehicle #103:
Mid-size 4x4 SUV, possible change to a 4x4 pick up truck. We tried to go with an electric drive unit, but not available yet. Budget $40,000

Vehicle #105:
Large diesel digger/pole truck. Budget number $260,000

Vehicle #126:
Heavy duty 4x4 pick up truck for; mark out crew, mat transport, arrowboard transport, crash cart transport. GVWR must be over 9600 lbs. to remain legal to pull crash cart. Budget number $40,000.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	1,042,500
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	1,042,500
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5195106.9623	$ 1,042,500
Total Project Cost		$ 1,042,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		340,000	400,500	302,000	-	-	1,042,500
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	340,000	400,500	302,000	-	-	1,042,500

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
ELECTRIC UTILITY

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	RECOM'D MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	STAFF CARS												
103	2010 Dodge Nitro	05/28/10	19,567	77,211	70,000	5	2015	2018	40,000				
116	2008 Ford Focus Sedan	06/06/08	11,281	62,549	60,000	9	2017	2023					
120	2012 Toyota Camry Hybrid	03/19/12	24,718	10,988	70,000	10	2022	2023					
	LINE TRUCKS												
100	1997 Int'l 4700 Stake Truck	03/14/97	39,285	57,128	110,000		N/A	N/A					
101	2017 Int'l 4300 Bucket Truck	01/13/17	174,983	4,875	75,000	8	2025	2025					
104	2013 International 7400 Digger	09/21/12	228,003	29,753	75,000	8	2020	2020			267,000		
105	2006 International 7400 Pole Truck	09/01/06	166,920	31,336	65,000	8	2014	2018	260,000				
115	EZ Hauler 4100 Mini Digger Derrick	09/12/08	120,732	--	--	8	2016	2019		155,000			
122	2017 Int'l 4300 Bucket Truck	01/13/17	197,637	3,414	65,000	8	2025	2025					
124	2009 Ford F750 Aerial Lift	09/18/09	149,600	46,470	100,000	8	2018	2019		215,500			
126	2009 Ford F250 Truck	04/03/09	19,965	101,150	90,000	8	2017	2018	40,000				
130	2013 Ford F750 Aerial Lift	01/14/14	176,500	26,211	75,000	8	2022	2023					
147	2015 Ford F750 Bucket Truck	07/31/15	164,100	17,239	75,000	8	2023	2023					
	PICK-UPS & VANS												
129	2011 Ford 3/4 Ton Utility Body	07/02/10	27,412	32,415	90,000	10	2020	2023					
132	2008 GMC Sierra 2500 Pickup	10/03/08	20,579	36,073	65,000	10	2018	2020			35,000		
145	2017 Ford F250 S.D. Utility Body 4x	08/11/17	37,552	170	65,000	10	2027	2027					
	OTHER EQUIPMENT												
154	2005 Daewoo 5K Forklift	10/14/05	21,450	--	--	10	2015	2019		30,000			
155	2008 Komatsu 10K Fork	11/30/15	24,900	--	--	10	2019	2023					
TOTAL ELECTRIC UTILITY									**$340,000**	**$400,500**	**$302,000**	**$0**	**$0**

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
WATER FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
W1701	Valve Inspection, Exercising and Rehabilitation	D	$0	$0	$0	$0	$165,000	$125,000	$125,000	$125,000	$540,000
W1702	Source Water Protection	D	20,000	20,000	0	20,000	20,000	20,000	20,000	20,000	100,000
W1703	Laird Tract Well Field Treatment Plant	D	0	0	0	0	0	225,000	1,925,000	0	2,150,000
W1601	Backup Generation at Remote Wells	D	0	82,500	0	82,500	70,000	0	0	0	152,500
W1602	Roseville Park Pressure District	B	0	0	0	0	0	25,000	250,000	0	275,000
W1503	Academy Street Interconnection Station	D	42,500	0	0	0	50,000	500,000	0	0	550,000
W1402	Air Stripper Replacement/Storage Tank Config.	D	225,000	1,700,000	0	1,700,000	0	0	0	0	1,700,000
W1302	Abandon Old Wells	B	0	0	0	0	45,000	0	0	0	45,000
W1303	Water System Master Plan	D	52,150	50,000	0	50,000	0	0	0	0	50,000
W1304	Eliminate Tank Overflows	B	67,660	0	0	0	0	0	0	0	0
W1201	Water Main: Windy Hills to Red Mill	B	429,350	0	0	0	0	0	0	0	0
W1101	Curtis Plant Intake Replacement	D	86,220	0	0	0	0	0	0	0	0
W1102	Lime Silo/Delivery Rehabilitation	D	0	0	0	0	0	0	0	0	0
W1104	South Well Field Post Filter pH Adjustment	D	100,000	0	0	0	0	0	0	0	0
W0503	Well Restoration	A	28,000	28,000	0	28,000	28,000	58,000	29,000	29,000	172,000
W0002	Alternative Disinfection Equipment	B	643,000	673,000	0	673,000	0	0	0	0	673,000
W9302	SCADA System	D	150,000	200,000	0	200,000	200,000	50,000	50,000	50,000	550,000
W9308	Water Main Renovation Program	D	1,000,000	500,000	0	500,000	1,000,000	500,000	1,000,000	1,000,000	4,000,000
W8605	Water Tank Maintenance	D	25,000	700,000	0	700,000	350,000	700,000	500,000	0	2,250,000
WEQSF	Vehicle Replacement Program	D	190,000	0	0	0	20,000	230,000	75,000	0	325,000
	Total Water Fund-Water Division		$3,058,880	$3,953,500	$0	$3,953,500	$1,948,000	$2,433,000	$3,974,000	$1,224,000	$13,532,500
	GROSS CAPITAL IMPROVEMENTS		$3,058,880	$3,953,500	$0	$3,953,500	$1,948,000	$2,433,000	$3,974,000	$1,224,000	$13,532,500
	LESS: USE OF RESERVES		(1,395,880)	(771,000)	0	(771,000)	(5,000)	0	0	0	(776,000)
	VEHICLE/EQUIPMENT REPLACEMENT		(190,000)	0	0	0	(20,000)	(230,000)	(75,000)	0	(325,000)
	GRANTS		0	(82,500)	0	(82,500)	(70,000)	(150,000)	0	0	(302,500)
	BOND ISSUES		0	0	0	0	0	0	0	0	0
	OTHER		0	(3,100,000)	0	(3,100,000)	(350,000)	(700,000)	(2,100,000)	0	(6,250,000)
	NET CAPITAL IMPROVEMENTS		$1,473,000	$0	$0	$0	$1,503,000	$1,353,000	$1,799,000	$1,224,000	$5,879,000

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

*Please refer to the Version Control Appendix which starts on Page Number 128 to review changes that have been made to this sheet after the initial release of October 5,2017.

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: W1701	PROJECT TITLE: Valve Inspection, Exercising and Rehabilitation	PROJECT LOCATION: Various	
PROJECT STATUS (SELECT FROM DROP DOWN):		New 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:

According to AWWA, "Each valve should be operated through a full cycle and returned to it's normal position on a schedule that is designed to prevent a buildup of tuberculation [rust formation in pipes as a result of corrosion] or other deposits that could render the valve inoperable or prevent a tight shutoff. The interval of time between operations of valves in critical locations or valves subjected to severe operating conditions should be shorter than for other less important installations, but can be whatever time period is found to be satisfactory based on local experience. The number of turns required to complete the operation cycle should be recorded and compared with permanent installation records to ensure that full gate travel (i.e., it can be opened and closed) is maintained.

This project proposed to develop a valve exercising program utilizing the recently completed GIS database and contract documents in 2019 that would be put out to bid in a multi-year contract with an initial goal of exercising all valves in the system within the first 5 years. During this period we would also re-visit previously exercised valves to attempt to determine the appropriate return interval for service in the coming years.

It is our current expectation that we should exercise valves no less frequently than every 2 to 3 years but we have spread out the initial round over 5 years because it is our expectation that there will be a higher than normal failure rate resulting in higher than normal replacement costs. We will revisit this estimate annually during the program as we have more data to support optimization.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2017
Est. Completion Date	2022
Est. Useful Life (in years)	100
Est. Total Cost	540,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	540,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	5295203.9760	$ 175,000
Other Contracts	5295206.9760	$ 365,000
Total Project Cost		$ 540,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			165,000	125,000	125,000	125,000	540,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	165,000	125,000	125,000	125,000	540,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1702	Source Water Protection	White Clay Creek Watershed

PROJECT STATUS (SELECT FROM DROP DOWN): **New Project**

PRIORITY: 2 - High Priority Level — Critical need to remediate failing service, prevent failure, or generate savings

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will fund source water protection efforts in the White Clay Creek watershed, upstream from our surface water intake at the Curtis Water Treatment Plant. The goal for these projects is to reduce risk of contamination from both point and non point source pollution sources. Additionally, projects may also seek to reduce bacterial, nutrient, and sediment loading in the creek which will improve water quality, improving treatment efficiency, while reducing electrical and chemical costs slowly over time. As an added benefit, in addition to Source Water protection, we are also in discussions with DNREC to allow the efforts from these projects to be included in our NPDES Permit compliance reporting.

Previously, projects of this sort have been funded on an ad-hoc basis using operating funding when available. In order to realize a benefit this will require a long term commitment allowing community partners with leveraging funding a reliable matching funding source. Additionally, the PWWR Department is working with the UD Water Resources Agency and the Nature Conservancy with funding from the William Penn Foundation to develop the Brandywine-Christina Healthy Water Fund. The goal of this fund is to implement a funding mechanism and science-based investment protocol to restore the Brandywine-Christina watershed to fishable, swimmable, and potable status within 10 years. A water fund is a mechanism for downstream beneficiaries to invest in upstream conservation measures designed to secure freshwater resources – both quality and quantity. Our funding would be leveraged to access other funding sources, multiplying our impact. Moving forward there will be a consistent source of projects, prioritized by their cost effectiveness at achieving the fishable, swimmable, potable goal. A pilot project for this fund is currently underway in 2017 and we have provided this funding as described. For more information on the fund please visit: http://www.wra.udel.edu/brandywine-christina-healthy-water-fund/

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2017
Est. Completion Date	2027
Est. Useful Life (in years)	20
Est. Total Cost	100,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	100,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 100,000
Total Project Cost		$ 100,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			20,000	20,000	20,000	20,000	80,000
CAPITAL RESERVES		20,000					20,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	20,000	20,000	20,000	20,000	20,000	100,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1703	Laird Tract Well Field Restoration	Curtis Water Treatment Plant Area

PROJECT STATUS (SELECT FROM DROP DOWN): **New Project**

PRIORITY: 2 - High Priority Level — Critical need to remediate failing service, prevent failure, or generate savings

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project will fund the design and construction of a new drinking water treatment plant or supply configuration changes necessary for the reliable supply for the existing treatment plant, capable of processing the existing public supply wells in the City's Laird Tract Well Field (LTWF). The wells, installed in 1971 (Wells 23 & 25) and 1990 (Well 20 & 21), pumped groundwater directly into the system with no filtration; however, as government regulations were developed and due to the City's commitment to providing high quality drinking water the Laird well water is no longer adequate for direct distribution. Specifically, the water quality of the wells consist of elevated levels of iron, manganese, and hydrogen sulfide none of which present a risk to human health but do result in poor aesthetics (i.e. taste, color, odor).

The reintroduction of the LTWF wells would provide the City with up to 1.5 million gallons per day, which becomes more important in times of drought, when we would be able to continue to draw up to 1.5 mgd when our creek passby requirements are not being met and our surface water intake is shut down.
Alternatives include additional feeds that would introduce well water to the Newark Reservoir, which can have nutrient problems due to pumping of nutrient rich water from our surface water intake. We anticipate testing and rehabilitating the wells in 2020 along with the design of the collection system upgrades with the full project being constructed in 2021.

The wells located in, or adjacent to, the protected lands of the White Clay Creek State Park provide the City a reliable long-term water supply solution. The parkland surrounding the LTWF is in direct contrast to the City's South Well Field Treatment Plant (SWF) where the land use is predominantly commercial/industrial resulting in higher risk of contamination.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2017
Est. Completion Date	2027
Est. Useful Life (in years)	20
Est. Total Cost	2,150,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	2,150,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	5295206.9760	$ 2,150,000
Total Project Cost		$ 2,150,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**		**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES					75,000	325,000		400,000
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)					150,000			150,000
OTHER (Specify)	SRL					1,600,000		1,600,000
OTHER (Specify)								-
TOTAL		**-**	**-**	**-**	**225,000**	**1,925,000**	**-**	**2,150,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)			20,000	20,000	20,000	60,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: W1601	PROJECT TITLE: Backup Generation at Water Facilities	PROJECT LOCATION: Well 17 and Northwest Booster	
PROJECT STATUS (SELECT FROM DROP DOWN):		New Project	
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

When this project was originally created, two of our three current high production wells - wells 15 and 17 - lacked backup power. This project originally proposed the installation of generators at each well. The sites will be served by natural gas or diesel generators with a preference toward natural gas, if available. Since the original proposal of the project, we have been able to repurpose an obsolete generator from the old Arbour Park booster station to operate Well 15. The cost was less than $5000, saving approximately $50,000 from this project.

Total estimated cost for backup power for a well is $70,000 for natural gas or $58,000 for diesel, per location. 2018 will cover engineering and bid preparation for Well 17 and the NW Booster along with the actual construction at the NW Booster. 2019 will cover construction at Well 17.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2016
Est. Completion Date	2019
Est. Useful Life (in years)	20
Est. Total Cost	152,500
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	152,500
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 152,500
Total Project Cost		$ 152,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)		82,500	70,000				152,500
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	82,500	70,000	-	-	-	152,500

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO: W1602	PROJECT TITLE: Roseville Park Pressure District	PROJECT LOCATION: Roseville Park & Delaplane Manor	

PROJECT STATUS (SELECT FROM DROP DOWN):

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:

The higher elevation areas of Roseville Park and Delaplane Manor subdivisions have very low water pressure and little fire protection water flows, often losing pressure entirely when a hydrant downhill is opened creating potential for backflows and excessive water discoloration. The first year of this project was to investigate alternative solutions with costs to be used to budget for design and construction in 2021 depending on funding availability.
We have identified the best solution which is a booster station that will be located on Laurel Avenue. This solution was more cost effective than the other options while providing a larger improvement to pressures. Due to the piping configuration we believe this installation can be performed using in-house forces. If we determine otherwise once we get further into the design phase the construction cost estimate will have to be revised upward at that time.
DEAUTHORIZE $16,727 AND TRANSFER TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2016
Est. Completion Date	2021
Est. Useful Life (in years)	100
Est. Total Cost	275,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	275,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 275,000
Total Project Cost		$ 275,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				25,000	250,000		275,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	25,000	250,000	-	275,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1503	Academy St. Interconnection Pump Station	Academy Street and Waterworks Lane

PROJECT STATUS (SELECT FROM DROP DOWN):

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:

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

Our interconnection with Suez, located at the intersection of Academy Street and Waterworks Lane, is the existing interconnection location best suited to serve as the backup supply for the NWTP. The existing station has three pumps which produce 1.0, 1.5 and 2.0 million gallons per day, located in the basement of the old brick building. The pumps and building at this location are in exceedingly poor condition and will require significant repairs and possibly complete replacement if we are to rely on them for backup water service long term. This project scope has been modified in 2017 and beyond due to the relocation of the interconnection because of a relocation of the Suez water interconnection location to the south side of the railroad tracks due to the construction of the new Train Station. The new location will feature standpipes and valves which we will connect a portable pump on a temporary basis. The planning for the out years contemplates a permanent building and pumps or self contained pump package similar to recent upgrades at the Northwest Booster Station and the Arbour Park Booster Station. DEAUTHORIZE $36,486 AND TRANSFER TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2015
Est. Completion Date	2020
Est. Useful Life (in years)	15
Est. Total Cost	550,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	550,000
% Complete (if underway)	2%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 550,000
Total Project Cost		$ 550,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			50,000	500,000			550,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**-**	**50,000**	**500,000**	**-**	**-**	**550,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1402	Air Stripper Replacement South Well Field	South Well Field Treatment Plant

PROJECT STATUS (SELECT FROM DROP DOWN):

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 current air stripper has been in service for approximately 15 years running 24/7 and is likely nearing the end of it's service life. The system is very difficult to maintain due to its location on top of the raw water tank. Although effective at removing the harmful contaminents in the groundwater, it is unable to adequately treat all of the available source water (wells 14r and 16) resulting in these wells sitting idle. Furthermore, because there is no redundency in the treatment process if the air stripper were to fail the South Well Field Treatment Plant (which accounts to roughly 40% of the City's water production) would need to be shut down.

Funding for this project to proceed past the design phase will occur should council desire the utilization of dept, via the State of Delaware Revolving Loan or other funding sources, and and public referendum passes.

2018 - Design, Referendum, and Bidding
2019 - Construction

DEAUTHORIZE $195,000 AND MOVE TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2014
Est. Completion Date	2018
Est. Useful Life (in years)	15
Est. Total Cost	1,730,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	1,730,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9740	$ 1,730,000
Total Project Cost		$ 1,730,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES		30,000						30,000
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	SRL		1,700,000					1,700,000
OTHER (Specify)								-
TOTAL		30,000	1,700,000	-	-	-	-	1,730,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1302	Abandon Old Wells	Various

PROJECT STATUS (SELECT FROM DROP DOWN):

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:

The Water Department has over time developed various well fields that are no longer in use. In several cases the well head and associated piping including the well itself are still on site and subject to vandalism and possible contamination of the aquifer. This project will allow us to seal the old wells and deactivate the sites. Wells that we will be considering for closure include those associated with the City of Newark's North Well Field at Lewis Park. Any work will be done in coordination with the DNREC Division of Water Water Supply Section to obtain authorized abandonment permits and reports. DEAUTHORIZE $35,000 AND MOVE TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2013
Est. Completion Date	2019
Est. Useful Life (in years)	
Est. Total Cost	45,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	45,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 45,000
Total Project Cost		$ 45,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			40,000				40,000
CAPITAL RESERVES	5,000						5,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**5,000**	**-**	**40,000**	**-**	**-**	**-**	**45,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1303	Water System Master Plan and Model	Various

PROJECT STATUS (SELECT FROM DROP DOWN):

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 build off the water distribution system hydraulic computer model developed in 2016. The current solution models the system under a "snap shot" scenario; meaning, the system is analyzed using a specific tank levels and system demand. This project will utilize the newly collected SCADA data to develop a more sophisticated extended period simulation which will model the diurnal demand and pressure fluctuation throughout the system. The specific simulation will allow the department to more accurately estimate scenarios; such as, predicted fire flow capacity, develop unidirectional flushing plans and prioritize pipe lining and replacement locations.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2013
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	50,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 50,000
Total Project Cost		$ 50,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		50,000					50,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	50,000	-	-	-	-	50,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W1101	Curtis WTP Intake Study and Replacement	Curtis WTP

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The dam and raceway form the back bone of the system that conveys raw water from the White Clay Creek to the Newark Treatment Plant and Reservoir Pump Station. We have had the dam inspected by our engineering consultant and they determined that there is not an imminent threat of it failing but there is the potential for it to be bypassed should the White Clay Creek change course or wash out the west side embankment during a high water event. The raceway has an antiquated waste way structure and bridge assembly that controls the level in the raceway and provides access to the raceway head gates; however, this system dates back to the late 18th century originally constructed for the curtis paper mill and signs of erosion and undercutting are apparent. Additionally, the raceway continues to sequester sediment resulting in reduced flow to the Newark Treatment Plant and Reservoir Pump Station. Currently there are no effective means to clear debris from the water that flows down the raceway creating problems with the reservoir pumps. Furthermore, efforts are underway to eliminate or mitigate the barriers that this and other dams create which prevent the migration of fish, mollusks, and other aquatic life.

Near term issues to be addressed will be the waste way structure and a possible bar screen on the reservoir intake which would be paid for with reserves already dedicated to the project. The repairs to the waste way, selective sediment removal and new bar screen is scheduled for 2018. Large scale intake work will not occur until 2022 when the reservoir debt service is paid off. DEAUTHORIZE $142,440 AND MOVE TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2011
Est. Completion Date	2018
Est. Useful Life (in years)	15
Est. Total Cost	172,440
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	172,440
% Complete (if underway)	3%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9621	$ 172,440
Total Project Cost		$ 172,440

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	172,440						172,440
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**172,440**	**-**	**-**	**-**	**-**	**-**	**172,440**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W0503	Well Restoration Program	Various

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2005
Est. Completion Date	Perpetual
Est. Useful Life (in years)	5
Est. Total Cost	192,000
Est. Spend @ 12/31 (if underway)[1]	20,000
Balance to be funded[1]	172,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 172,000
Total Project Cost		$ 172,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			28,000	58,000	29,000	29,000	144,000
CAPITAL RESERVES		28,000					28,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	28,000	28,000	58,000	29,000	29,000	172,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W0002	CWTP Alt. Disinfection and Facility Upgrades	Curtis Water Treatment Plant

PROJECT STATUS (SELECT FROM DROP DOWN):

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 provide alternative disinfection equipment at the Curtis Water Treatment Plant (CWTP). The gaseous chlorine that we currently use is subject to increasing regulatory action. We plan to replace the gaseous chlorine with bulk sodium hypochlorite with a system similar to what is in use at the South Well Field Treatment Plant. As part of our study to select an appropriate replacement for gaseous chlorine we investigated the need for building upgrades and identified a variety of necessary rehabilitation work including roof replacement, insulation replacement, ventilation upgrades, and interior layout changes.

Funds were deauthorized from W1101, W1102, W1302, W1402, W1503, W1602, W8605 and W9308 ($673,000 Total) to fund 2018.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2015
Est. Completion Date	2018
Est. Useful Life (in years)	20
Est. Total Cost	1,175,989
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	1,175,989
% Complete (if underway)	25%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9740	$ 1,175,989
Total Project Cost		$ 1,175,989

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	502,989	673,000					1,175,989
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	502,989	673,000	-	-	-	-	1,175,989

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W9302	Water SCADA	Various Locations

PROJECT STATUS (SELECT FROM DROP DOWN):

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:

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

After a thorough search, the City in 2016 selected a new integrator experienced in the water and wastewater industry to provide a turn-key product. The selected integrator is currently working on a full evaluation of all of our facilities that will allow us to accurately plan out implementation over the next few years. Out year values are our best estimate as of today, Once the evaluation is complete we will update out-year funding estimates.

Through a separate project in the sewer fund we will instrument our sewer pump stations.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	1993
Est. Completion Date	2022
Est. Useful Life (in years)	15
Est. Total Cost	614,448
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	614,448
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 614,448
Total Project Cost		$ 614,448

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				200,000	50,000	50,000	50,000	350,000
CAPITAL RESERVES		64,448						64,448
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	SRL		200,000					200,000
OTHER (Specify)								-
TOTAL		**64,448**	**200,000**	**200,000**	**50,000**	**50,000**	**50,000**	**614,448**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W9308	Water Main Replacement Program	Various Locations

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Project involves either replacing mains or lining the interior to minimize main breaks, improve water quality, and improve fire flow. Final determination of water lines to be rehabilitated will be identified closer to contract development so that we can incorporate the latest information we have on system condition and road maintenance activity. In 2017 we completed replacement of the water main along East Park Place from South Chapel to Manuel Street. In 2018, we intend to complete the portion of East Park Place from Manuel to Academt Street. We also intend to perform a significant amount of lining to improve water quality in the Oaklands area, specifically Wilson Road and Cheltenham Road. The unit cost for lining has come down in recent years and will allow us to tackle persistent water quality problem areas where the main is otherwise structurally sufficient. We will compare pricing of lining versus replacement for this section, taking into account overall restoration costs.

Ductile and cast iron water mains have an expected lifespan of between 75 and 100 years and make up over 95% of our distribution network. There are a large number of mains in Newark's system that are either approaching the end of their expected lifespan or have experienced a higher than normal rate of failure (main breaks). In order to properly replace mains with a 100 year lifespan, we should be replacing 1% per year, assuming an even distribution of pipe age. Current year pricing for replacement of 6" water main was $240 per foot which means that in order to sustainably manage our distribution network, we should be spending a minimum of $1,500,000 per year. That said, we have several large, one-time treatment plant projects in the budget over the next 5 years that are going to use up a large portion of our cash financing available so we are not going to meet our target replacement goal without utilizing debt financing. The Reservoir debt is paid off beginning in year 2022 which will allow us to make up for this deferred replacement at that time. DEAUTHORIZE $177,758 AND TRANSFER TO W0002.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	1993
Est. Completion Date	Perpetual
Est. Useful Life (in years)	75+
Est. Total Cost	4,060,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	4,060,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 4,060,000
Total Project Cost		$ 4,060,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			1,000,000	500,000	1,000,000	1,000,000	3,500,000
CAPITAL RESERVES	60,000						60,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify) SRL		500,000					500,000
OTHER (Specify)							-
TOTAL	60,000	500,000	1,000,000	500,000	1,000,000	1,000,000	4,060,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
W8605	Water Tank Maintenance	Various

PROJECT STATUS (SELECT FROM DROP DOWN):

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 continue the evaluation and rehabilitation of our water tanks in various locations throughout the City. Water Tank Surface coatings generally last 15 years. Several of our tanks have lead present in the existing coatings. Lead removal will be required at the next scheduled painting and additional funding has been including to account for addition testing, notification and safety precautions. DEAUTHORIZE $55,963 AND TRANSFER TO W0002. The current painting schedule is:

2017 - Design and bid package preparation for the South Well Field Tanks

2018 - South Well Field raw and finished water tanks (each 500,000 gallon ground tanks) - Lead present is current coating. $300,000 each, need to be completed simultaneously because the treatment plant must be taken offline during blasting and painting. May require water purchases during painting so I have included $100,000 to cover this cost and spread the funding across 2017 and 2018. Last painted in 2003.

Funding for the 2019 project to proceed past the design phase will occur should council desire the utilization of debt, via the State of Delaware Revolving Loan or other funding sources, and public referendum passes.

'2019 - Arbour Park Tank (500,000 gallon ground tank) - $350,000, last painted in 2003

2020 - Dallam Road Tank (565,000 gallon ground tank) - Lead present is current coating. $400,000, last painted in 2003

2020 - Nottingham Road Tank (220,000 gallon ground tank) -Lead present is current coating. $300,000, last painted in 2003

2021 - New London Tank (2,000,000 gallon ground tank) - $500,000, last painted in 1997

2030 - Windy Hills Tank (300,000 gallon elevated tank) - $900,000, last painted in 2015

2031 - Concrete Tank (3,200,000 gallon ground tank) - $550,000, last painted in 2015

2031 - Louviers Tank (1,000,000 gallon elevated tank) - $750,000, last painted in 2016

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	1986
Est. Completion Date	Perpetual
Est. Useful Life (in years)	15
Est. Total Cost	2,265,500
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	2,265,500
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295206.9760	$ 2,265,500
Total Project Cost		$ 2,265,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES		15,500						15,500
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	SRL		700,000	350,000	700,000	500,000		2,250,000
OTHER (Specify)								-
TOTAL		**15,500**	**700,000**	**350,000**	**700,000**	**500,000**	**-**	**2,265,500**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water/Sewer

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
WEQSF	Equipment Replacement Program	

PROJECT STATUS (SELECT FROM DROP DOWN):

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 be advised there are currently no anticipated replacements for 2018**

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	325,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	325,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	5295206.9623	$ 325,000
Total Project Cost		$ 325,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			20,000	230,000	75,000		325,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**-**	**20,000**	**230,000**	**75,000**	**-**	**325,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
WATER AND WASTEWATER UTILITIES

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	STAFF CARS													
215	2008 Ford Focus		02/26/08	11,281	33,402	60,000	8	2016	2020			20,000		
	LINE TRUCKS													
202	2012 Ford F350		10/18/12	74,095	30,345	80,000	8	2020	2020			85,000		
207	2005 Int'l 7400 Dump Truck	a.	08/05/05	95,845	34,883	36,000	8	2013	2023					
	PICK-UPS & VANS													
204	2016 Ford F350 Dump Truck		09/02/16	34,155	3,056	85,000	10	2026	2026					
206	2014 Ford F-150 Pickup Truck		12/31/14	25,011	73,796	120,000	5	2020	2021				35,000	
211	2009 Ford F250 Supercab		06/05/09	25,267	50,200	80,000	10	2019	2021				40,000	
218	2017 Ford F250 4x4 Pickup Truck		08/30/17	30,512	50	100,000	10	2027	2027					
224	2012 Ford F250 Pickup Truck		10/25/12	37,999	25,691	80,000	10	2022	2023					
241	2015 Ford Transit Connect		12/31/14	21,491	21,501	100,000	10	2025	2025					
244	2016 Ford F250 4X4 Reg Cab		07/21/16	26,959	6,379	100,000	10	2026	2026					
299	2013 Ford F150 Pickup		06/28/13	19,541	26,322	100,000	10	2023	2023					
	OTHER EQUIPMENT													
201	1994 Ingersall Air Compressor		09/09/94	9,169	--	--	15	2009	2019		20,000			
220	2011 Case 590 SN Loader/Backhoe		10/14/11	117,701	--	--	9	2020	2020			125,000		
TOTAL WATER AND WASTE WATER UTILITY										**$0**	**$20,000**	**$230,000**	**$75,000**	**$0**

a. This vehicle scheduled to be replaced in 2017.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
SEWER FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	|---2018---| RESERVES & OTHER FUNDING	CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
S1602	Sewer SCADA	D	$93,675	$75,000	$0	$75,000	$0	$0	$0	$0	$75,000
S0904	Sanitary Sewer Study & Repairs	D	500,000	1,261,701	0	1,261,701	800,000	1,000,000	800,000	800,000	4,661,701
	Total Sewer Fund		$593,675	$1,336,701	$0	$1,336,701	$800,000	$1,000,000	$800,000	$800,000	$4,736,701
	GROSS CAPITAL IMPROVEMENTS		$593,675	$1,336,701	$0	$1,336,701	$800,000	$1,000,000	$800,000	$800,000	$4,736,701
	LESS: USE OF RESERVES		(43,675)	(836,701)	0	(836,701)	0	0	0	0	(836,701)
	VEHICLE/EQUIPMENT REPLACEMENT		0	0	0	0	0	0	0	0	0
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	0	0	0	0	0	0	0	0
	OTHER FINANCING SOURCES		0	(500,000)	0	(500,000)	(800,000)	(1,000,000)	(800,000)	(800,000)	(3,900,000)
	NET CAPITAL IMPROVEMENTS		$550,000	$0	$0	$0	$0	$0	$0	$0	$0

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Sewer
PROJECT NO: S1602	PROJECT TITLE: Sewer SCADA	PROJECT LOCATION: Three Sewer Pump Stations	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

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

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

Please note, $75,000 is to be transferred from CIP Project S0904.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2016
Est. Completion Date	2018
Est. Useful Life (in years)	15
Est. Total Cost	75,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	75,000
% Complete (if underway)	33%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5395306.9760	$ 75,000
Total Project Cost		$ 75,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		75,000					75,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	75,000	-	-	-	-	75,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	5,000	5,000	5,000	5,000	5,000	25,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Sewer
PROJECT NO: S0904	PROJECT TITLE: Sanitary Sewer Study and Repairs	PROJECT LOCATION: Various Locations	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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 affords the continuation of our cleaning and investigation of the condition of the sanitary sewer system and will result in recommendations for repair. To date we have inspected approximately 10 miles of the 95 miles of sanitary sewer main in our system. Using results from 10 miles of inspections we have identified and prioritized approximately $2,600,000 worth of necessary repairs.

To date our inspections have been prioritized based on line size and backup history. As part of the ongoing sanitary sewer master plan project we have completed sanitary sewer flow monitoring in the Christina Basin (approximately 2/3rds of the system) and are applying for a grant to do the same in the White Clay Basin in 2016-2017. This flow monitoring will allow us to target inspections on those areas where we are experiencing the most rainfall derived inflow and infiltration (RDII) which is a good indicator of structural damage in pipes. (rainfall can get into the pipes through cracks and holes). This will allow for a more targeted, data driven approach to investigations. The flow monitoring will also be used for a capacity model that will allow us to target select lines for capacity increases when performing rehabilitation efforts.

In 2017 we completed repairs in the Kells Avenue basin and along Bogy Run north of Ray Street and we also performed inspections to the critical main between the Cooches Bridge and Silverbrook pump stations. During 2016 we also performed non-destructive pipe testing on the Silverbrook force main which is failure critical and heretofore uninspected since installation. In 2018 we plan to continue targeted inspections based on data derived from flow testing. We also plan to begin rehabilitation/replacement as determined by the prioritization and capacity model driven pipe diameter increases. Specific locations will be available prior to CIP adoption. Deauthorize $75,000.00 to be transferred to CIP Project S1602.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2009
Est. Completion Date	Ongoing
Est. Useful Life (in years)	50+
Est. Total Cost	4,661,701
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	4,661,701
% Complete (if underway)	2%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5395306.9760	$ 4,661,701
Total Project Cost		$ 4,661,701

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES			761,701					761,701
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	SRL		500,000	800,000	1,000,000	800,000	800,000	3,900,000
OTHER (Specify)								-
TOTAL		-	1,261,701	800,000	1,000,000	800,000	800,000	4,661,701

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
STORMWATER FUND

				|----------------2018----------------|		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		**2017 BUDGET**	**RESERVES & OTHER FUNDING**	**CURRENT FUNDING**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
Q1802	Rodney Regional Stormwater Park	D	$0	$3,300,000	$0	$3,300,000	$3,250,000	$0	$0	$0	$6,550,000
Q1702	Storm System Start Up Costs	D	0	0	0	0	0	0	0	0	0
Q1301	Storm Drainage Improvements	B	350,000	0	420,000	420,000	491,000	463,050	536,203	510,513	2,420,766
Q0101	NPDES Phase II Stormwater Quality	C	40,000	40,000	0	40,000	40,000	40,000	40,000	40,000	200,000
QEQSF	Vehicle Replacement Program	D	60,000	18,000	0	18,000	161,375	0	0	0	179,375
	Total Stormwater Fund-Stormwater Division		$450,000	$3,358,000	$420,000	$3,778,000	$3,942,375	$503,050	$576,203	$550,513	$9,350,141
	GROSS CAPITAL IMPROVEMENTS		$450,000	$3,358,000	$420,000	$3,778,000	$3,942,375	$503,050	$576,203	$550,513	$9,350,141
	LESS: USE OF RESERVES		0	(40,000)	0	(40,000)	(40,000)	0	0	0	(80,000)
	VEHICLE/EQUIPMENT REPLACEMENT		(60,000)	(18,000)	0	(18,000)	(161,375)	0	0	0	(179,375)
	GRANTS		0	(50,000)	0	(50,000)	(50,000)	0	(50,000)	0	(150,000)
	BOND ISSUES		0	0	0	0	0	0	0	0	0
	OTHER FINANCING SOURCES		0	(3,250,000)	0	(3,250,000)	(3,250,000)	0	0	0	(6,500,000)
	NET CAPITAL IMPROVEMENTS		$390,000	$0	$420,000	$420,000	$441,000	$503,050	$526,203	$550,513	$2,440,766

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

*Please refer to the Version Control Appendix which starts on Page Number 128 to review changes that have been made to this sheet after the initial release of October 5,2017.

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Stormwater

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
Q1802	Rodney Regional Stormwater Park	103 Hillside Road

PROJECT STATUS (SELECT FROM DROP DOWN): **New Project**

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

City staff has identified the recently shuttered Rodney Dormitory parcel as ideally located at the top of a watershed in Newark with downstream drainage problems. The City has entered into a contract to purchase the parcel from the University of Delaware and has begun a public relations campaign in order to solicit feedback from the residents of Newark on what type of park amenities and extent of the stormwater management possible on the site. The funds shown below are contemplated to come from a State Revolving Loan Fund, subject to public referendum process. Associated Planning Grants have already been secured.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2019
Est. Useful Life (in years)	100
Est. Total Cost	6,550,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	6,550,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 6,550,000
Total Project Cost		$ 6,550,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)	Planning Grants		50,000					50,000
OTHER (Specify)	SRL		3,250,000	3,250,000				6,500,000
OTHER (Specify)								-
TOTAL		-	3,300,000	3,250,000	-	-	-	6,550,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)		10,000	10,000	10,000	10,000	40,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Stormwater

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
Q1301	Storm Drainage Improvements	Various Locations

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

An engineering consultant has completed a detailed CCTV Inspection and Priority Ranking in order to aid the decision making for the future replacement or rehabilitation of all of the known Corrugated Metal Pipe (CMP) in the City. The issues with the premature failure and deterioration of CMP has been well documented over the past several years and will be the focus of this Capital Project over the next 10 years. The memorandum from JMT identifies approximately $3.5mm in lining and replacement of CMP over the next 10 years. PWWR recommends the CIP reflect approximately $350,000 per year over the next 10 years to address the problem pipe. JMT will prepare a 10 year plan for the repairs and annual repair locations will be presented as part of any Contract Recommendation btough to Council in 2018 and annual budget presentations each following year. Emergent and newly identified problems may arise over the term of this project and will be paid for under this project. Examples of this type of emergent work are the Jenneys Run Culvert Removal in 2016 and the Creek Bend Court Outfall Failure in 2014. In 2017 we anticipate replacing the outfall of a culvert crossing on Wyoming Road which has recently failed. We have also identified City owned Parcels The City has ownership of numerous parks throughout the city, some of which are simply maintained as open area and are very underutilized. Several of those parks are around or near critical drainageways and the opportunity exists to design detention basins or water quality facilities at those locations. The parks department could realize savings by removing the maintenance responsibilities and the public works and water resources department could utilize these areas to mitigate flooding and water quality issues throughout the City. The areas were identified for a number of reasons, including, but not limited to, location within a watershed, level of probable benefit, ease of construction, reduction in maintenance burden on Parks staff and aesthetic benefit of plantings. Parks Dept. has been consulted and will work with PWWR to determine availability of property. Grant opportunities also exists to incorporate innovative design and new technologies to study the effect on the watershed. The following parks have been identified for further review and study: 1. Park off of Short Lane 2. Lewis Park 3. Handloff Park (NE Corner) 4. Kells Park 5. Devon Park

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2013
Est. Completion Date	Perpetual
Est. Useful Life (in years)	75+
Est. Total Cost	2,420,766
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	2,420,766
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5295216.9720	$ 2,420,766
Total Project Cost		$ 2,420,766

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES		420,000	441,000	463,050	486,203	510,513	2,320,766
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)			50,000		50,000		100,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	**420,000**	**491,000**	**463,050**	**536,203**	**510,513**	**2,420,766**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Stormwater
PROJECT NO: Q0101	PROJECT TITLE: NPDES Stormwater Quality Program	PROJECT LOCATION: Various Locations	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

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

We received a surface water planning grant in 2014, part of which paid for a report to identify and rank water quality Best Management Practices (BMP) retrofits in stormwater basins around the City, which are better suited to retrofits than the original list above.

We chose not to complete a 2015 project due to uncertainty associated with impending changes to our permit which we have been provided a pre-publication draft. We have commented on the pre-publication draft and anticipate the final draft permit by September 30 and the Final Permit by Decmeber 31. We plaln to utilize the funding appropriated for 2017 in order to complete two projects in 2018. We are planning on $40,000 annually to help with permit compliance.

Depending on the type of facility constructed, ongoing maintenance will be required including mowing, invasive weed removal, inspections, etc. We have assumed $5000 per year per facility in maintenance costs.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2009
Est. Completion Date	Perpetual
Est. Useful Life (in years)	20
Est. Total Cost	200,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	200,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9720	$ 200,000
Total Project Cost		$ 200,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				40,000	40,000	40,000	120,000
CAPITAL RESERVES		40,000	40,000				80,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	40,000	40,000	40,000	40,000	40,000	200,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)		5,000	5,000	5,000	5,000	20,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Stormwater

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
QEQSF	Equipment Replacement Program	

PROJECT STATUS (SELECT FROM DROP DOWN):

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:

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

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	179,375
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	179,375
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5595506.9623	$ 179,375
Total Project Cost		$ 179,375

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		18,000	161,375				179,375
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**18,000**	**161,375**	**-**	**-**	**-**	**179,375**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
STORMWATER UTILITY

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
212	2009 Ford Focus	04/03/09	13,489	52,562	80,000	8	2017	2018	18,000				
230	2007 Int'l SC7000 Sweeper- 4200	10/18/16	75,000	8,252	60,000	8	2024	2024					
231	2008 Tennant ALTV 4300 Litter a.	08/11/08	36,459	--	--	7	2015	2017					
250	2006 Int'l 4700 Catch Basin Clnr	12/22/05	161,375	71,277	60,000	8	2013	2019		161,375			
504	2012 Ford Pickup Truck 4X4	09/21/12	26,245	41,524	110,000	10	2022	2023					
TOTAL STORMWATER DIVISION									**$18,000**	**$161,375**	**$0**	**$0**	**$0**

a. This vehicle scheduled to be replaced in 2017.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-GENERAL FUND

				|----------------2018----------------|		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING				
	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	RESERVES & OTHER FUNDING	CURRENT FUNDING	2018	2019	2020	2021	2022	TOTAL
REQSF	Vehicle Replacement Program	D	$200,000	$0	$0	$0	$220,000	$0	$480,000	$0	$700,000
H1801	Annual Street Program	D	1,515,000	641,671	0	641,671	1,600,000	1,625,000	1,650,000	1,675,000	7,191,671
H1802	ADA Handicap Ramp Transition Plan	B	120,000	120,000	0	120,000	133,150	136,395	139,736	143,178	672,459
H1603	Pothole Patcher	A	0	0	0	0	0	0	0	0	0
H1503	Newark Transportation Plan Implementation	B	252,000	704,000	0	704,000	20,000	20,000	20,000	20,000	784,000
H1403	Pedestrian Crossing Signalization	B	110,000	0	0	0	0	0	0	0	0
H0206	Municipal Bldg Parking Lot Improvements	B	0	0	0	0	0	0	0	0	0
HEQSF	Vehicle Replacement Program	D	220,000	190,000	0	190,000	175,000	0	0	60,000	425,000
TEQSF	Vehicle Replacement Program	D	21,000	0	0	0	67,000	0	0	0	67,000
	Total Public Works-General Fund		$2,438,000	$1,655,671	$0	$1,655,671	$2,215,150	$1,781,395	$2,289,736	$1,898,178	$9,840,130
	GROSS CAPITAL IMPROVEMENTS		$2,438,000	$1,655,671	$0	$1,655,671	$2,215,150	$1,781,395	$2,289,736	$1,898,178	$9,840,130
	LESS: USE OF RESERVES		(1,252,000)	0	0	0	0	0	0	0	0
	VEHICLE/EQUIPMENT REPLACEMENT		(441,000)	(190,000)	0	(190,000)	(462,000)	0	(480,000)	(60,000)	(1,192,000)
	GRANTS		(745,000)	(516,671)	0	(516,671)	(516,671)	(516,671)	(516,671)	(516,671)	(2,583,355)
	BOND ISSUES		0	(95,000)	0	(95,000)	0	0	0	0	(95,000)
	OTHER FINANCING SOURCES		0	(854,000)	0	(854,000)	(150,000)	(150,000)	(150,000)	(150,000)	(1,454,000)
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$1,086,479	$1,114,724	$1,143,065	$1,171,507	$4,515,775

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Refuse
PROJECT NO: REQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION: N/A	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	Various
Est. Total Cost	700,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	700,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 700,000
Total Project Cost		$ 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 FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			220,000		480,000		700,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	220,000	-	480,000	-	700,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	REFUSE COLLECTION													
409	2006 Int'l 7400 One-Man Packer		09/12/05	146,659	82,642	65,000	8	2013	Not to be replaced					
410	2015 Peterbuilt 320 Tractor/Trailer		11/30/14	285,690	31,648	65,000	8	2021	2021				300,000	
411	2016 Freightliner M2 Class 8		05/26/16	232,105	15,468	65,000	8	2024	2024					
418	2008 Int'l 7400 Refuse Truck	a.	07/29/08	117,075	70,211	65,000	8	2016	2017					
423	2009 Int'l 7400 Refuse Truck		06/11/09	151,775	70,184	85,000	8	2017	2019		220,000			
453	2016 Freightliner M2 Class 8		05/26/16	232,105	13,549	75,000	8	2024	2024					
454	2016 Freightliner M2 Class 8		01/07/16	235,157	19,633	65,000	8	2024	2024					
456	2016 Freightliner M2 Class 8		01/07/16	235,157	20,220	65,000	8	2024	2024					
	SPECIAL COLLECTION													
440	2011 Freightliner Knuckleboom		06/17/11	116,148	33,080	100,000	10	2021	2021				180,000	
441	1997 Int'l Knuckleboom		12/31/96	67,190	109,329									
TOTAL REFUSE DIVISION										**$0**	**$220,000**	**$0**	**$480,000**	**$0**

a. This vehicle scheduled to be replaced in 2017.

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street
PROJECT NO: H1801	PROJECT TITLE: Annual Street Program	PROJECT LOCATION: Various Locations	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

In 2010 we contracted with a consultant to utilize an optimization software to analyze our road survey data. This program provided the City the optimal street repair locations and methods to use for the most economical use of our funding. We used the projected out years provided with the 2011 work plan to prioritize streets through the 2015 program year. In 2016 we again contracted with the same firm and have developed another 5-year work plan. The result of the analysis was confirmation of the need for an increase in funding for road rehabilitation or else the average Pavement Conditions Index (PCI) for the city will continue to decline and the backlog of needed improvements will continue to increase.

As discussed during the budget process last year we estimated that we would need to spend approximately $1.5 - $2.0 Million each year to maintain our current roadway conditions. Our consultant has confirmed that assumption. We ran deterioration simulations using five different annual funding levels: $750M, $1MM, $1.5MM, "Maintain Current Conditions" and "Improve to average PCI of 80."

$750M - Backlog increases from $14.5MM to $29.2MM, PCI decreases from 76 to 61, % "Poor/Very Poor" increases from 20% to 27%
$1MM - Backlog increases from $14.5MM to $24.8MM, PCI decreases from 76 to 65, % "Poor/Very Poor" increases from 20% to 22%
$1.5MM - Backlog increases from $14.5MM to $17.2MM, PCI decreases from 76 to 73, % "Poor/Very Poor" decreases from 20% to 13%
$1.75MM - Backlog decreases from $14.5MM to $12.9MM, PCI remains the same, % "Poor/Very Poor" decreases from 20% to 8%
$2.1MM - Backlog decreases from $14.5MM to $8.8MM, PCI increases from 76 to 80, % "Poor/Very Poor" decreases from 20% to 4%

The parking lot at City Hall is showing serious signs of deterioration and poor drainage. This project proposes to make minor changes to the lot configuration to add parking spaces as well as remove the existing hot mix, install underdrains and repave this parking lot. Current estimate is $320,000 for full mill, curb replacement, under drain installation, and repaving.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	15
Est. Total Cost	7,191,671
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	7,191,671
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9760	$ 7,191,671
Total Project Cost		$ 7,191,671

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				958,329	983,329	1,008,329	1,033,329	3,983,316
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)	MSA - Updated 2017		491,671	491,671	491,671	491,671	491,671	2,458,355
OTHER (Specify)	CTF		150,000	150,000	150,000	150,000	150,000	750,000
OTHER (Specify)								-
TOTAL		-	641,671	1,600,000	1,625,000	1,650,000	1,675,000	7,191,671

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
H1802	ADA Accessibility Transition Plan	Various Locations

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Inclusive Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The US Department of Justice per the ADA (American with Disabilities Act) requires incorporated communities to establish a transition plan to upgrade their public facilities to meet ADA accessibility standards. At the start of 2016 we had 1689 ramps in the City and 20 locations that are in need of ramps. Out of this total, 1347 were ADA compliant and 342 are non-compliant. This is down from the first year of the program when there were 1076 ramps out of compliance.

The 2016 ADA Accessibility Contract will address 51 of these non-compliant ramps, assuming favorable bid results that allow us to execute the entire proposed contract. That will leave 291 non compliant ramps by the end of 2016. Using last year's pricing of approximately $2,800 per ramp and 3% inflation will require $120,000 per year for the next eight years. $360,000 of the Balance to be funded amount is beyond the five year period detailed below.

Since we have a plan in place to address non-compliant ramps and are successfully following the plan we are in compliance with the ADA.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2009
Est. Completion Date	2024
Est. Useful Life (in years)	20
Est. Total Cost	672,459
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	672,459
% Complete (if underway)	80%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Other Contracts	1191196.9621	$ 25,000
Other Contracts	3063006.9760	$ 647,459
Total Project Cost		$ 672,459

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				108,150	111,395	114,736	118,178	452,459
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES			95,000					95,000
GRANTS (Specify)	CDBG		25,000	25,000	25,000	25,000	25,000	125,000
OTHER (Specify)								-
OTHER (Specify)								-
TOTAL		-	120,000	133,150	136,395	139,736	143,178	672,459

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street
PROJECT NO: H1503	PROJECT TITLE: Newark Transportation Plan Implementation	PROJECT LOCATION: Various Locations	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 2 - High Priority Level — Critical need to remediate failing service, prevent failure, or generate savings

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Newark City Council has approved the "Newark Transportation Plan" and "Newark Bicycle Plan" and this project intends to begin implementing the recommendations contained within each plan. During 2015, two potential projects have come into focus that will require funding in 2016: Pedestrian improvements on East Main Street and investigation of the existing traffic signals on West Park Place to determine if they are warranted and if so what pedestrian improvements should be made.

During 2015, the PWWR Department, in coordination with the DNP and our community affairs officer prepared and submitted a "Transportation Alternatives Program" grant application for a project that would expand on the already successful curb extensions on Main Street. The current crossings would be extended to the full length of the no parking areas, preventing the illegal parking of vehicles just upstream of crosswalks that block the view of pedestrians to oncoming drivers. These new sidewalk areas will be used to install benches that can be used by the disabled and senior citizens to rest while walking on Main Street. Additional bike parking will be included in the islands, promoting alternative transportation methods. DelDOT's consultant has begun design and as of now construction is scheduled to be coordinated with the resurfacing project now set for 2018. $20k in additional funding to 2017 for construction because we now believe the total project cost will exceed our original estimate.

Additionally, DelDOT has begun a signal warrant analysis of the West Park Place signalized intersections that we expect to have in-hand by the end of 2016. Improvements here are not grant eligible so I have placed a $30k to cover initial design costs.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2015
Est. Completion Date	2018
Est. Useful Life (in years)	20
Est. Total Cost	1,036,000
Est. Spend @ 12/31 (if underway)[1]	120,000
Balance to be funded[1]	916,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9760	$ 916,000
Total Project Cost		$ 916,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				20,000	20,000	20,000	20,000	80,000
CAPITAL RESERVES		132,000						132,000
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	DelDOT		704,000					704,000
OTHER (Specify)								-
TOTAL		132,000	704,000	20,000	20,000	20,000	20,000	916,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Street
PROJECT NO: HEQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION:	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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:

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

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	425,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	425,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 425,000
Total Project Cost		$ 425,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		190,000	175,000			60,000	425,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	190,000	175,000	-	-	60,000	425,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	FOREMAN'S TRUCK													
515	2013 Ford F150 Pickup		06/28/13	19,994	36,319	95,000	10	2023	2023					
	SIGNS & PAINTING													
551	2012 Ford F450 Stake Truck		01/20/12	50,759	46,078	100,500	8	2020	2022					60,000
	DUMP TRUCKS													
522	2015 Ford F-650		07/31/15	106,500	7,745	75,000	10	2025	2025					
523	2012 International 7400 SBA	a.	10/14/11	216,985	17,946	75,000	7	2018	2019		175,000			
528	2002 Int'l 4900 Dump Truck	d.	08/31/01	88,107	57,795	100,000	10	2011	2017					
542	2006 Ford SuperDuty F-350 Dump	d.	08/18/06	32,046	69,485	85,000	10	2016	2017					
550	2004 Int'l 7400 Dump Truck	d.	11/21/03	95,845	59,893	75,000	10	2013	2017					
553	2013 Intl 7400 Dump Truck/Swap L	b.	03/28/13	216,985	14,820	80,000	10	2023	2023					
554	2004 Int'l 7400 Dump Truck	d.	11/21/03	95,845	63,746	60,000	10	2013	2017					
	OTHER EQUIPMENT													
508	2000 Tarco Windy 400 Vac Leaf Lo	c.	12/15/00	35,200	--	--								
509	2001 Tarco Windy 400 Vac Leaf Lo	c.	07/13/01	35,200	--	--								
510	2000 Tarco Windy 400 Vac Leaf Loade		02/20/98	34,689	--	--	12	2010	2018	60,000				
511	2013 Case 590 SM Loader/Backhoe		01/07/14	92,375	--	--	9	2023	2023					
531	2003 JCB Model 426 Loader		11/07/03	93,872	--	--	10	2013	2018	130,000				
TOTAL STREET DIVISION										**$190,000**	**$175,000**	**$0**	**$0**	**$60,000**

a. This vehicle is the first swaploader purchase. Old 523, a 1997 Int'l 4900, was renumbered 552 and retained as a backup vehicle.
b. This vehicle is the second swaploader- funds from 508 and 509 (not to be replaced) were used to purchase in 2013.
c. This vehicle will not be replaced - its replacement funds were used as part of the second swap loader replacement (vehicle 553)
d. This vehicle scheduled to be replaced in 2017.

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Engineering

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
TEQSF	Equipment Replacement Program	

PROJECT STATUS (SELECT FROM DROP DOWN):

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.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	67,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	67,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 67,000
Total Project Cost		$ 67,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			67,000				67,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	67,000	-	-	-	67,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	STAFF CARS												
714	2015 Ford F-350 SD Picl	11/30/14	30,978	9,334	85,000	10	2025	2025					
735	2002 Dodge Ram 1500 I	04/26/02	13,543	85,863	80,000	10	2012	2019		21,000			
	INSPECTORS												
700	2001 Jeep Cherokee 4X	03/16/01	18,814	56,028	65,000	10	2011	2019		25,000			
711	2003 Dodge Ram 1500 Pickup	09/13/02	14,980	60,396	52,000	10	2012	2019		21,000			
748	2017 Ford F-150	08/04/17	20,832	148	60,000	10	2027	2027					
	SURVEY VAN												
746	2013 Ford Van Transit Connect	08/30/13	21,806	10,593	99,000	10	2023	2023					
TOTAL ENGINEERING DIVISION									**$0**	**$67,000**	**$0**	**$0**	**$0**

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
POLICE DEPARTMENT-GENERAL FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	|------2018------| RESERVES & OTHER FUNDING	CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
C1801	Motorola Vehicle Radio Upgrade	B	$0	$108,603	$0	$108,603	$0	$0	$0	$0	$108,603
C1802	Police Office Chair Replacement Project	D	0	9,500	0	9,500	0	0	0	0	9,500
C1601	Taser X26P Replacement	B	18,818	20,389	0	20,389	21,408	22,478	23,602	24,782	112,659
C1401	Ballistic Vests	B	6,000	3,000	0	3,000	13,390	11,671	33,883	14,638	76,582
CEQSF	Vehicle Replacement Program	B	312,000	184,000	0	184,000	445,000	30,000	96,000	50,000	805,000
	Total Police Department		$336,818	$325,492	$0	$325,492	$479,798	$64,149	$153,485	$89,420	$1,112,344
	GROSS CAPITAL IMPROVEMENTS		$336,818	$325,492	$0	$325,492	$479,798	$64,149	$153,485	$89,420	$1,112,344
	LESS: USE OF RESERVES		(6,000)	0	0	0	0	0	0	0	0
	VEHICLE/EQUIPMENT REPLACEMENT		(330,818)	(325,492)	0	(325,492)	(479,798)	(64,149)	(153,485)	(89,420)	(1,112,344)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	0	0	0	0	0	0	0	0
	OTHER FINANCING SOURCES		0	0	0	0	0	0	0	0	0
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$0	$0	$0	$0	$0

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Police	DIVISION:	Police

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
C1801	Motorola Vehicle Radio Upgrade	Police Station

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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 State of Delaware Division of Communications is upgrading the Statewide 800 MHz radio system. This radio upgrade will replace key infrastructure that is almost 20 years old. As part of this upgrade all in-vehicle 800MHz radios must be replaced by 2024, funded by each individual police agency. To help facilitate this process Motorola is offering rebates through 2021 with the rebate amount decreasing by $200 each year. The 2018 rebate is currently $900 per unit. In order to maximize cost savings (approx. $30,000) The department recommends purchasing all 33 replacement radios in 2018. (Note – Motorola will not offer replacement parts for our current radios after 2018)

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	15
Est. Total Cost	108,603
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	108,603
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	3063006.9622	$ 108,603
Other Contracts		
Total Project Cost		$ 108,603

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		108,603					108,603
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	108,603	-	-	-	-	108,603

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Police	DIVISION:	Police

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
C1802	Police Office Chair Replacement Project	Police Station

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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 amount reflects the replacement of 37 upholstered chairs that will be 25 years old in 2018. These chairs are original to the building and are in poor condition with the majority ripped, stained and without full functionality. Cost reflects $250/ea x 37 + estimated shipping.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	9,500
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	9,500
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials	3063006.9622	$ 9,500
Other Contracts		
Total Project Cost		$ 9,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		9,500					9,500
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	9,500	-	-	-	-	9,500

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Police	DIVISION:	Police

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
C1601	Taser X26P Replacement	Police Station

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The Taser is a less lethal weapon utilized by officers to defend themselves or others from aggressive or actively resistant persons while reducing the risk of receiving or inflicting injury. The manufacturer warranties the X26P for 5 years. Our existing inventory of tasers are in need of replacement. A taser & holster costs a total of $1456.35/ea for 2018. Our plan is to replace 14 tasers per year. 2019 to 2022 cost estimates represent a 5% per year price increase as provided by Taser.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	5
Est. Total Cost	112,659
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	112,659
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	3063026.9622	$ 112,659
Other Contracts		
Total Project Cost		$ 112,659

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		20,389	21,408	22,478	23,602	24,782	112,659
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**20,389**	**21,408**	**22,478**	**23,602**	**24,782**	**112,659**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Police	DIVISION:	Police

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
C1401	Ballistic Vests	Police Station

PROJECT STATUS (SELECT FROM DROP DOWN):	In Progress
PRIORITY: 1 - Highest Priority Level	Project underway and must be completed
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:	Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The ballistic vests are necessary to ensure the safety of police officers. Ballistic vests have a five year expiration date. 3 vests expire in 2018 and must be replaced. 13 vests expire in 2019. 11 vests expire in 2020. 31 vests expire in 2021, 13 vests expire in 2022. 2019 to 2022 numbers represent a 3% per year estimated increase.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	5
Est. Total Cost	76,582
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	76,582
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	3063006.9622	$ 76,582
Other Contracts		
Total Project Cost		$ 76,582

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		3,000	13,390	11,671	33,883	14,638	76,582
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**3,000**	**13,390**	**11,671**	**33,883**	**14,638**	**76,582**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Police	DIVISION:	Police
PROJECT NO: CEQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION: Police Station	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	Various
Est. Total Cost	805,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	805,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 805,000
Total Project Cost		$ 805,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		184,000	445,000	30,000	96,000	50,000	805,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**184,000**	**445,000**	**30,000**	**96,000**	**50,000**	**805,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
POLICE DEPARTMENT PAGE 1 OF 2

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	STAFF CARS												
921	2016 Chevrolet Impala	06/22/16	22,463	10,395	65,000	10	2026	2026					
924	2013 Chevy Caprice PPV Patrol	06/28/13	32,854	38,384	65,000	10	2023	2023					
927	2006 Ford Crown Victoria	08/11/06	23,093	69,931	75,000	10	2016	2018	30,000				
	PATROL												
900	2105 Chevy Tahoe C1500	12/22/14	38,203	21,796	75,000	5	2019	2021				48,000	
905	2014 Chevy Caprice PPV Patrol	04/03/14	28,485	33,997	75,000	5	2019	2019		40,000			
906	2105 Chevy Tahoe C1500	12/22/14	36,499	41,589	105,000	5	2019	2021				48,000	
907	2013 Chevy Caprice PPV Patrol	06/28/13	33,392	85,624	75,000	5	2018	2019		40,000			
909	2014 Chevy Caprice PPV Patrol	09/30/14	30,670	57,316	120,000	5	2019	2019		40,000			
910	2012 Chevy Caprice PPV Patrol	07/26/12	34,910	88,944	110,000	5	2017	2019		40,000			
914	2015 Chevy Tahoe 4X4 PPV	08/03/15	31,840	21,069	85,000	7	2022	2022					50,000
915	2012 Chevy Caprice PPV Patrol	08/02/12	34,882	95,857	110,000	5	2017	2019		40,000			
918	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	47,942	50	75,000	5	2023	2023					
923	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	48,546	349	75,000	5	2023	2023					
925	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	47,942	322	75,000	5	2023	2023					
926	2011 Ford Crown Victoria	07/29/11	29,584	118,945	75,000	5	2016	2019		40,000			
928	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	47,662	105,043	75,000	5	2023	2023					
929	2008 Ford Crown Victoria	05/28/08	21,001	83,024	100,000	5	2013	2018	30,000				
931	2015 Chevy Tahoe 4X4 PPV	09/22/15	33,834	19,498	75,000	7	2022	2023					
935	2012 Chevy Caprice PPV Patrol	07/26/12	34,846	127,257	75,000	5	2017	2019		40,000			
936	2017 Chevy Tahoe PPV 4X4 Patrol	07/18/17	38,432	50	75,000	5	2023	2023					
937	2006 Ford E-350 Super Van	12/08/06	26,800	3,069	15,000	10	2016	2019		35,000			
941	2012 Chevy Caprice PPV Patrol	10/12/12	39,103	49,384	110,000	5	2017	2019		40,000			
991	2009 Ford F250 3/4 Ton Pickup	04/24/09	37,488	66,146	80,000	10	2019	2019		30,000			
994	2008 Ford Crown Victoria	05/09/08	24,420	85,930	75,000	5	2013	2018	30,000				
998	2008 Chev Mobile Command Center	07/31/09	197,920	2,238									

(Continued on next page)

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
POLICE DEPARTMENT PAGE 2 OF 2

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	CRIMINAL												
911	2012 Chevy Impala	06/08/12	21,534	37,434	65,000	7	2019	2019		30,000			
912	2010 Ford Crown Victoria	05/28/10	23,474	70,662	65,000	7	2017	2018	30,000				
913	2013 Chevrolet Impala	08/09/13	22,644	33,358	65,000	7	2020	2020			30,000		
920	2011 Ford Crown Victoria	07/22/11	24,414	40,153	75,000	7	2018	2019		30,000			
922	2017 Chevy Impala	06/05/17	12,436	1,291	65,000	7	2024	2024					
932	2004 Ford 15 Passenger Van	03/19/04	19,307	15,770	75,000	10	2014	2018	24,000				
938	2005 Ford Excursion	01/28/08	N/A	34,417	N/A	N/A	N/A						
940	2017 Chevrolet Impala	06/19/17	12,436	1,386	65,000	7	2024	2024					
990	2004 Chevrolet Silverado	05/03/07	2,723	--	--	N/A	N/A						
	TRAFFIC												
902	2016 Harley Motorcycle	07/20/16	26,047	2,175	80,000	10	2026	2026					
903	2016 Harley Motorcycle	07/20/16	24,652	3,164	80,000	10	2026	2026					
904	2016 Harley Motorcycle	07/20/16	24,652	3,170	80,000	10	2026	2026					
908	2010 Chevrolet Tahoe K1500 LS	08/05/10	35,596	75,534	90,000	7	2017	2018	40,000				
917	2016 Chevrolet Silverado1500 4X4	08/05/16	37,401	41,445	75,000	7	2023	2023					
930	2016 Chevy Tahoe PPV 4X4 Patrol	05/26/16	48,877	10,652	80,000	7	2023	2023					
934	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	37,987	86,006	75,000	7	2025	2025					
939	2017 Chevy Tahoe PPV 4X4 Patrol	06/22/17	37,987	3,384	80,000	7	2025	2025					
TOTAL POLICE DEPARTMENT									**$184,000**	**$445,000**	**$30,000**	**$96,000**	**$50,000**

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
PARKS & RECREATION DEPARTMENT-GENERAL FUND

				|---------------2018---------------|		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	RESERVES & OTHER FUNDING	CURRENT FUNDING	2018	2019	2020	2021	2022	TOTAL
K1704	Picnic Shelter-Lumbrook Park	C	$0	$0	$0	$0	$0	$45,000	$0	$0	$45,000
K1601	Bicycle/Pedestrian Bridge-Curtis Mill/Kershaw	B	200,000	800,000	0	800,000	750,000	0	0	0	1,550,000
K1605	Redd Park Trail Improvements	C	0	32,000	0	32,000	30,000	0	0	0	62,000
K1501	Iron Glen Park Master Plan	C	0	0	0	0	0	0	50,000	0	50,000
K1502	Fitness Stations	C	0	20,000	0	20,000	0	0	0	0	20,000
K1301	Hard Surface Facility Improvements	B	194,000	50,000	0	50,000	145,000	422,000	280,000	238,000	1,135,000
K1303	Facilities Accessibility	C	0	20,000	0	20,000	20,000	20,000	20,000	20,000	100,000
K1305	Pomeroy Trail Connector	C	0	0	0	0	120,000	0	0	0	120,000
K1202	Kershaw Park Lot Improvements	C	0	0	0	0	0	0	200,000	0	200,000
K1203	Old Paper Mill Park Improvements	C	0	0	0	0	100,000	0	600,000	600,000	1,300,000
K0908	Children's Play Equipment	C	0	20,000	0	20,000	60,000	40,000	40,000	0	160,000
KEQSF	Vehicle Replacement Program	D	32,000	62,000	0	62,000	245,000	25,000	28,000	90,000	450,000
	Total Parks & Recreation Department		$426,000	$1,004,000	$0	$1,004,000	$1,470,000	$552,000	$1,218,000	$948,000	$5,192,000
	GROSS CAPITAL IMPROVEMENTS		$426,000	$1,004,000	$0	$1,004,000	$1,470,000	$552,000	$1,218,000	$948,000	$5,192,000
	LESS: USE OF RESERVES		(394,000)	0	0	0	0	0	0	0	0
	VEHICLE/EQUIPMENT REPLACEMENT		(32,000)	(62,000)	0	(62,000)	(245,000)	(25,000)	(28,000)	(90,000)	(450,000)
	GRANTS		0	(855,550)	0	(855,550)	(240,000)	0	0	0	(1,095,550)
	BOND ISSUES		0	(86,450)	0	(86,450)	(205,000)	(462,000)	(320,000)	(238,000)	(1,311,450)
	OTHER FINANCING SOURCES		0	0	0	0	(300,000)	0	0	0	(300,000)
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$480,000	$65,000	$870,000	$620,000	$2,035,000

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1704	PROJECT TITLE: Lumbrook Park Pavilion	PROJECT LOCATION: Lumbrook Park	
PROJECT STATUS (SELECT FROM DROP DOWN):		New Project	
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Purchase and construct a shelter with concrete floor and picnic tables. This would replace the current shelter that is over 36 years old, leaking and in need of replacement.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2017
Est. Completion Date	2020
Est. Useful Life (in years)	40
Est. Total Cost	45,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	45,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 45,000
Total Project Cost		$ 45,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				45,000			45,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**-**	**-**	**45,000**	**-**	**-**	**45,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
K1601	CHARLES EMERSON BICYCLE/PEDESTRIAN BRIDGE	CURTIS MILL AND KERSHAW PARKS AT PAPER MILL ROAD

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THIS PROJECT IS INCLUDED IN THE 2011 MASTER PLAN WHICH INCLUDES PLACEMENT OF A BICYCLE/PEDESTRIAN BRIDGE OVER THE WHITE CLAY CREEK CONNECTING CURTIS MILL PARK AND KERSHAW PARK. FEDERAL HIGHWAY ADMINISTRATION ""ALTERNATIVE TRANSPORTATION PROGRAM"" (TAP) FUNDING HAS BEEN SECURED FOR THE PROJECT IN THE AMOUNT OF $1,000,000. THE FUNDS WILL BE DISTRIBUTED TO DELDOT. DELDOT AND THEIR CONSULTANT (WHITMAN REQUARDT) WILL DO THE PERMITTING, SURVEYING, CONSTRUCTION CONTRACT PREPARATION AND PROJECT OVER SITE. NEWARK WILL ASSUME MAINTENANCE RESPONSIBILITIES ONCE BUILT. THE TAP FUNDING REQUIRES A 20% ($200,000) LOCAL MATCH. WE HAVE RECEIVED APPROVAL FROM DTF FOR A $200,000 GRANT TO FUND THE LOCAL MATCH REQUIREMENT. THE CITY HAS ALSO OBTAINED ADDITIONAL FUNDING FOR THIS PROJECT: $200,000 FROM NEW CASTLE COUNTY, $150,000 FROM LEGISLATOR COMMUNITY TRANSPORTATION FUND, AND $100,000 FROM THE UNIVERSITY OF DELAWARE. THE PROJECT HAS A TOTAL OF $1,450,000 IN FUNDING SECURED FOR THE PROJECT.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2016
Est. Completion Date	2019
Est. Useful Life (in years)	50
Est. Total Cost	1,750,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	1,750,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 1,750,000
Total Project Cost		$ 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.

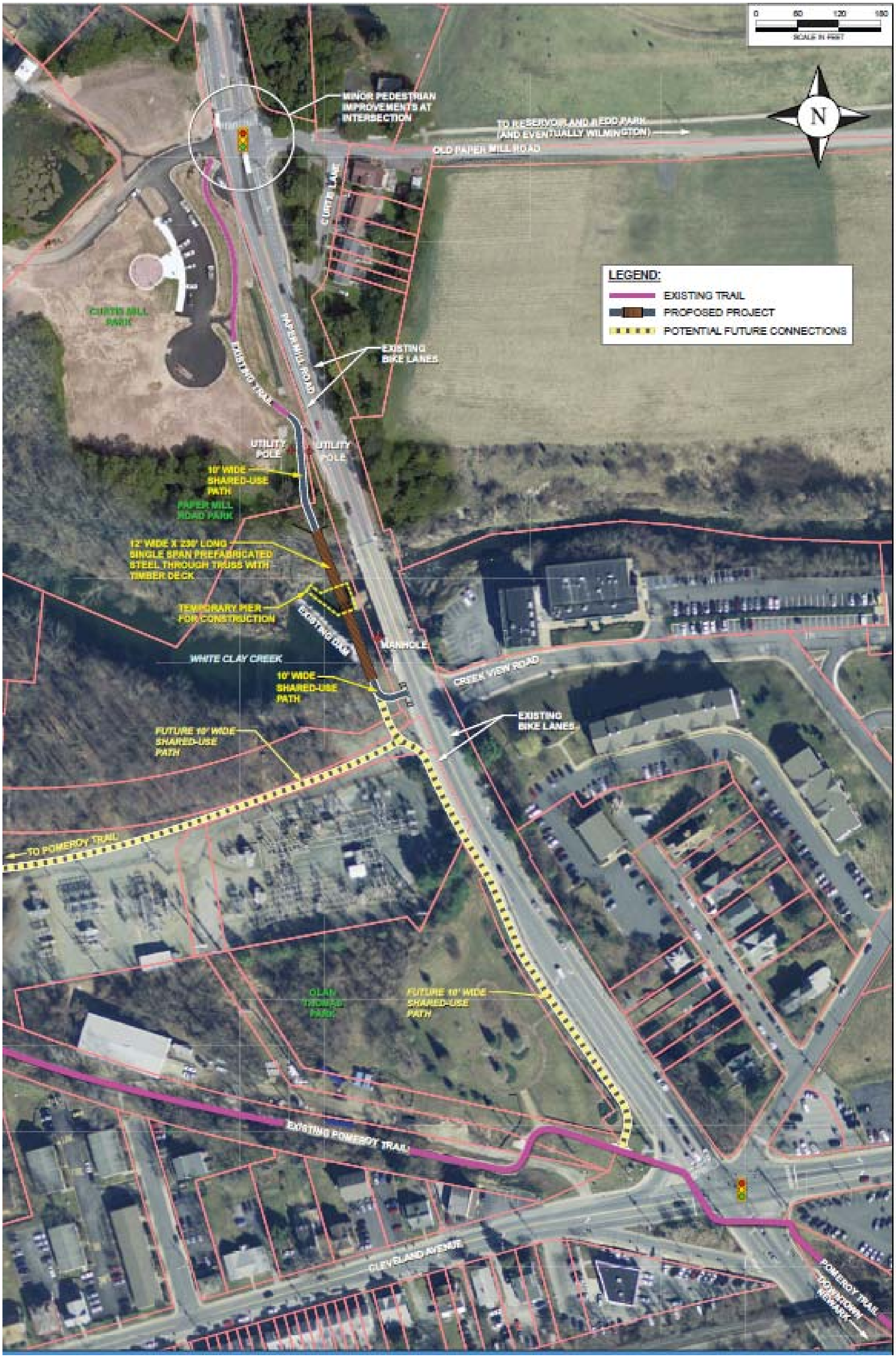
PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				300,000				300,000
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)	RPT, FHWA, CTF	200,000	800,000	150,000				1,150,000
OTHER (Specify)	NCC			200,000				200,000
OTHER (Specify)	UD			100,000				100,000
TOTAL		200,000	800,000	750,000	-	-	-	1,750,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-



SCALE IN FEET
N
MINOR PEDESTRIAN IMPROVEMENTS AT INTERSECTION
TO RESERVOIR AND REDD PARK (AND EVENTUALLY WILMINGTON)
OLD PAPER MILL ROAD
CURTIS LANE
LEGEND:
EXISTING TRAIL
PROPOSED PROJECT
POTENTIAL FUTURE CONNECTIONS
CURTIS MILL PARK
PAPER MILL ROAD
EXISTING TRAIL
EXISTING BIKE LANES
UTILITY POLE
UTILITY POLE
10' WIDE SHARED-USE PATH
PAPER MILL ROAD PARK
12' WIDE X 230' LONG SINGLE SPAN PREFABRICATED STEEL THROUGH TRUSS WITH TIMBER DECK
TEMPORARY PIER FOR CONSTRUCTION
EXISTING DAM
MANHOLE
WHITE CLAY CREEK
CREEK VIEW ROAD
10' WIDE SHARED-USE PATH
EXISTING BIKE LANES
FUTURE 10' WIDE SHARED-USE PATH
TO POMEROY TRAIL
OLAN THOMAS PARK
FUTURE 10' WIDE SHARED-USE PATH
EXISTING POMEROY TRAIL
CLEVELAND AVENUE
POMEROY TRAIL DOWNTOWN NEWARK

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1605	PROJECT TITLE: REDD PARK TRAIL IMPROVEMENTS	PROJECT LOCATION: WILLIAM REDD PARK	

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 2 - High Priority Level — Critical need to remediate failing service, prevent failure, or generate savings

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THIS REQUEST IS TO FUND THE COMPLETION OF TRAIL SURFACE AMENDMENTS AND TO PURCHASE MATERIALS TO CONSTRUCT AND INSTALL A FOOTBRIDGE OVER A TRIBUTARY OF JENNEY'S RUN FOR THE REDD PARK TRAIL NETWORK. WE WILL BE REQUESTING FUNDING THROUGH THE STATE'S RECREATION TRAILS PROGRAM (RTP). THE PROGRAM REQUIRES A 20% LOCAL MATCH. THIS TRAIL ADDITION WILL CONNECT REDD PARK AND THE NEWARK RESERVOIR TRAILS TO PAPER MILL ROAD NEAR THE THOMPSON STATION INTERSECTION AND EASY ACCESS TO THE STATE OF DELAWARE'S TRI-VALLEY TRAIL.

IF THE GRANT FUNDING IS NOT FORMALLY APPROVED, THIS PROJECT WILL BE DEFERRED.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2016
Est. Completion Date	2019
Est. Useful Life (in years)	20
Est. Total Cost	62,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	62,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 62,000
Total Project Cost		$ 62,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)	RTP/CTF		32,000	30,000				62,000
OTHER (Specify)								-
OTHER (Specify)								-
TOTAL		-	**32,000**	**30,000**	-	-	-	**62,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1501	PROJECT TITLE: Iron Glenn Park Master Plan	PROJECT LOCATION: Iron Glenn Park, Elkton Road	
PROJECT STATUS (SELECT FROM DROP DOWN):		New Project	
PRIORITY:	3 - Medium-High	The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

In 1994 Newark acquired this 12.7 acre parcel. The purchase was funded by the Delaware Land and Water Conservation Trust Fund (DTF). A stipulation when using DTF funding is that the property must be utilized for public outdoor recreation . For the past 12 years the site has been used as one of the City's leaf and yard waste sites. That operation is being relocated. This project is to have a master plan completed for the parkland.

Moved to 2021 to align project with DelDot improvements for Elkton Rd. and the signalization of the park entrance.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2015
Est. Completion Date	2021
Est. Useful Life (in years)	50
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	50,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 50,000
Total Project Cost		$ 50,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES					50,000		50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	50,000	-	50,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1502	PROJECT TITLE: FITNESS STATIONS	PROJECT LOCATION: ALONG TRAILS: HALL, POMEROY & OTHER LOCATIONS	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY:	3 - Medium-High	The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE DEPARTMENT HAS RECEIVED REQUESTS TO INSTALL FITNESS STATIONS ALONG TRAILS. THIS PROGRAM STARTED IN 2015 WITH FOUR (4) STATIONS PLACED ALONG THE HALL TRAIL. THIS FIRST PHASE WAS FUNDED BY REVENUES FROM THE MAYOR'S MASQUERADE RUN. ADDED FITNESS AMENITIES ALONG THE HALL AND POMEROY TRAILS AND OTHER LOCATIONS THROUGHOUT THE PARK SYSTEM.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2015
Est. Completion Date	2018
Est. Useful Life (in years)	12
Est. Total Cost	20,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	20,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 20,000
Total Project Cost		$ 20,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)		20,000					20,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**20,000**	**-**	**-**	**-**	**-**	**20,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	200	200	200	200	200	1,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1301	PROJECT TITLE: HARD SURFACE FACILITIES IMPROVEMENTS	PROJECT LOCATION: VARIOUS	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

THE CITY'S INVENTORY OF HARD SURFACE FACILITIES, SUCH AS MULTI-PURPOSE COURTS, STREET HOCKEY COURTS, TENNIS COURTS, PARKING LOTS, HARD SURFACE TRAILS, BASKETBALL COURTS, ETC. ARE EVALUATED EACH YEAR AND SCHEDULED FOR PERIODIC REPLACEMENT, UPGRADES AND/OR RESURFACING. 2018 SCHEDULED PROJECT WILL INCLUDES KERSHAW PARK ASPHALT OVERLAY, PURCAHSE OF NEW POSTS AND RE-LINE OF COURT AREA.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	20
Est. Total Cost	1,135,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	1,135,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	3063006.9620	$ 1,135,000
Total Project Cost		$ 1,135,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		50,000	145,000	422,000	280,000	238,000	1,135,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**50,000**	**145,000**	**422,000**	**280,000**	**238,000**	**1,135,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)						-

Parks and Recreation

Details for Capital Project No. K1301 - Hard Surface Facility Improvements

Revised: October 4, 2017

2018

• Kershaw Park: Asphalt overlay, new posts and re-line	$50,000
	$50,000

2019

• Kells Parking Lot: Asphalt overlay	$45,000
• Lewis Parking Lot: Asphalt overlay	$20,000
• Fairfield Multi-Purpose Court	$20,000
• Fairfield Crest and Lewis Tennis Courts: Crack repair with membrane system.	$55,000
• Wilson Center Basketball Court: Sealed with latex sealer and re-striped	$5,000
	$145,000

2020

• Dickey Parking Lot: Asphalt overlay	$120,000
• Lumbrook Park Multi-Purpose Court & Parking Lot: Asphalt overlay	$50,000
• White Chapel Basketball Court: Asphalt overlay	$12,000
• Handloff Parking Lots and Multi-Purpose Court: Asphalt Overlay	$180,000
• Fairfield Parking Lot: Asphalt overlay	$60,000
	$422,000

2021

• Folk Trail: Asphalt overlay	$70,000
• Fairfield and Fairfield Crest Tennis Courts: Slip sheet of crushed stone asphalt overlay, net, net parts and fencing.	$150,000
• Fairfield Parking lot: Asphalt overlay	$60,000
	$280,000

2022

• James F. Hall Trail: Asphalt overlay	$150,000
• Dickey Park Multi-Purpose court	$40,000
• Karpinski Park Trail: Asphalt overlay	$48,000
	$238,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1303	PROJECT TITLE: Facilities Accessibility (ADA Compliance)	PROJECT LOCATION: Various	
PROJECT STATUS (SELECT FROM DROP DOWN):		New Project	
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

ADA COMPLIANT ACCESS TO PARK FACILITIES. FOLLOWING FEDERAL GUIDELINES, WE ARE INVOLVED IN A PROGRAM TO CREATE ACCESS TO AT LEAST 20% OF OUR FACILITIES TO INCLUDE: PLAYING COURT SITES, PLAYGROUND EQUIPMENT, PICNIC SHELTERS AND HARD SURFACE TRAILS. 2018 IMPROVEMENTS WILL INCLUDE KELLS PARK, HANDLOFF PARK AND FOLK PARK AND OTHER VARIOUS LOCATIONS THROUGHOUT THE PARK SYSTEM.

Please note, $30,000.00 of the total funding that will be needed in years 2023 and 2024.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2014
Est. Completion Date	2024
Est. Useful Life (in years)	20
Est. Total Cost	130,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	130,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 130,000
Total Project Cost		$ 130,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			20,000	20,000	20,000	20,000	80,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		20,000					20,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**20,000**	**20,000**	**20,000**	**20,000**	**20,000**	**100,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1305	PROJECT TITLE: Pomeroy Trail Connector	PROJECT LOCATION: Fairfield Crest to Creek Road	
PROJECT STATUS (SELECT FROM DROP DOWN):		**New Project**	
PRIORITY:	2 - High Priority Level	Critical need to remediate failing service, prevent failure, or generate savings	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Surface improvements to the maintenance road/trail leading from Fremont Road (Fairfield Crest) to Creek Road and nearby access to the Pomeroy Trail. The maintenance Road is located within a utility easement the City has with the U of D. The City will commit to making the improvements and long term maintenance to the road/trail. This project is an important connection to trails East and West. Will attempt to secure Delaware Transportation Fund or Recreation Trails Grant Funding for this project. Work will include asphalt paving, engineering and storm water management as well as improved lighting.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2014
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	120,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	120,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 120,000
Total Project Cost		$ 120,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**		**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES				60,000				60,000
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)	CTF			60,000				60,000
OTHER (Specify)								-
OTHER (Specify)								-
TOTAL		**-**	**-**	**120,000**	**-**	**-**	**-**	**120,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)						


provides access to Fairfield Crest, Fairfield Crest Park, Fairfield/ Fairfield Crest Pool as well as low-stress street access to residential developments west
provides access to White Clay Creek State Park trails via Creek Road to the north and downtown Newark and James F. Hall Trail via Pomeroy Trail to the south
POMEROY TRAIL CONNECTOR
White Clay Creek
University of Delaware Laird Campus
New London Veterinary Center
Mid Atlantic Realty
Nick & Joe's Pizza
Dollar General
Fairfield Apartments
Fairfield Crest Park
Fairfield Crest
Fremont Rd
Country Club Dr
Rite Aid
New London Rd
896
Laird Campus Resident
N College Ave
Pomeroy Rail Trail

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K1202	PROJECT TITLE: Kershaw Park Improvements	PROJECT LOCATION: Kershaw Park	
PROJECT STATUS (SELECT FROM DROP DOWN):		**New Project**	
PRIORITY:	3 - Medium-High	The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The project is included in the 2011 Master Plan which was created for this site as well as the Curtis Mill Park and Old Paper Mill Road Park. the Curtis Mill Park project was completed in 2015. The project includes parking lot improvements and creating a Pomeroy Trail connection from Paper Mill Road on the South side of the White Clay Creek Bridge. Project Scope: Design and engineering , survey, permitting and construction management and landscaping. Parking lot improvements and creating a Pomeroy Trail connection from Paper Mill Road just across the South side of the White Clay Creek Bridge.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2012
Est. Completion Date	2021
Est. Useful Life (in years)	50
Est. Total Cost	200,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	200,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 200,000
Total Project Cost		$ 200,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES					200,000		200,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	**200,000**	-	**200,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)			2,000	2,000	2,000	6,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
K1203	Old Paper Mill Park Improvements	Old Paper Mill Road

PROJECT STATUS (SELECT FROM DROP DOWN): **New Project**

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

A MASTER PLAN FOR THIS PROJECT WAS COMPLETED IN 2011, AN UPDATED PLAN WILL NEED TO BE DEVELOPED. NEW PARK CONSTRUCTION. PROJECT SCOPE: INSTALLATION OF A NEW PARKING LOT IN 2019 TO ASSIST WITH OVERFLOW PARKING AT THE RESERVOIR DUE TO THE CONSTRUCTION OF PRESTONS PLAYGROUND AND EVENTS AT THE RESERVOIR. 2019 WILL ALSO INCLUDE UPDATING THE MASTER PLAN FOR OLD PAPER MILL PARK. OUTLYING YEARS WOULD INCLUDE ENGINEERING, SURVEY, PERMITTING, CONSTRUCTION CONTRACT PREPARATION, CONSTRUCTION MANAGEMENT AND PARK CONSTRUCTION. WILL ATTEMPT TO SECURE GRANT FUNDING.

Moved 2019 and 2020 years to 2021 and 2022 per Council approval of Emerson Bridge, and reduced the total project costs by $600,000.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2019
Est. Completion Date	2022
Est. Useful Life (in years)	50
Est. Total Cost	1,300,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	1,300,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 1,300,000
Total Project Cost		$ 1,300,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			100,000		600,000	600,000	1,300,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	100,000	-	600,000	600,000	1,300,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)				18,000	18,000	36,000

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: K0908	PROJECT TITLE: Childrens Play Equipment	PROJECT LOCATION: Various	
PROJECT STATUS (SELECT FROM DROP DOWN):		New Project	
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Healthy & Active Community	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Replace old and install new childrens play equipment to comply with current Playground Safety standards. 2018 replacement funds are for Dickey Park. White Chapel Park and various pieces and repairs throughout the park system.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2009
Est. Completion Date	Ongoing
Est. Useful Life (in years)	12
Est. Total Cost	160,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	160,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9620	$ 160,000
Total Project Cost		$ 160,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		16,450	60,000	40,000	40,000		156,450
GRANTS (Specify)		3,550					3,550
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**20,000**	**60,000**	**40,000**	**40,000**	**-**	**160,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PARKS AND RECREATION	DIVISION:	
PROJECT NO: KEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT	PROJECT LOCATION:	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	10
Est. Total Cost	450,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	450,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 450,000
Total Project Cost		$ 450,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		62,000	245,000	25,000	28,000	90,000	450,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	62,000	245,000	25,000	28,000	90,000	450,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PARKS AND RECREATION DEPARTMENT

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	STAFF CARS & TRUCKS												
1427	2012 Toyota Camry Hybrid	03/19/12	24,718	14,867	70,000	10	2022	2022					30,000
1431	2006 Ford F-250 Pickup Truck	09/02/06	22,232	56,185	50,000	10	2016	2018	30,000				
1437	2016 Dodge Grand Caravan	10/30/15	23,223	5,723	70,000	10	2025	2025					
	HORTICULTURE												
1401	2009 Ford Ranger	04/03/09	13,482	55,370	85,000	10	2019	2019		30,000			
1426	2012 Ford F350 Crew Cab	07/13/12	30,639	29,309	110,000	10	2022	2023					
1435	2006 Ford F250 3/4 Ton Pickup	05/05/06	18,467	65,002	55,000	10	2016	2018	32,000				
1440	2016 Ford F250 Pickup Truck 4X4	07/27/16	24,967	6,471	85,000	10	2026	2026					
	PARK MAINTENANCE												
1430	2009 F350 1 Ton Pick-up	05/01/09	24,950	35,666	48,000	10	2019	2019		35,000			
1433	2016 Ford F-450 4X4 Swaploader	03/24/16	69,709	2,005	70,000	10	2026	2026					
1434	2017 Ford F350 4x4 Pickup Truck	07/18/17	29,209	80,699	85,000	10	2027	2027					
1436	2014 Ford F-350 4X4 Pickup	11/14/13	28,819	22,345	85,000	10	2023	2023					
1439	2016 Ford F-350 4X4 Pickup	11/05/15	25,721	9,536	--	10	2026	2026					
	OTHER												
1414	2004 Jacobsen 16" Cut Mower	01/01/04	58,795	--	--	10	2014	2019		90,000			
1415	2013 Jacobsen 16" Cut Mower	05/24/13	79,575	--	--	10	2023	2023					
1421	2009 Kubota F3080 4WD Mower	06/05/09	17,971	--	--	10	2019	2020			25,000		
1423	2011 Kubota F3080 Mower	12/29/11	27,331	--	--	10	2021	2021				28,000	
1424	2014 Walker Riding Mower 26 HP	05/28/14	24,947	--	--	10	2024	2024					
1461	2001 John Deere Landscape Loade	02/09/01	62,000	--	--	10	2011	2019		90,000			
1463	2012 Vanguard 31HP Tractor	06/29/12	55,661	--	--	20	2022	2022					60,000
TOTAL PARKS AND RECREATION DEPARTMENT									**$62,000**	**$245,000**	**$25,000**	**$28,000**	**$90,000**

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
PARKING FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
V1801	Parking Lot Surface Maintenance	B	$0	$127,740	$0	$127,740	$0	$0	$105,000	$0	$232,740
V1702	Additional Parking Meters	A	54,240	68,250	0	68,250	0	0	0	0	68,250
V1703	Lot Full Signs	D	52,500	52,500	0	52,500	0	0	0	0	52,500
VEQSF	Vehicle Replacement Program	D	25,000	0	0	0	21,000	28,000	0	0	49,000
	Total Parking Fund		$131,740	$248,490	$0	$248,490	$21,000	$28,000	$105,000	$0	$402,490
	GROSS CAPITAL IMPROVEMENTS		$131,740	$248,490	$0	$248,490	$21,000	$28,000	$105,000	$0	$402,490
	LESS: USE OF RESERVES		(106,740)	(120,750)	0	(120,750)	0	0	0	0	(120,750)
	VEHICLE/EQUIPMENT REPLACEMENT		(25,000)	0	0	0	(21,000)	(28,000)	0	0	(49,000)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	(127,740)	0	(127,740)	0	0	0	0	(127,740)
	OTHER FINANCING SOURCES		0	0	0	0	0	0	0	0	0
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$0	$0	$105,000	$0	$105,000

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
V1801	PARKING LOT SURFACE MAINTENANCE	MUNICIPAL LOTS

PROJECT STATUS (SELECT FROM DROP DOWN): In Progress

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:

Originally, based on cost and useful life estimates provided by PWWR, a program was established for municipal parking lot surface maintenance for each facility on an estimated ten year cycle, subject to inspection and recommendation by PWWR. This is an on-going effort, and is needed to remediate failing parking lot surfaces. This has been reclassified to V1801, but used to be under V1001 previously.

Lot #1: This lot is scheduled to be repaved in 2021, as it was last done in 2011. $105,000 is provided in under 2021 was was also on "V1001 - Parking Lot Surface Maintenance" in 2017.

Lot #2: This lot was surface was redone when 58 East Main Street was completed and multiple properties that were leased over to the City of Newark were combined with the original Lot 2 footprint. This lot does not need maintenenance at this time due to recent contrustruction.

Lot #3 and #4: These lots should be partially repaved in 2018 (drive aisles, entrance/exits, and specific lot sections), not including the new Center Street Lot #3 entrance and exit and immediate surrounding areas. Due to numerous private projects and other variables, the division has decided against trenching in the lots at this time. In Lot #4, the area of the lot that was redone during Kate's Place construction also does not need to be redone, reducing total cost further. Cost to repave drive lanes and entrance exits in both lots would cost $127,740 in 2018.

Lot #5: As this lot was completed in 2013, this lot is scheduled to be repaved in 2023.

Lot #6: This lot was constructed in 2015, so this lot is scheduled to be repaved in 2025.

Total 2018 Project Cost: $127,740 for Lots 3 & 4 drive lanes, entrance/exits, and select spots.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2010
Est. Completion Date	Ongoing
Est. Useful Life (in years)	10
Est. Total Cost	232,740
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	232,740
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5495406.9623	$ 232,740
Total Project Cost		$ 232,740

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES					105,000		105,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		127,740					127,740
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	127,740	-	-	105,000	-	232,740

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
V1702	ADDITIONAL PARKING SENSORS	Citywide

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Inclusive Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Originally titled 'V1702 - Parking Meters and Sensors', the Parking Division has revised this project, aiming to pair all current meters to sensors. The division has researched additional parking sensor location opportunities and indicates that there are locations where approximately 200 sensors can be isntalled throughout the City. For the 457 meters currently in the system, only 268 of them have sensors. By adding sensors to all on-street parking meters that currently do not have sensors, the division will be able to report occupancy information to Mayor and Council on a city-wide basis. IPS Smart Meters has also developed a new pole-mounted sensor, that does not need to be drilled into the ground, which the division believes will eliminate paving/plowing issues that could affect in-grounsd sensors. Estimated cost per new sensor is approximately $300 per sensor. Therefore, the new sensor request is for $60,000 to complete all City meters. Return-on-invest for these sensors are one year.

Current in-ground sensors on Main Street would be moved to peripheral areas of the City, while the the new pole-mounted sensors would be put throughout the Central Business District. The division recommends putting the newest equipment in the busiest section of town. It is also recomended that the pole-mounted sensors be place on Main Street, as DELDOT has discussed a repaving project through Main Street, which would require a uninstall/reinstall of in-ground sensors. Cost to do this, at any time, will now cost the Division approximately $55 per sensor, and with 150 sensors, total cost for reinstalltion would be $8,250.

Please note, $14,010 is to be transferred from CIP Project V1701 - LPR.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2017
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	68,250
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	68,250
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5495406.9623	$ 68,250
Total Project Cost		$ 68,250

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		68,250					68,250
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	68,250	-	-	-	-	68,250

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	PARKING

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
V1703	LOT COUNTDOWN SIGNS	Hourly Off-Street Lots

PROJECT STATUS (SELECT FROM DROP DOWN): **In Progress**

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Lot countdown signs are possible in Lots 1, 3, and 4, and for the efficiency and customer convenience would be beneficial to install. There are seven entrances where lot full signs will be useful -- two entrances to Lot 1, three entrances to Lot 3, and two entrances to Lot 4. These signs will count the number of available spaces in the lot and allow the patron to make an educated decision in which parking lot they enter to find parking. The Parking Division, with advice from City Council, sees the benefit in investing in countdown signage, as providing sisgnage will allow the customer to recognize that the system is keeping an accurate count of avaialble spaces in parking lots. In addition, providing signage could make it possible to provide the amount of available spaces to patrons via mobile app, and allow the division to report off-street parking occupancy reports to Mayor and Council wil software designed to keep track and displacy occupancy figures in each lot. Upon recommendation to install countdown signage at all municpal lot entrances, the division requests $6,500 for each countdown sign, being seven total, with an addition $1,000 for each entrance for trenching and connections associated with installation, for a total price of $52,500. Amount originally approved for 2017, with the continued goal to be compelte by end of 2017. $500 per year for subscriptions are first two years.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2017
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	52,500
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	52,500
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	5495406.9623	$ 52,500
Total Project Cost		$ 52,500

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES							-
CAPITAL RESERVES		52,500					52,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**52,500**	**-**	**-**	**-**	**-**	**52,500**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)			500	500	500	1,500

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Planning & Development	DIVISION:	Parking
PROJECT NO: VEQSF	PROJECT TITLE: EQUIPMENT REPLACEMENT	PROJECT LOCATION:	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	10
Est. Total Cost	49,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	49,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	5495406.9623	$ 49,000
Total Project Cost		$ 49,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			21,000	28,000			49,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	21,000	28,000	-	-	49,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PLANNING DEPARTMENT, PARKING DIVISION

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
1100	2017 Ford T-150 Transit Cargo Van	09/14/16	26,687	2,649	55,000	10	2026	2026					
1101	2015 Ford T-150 Transit Cargo Van	12/31/14	24,457	5,735	80,000	10	2024	2024					
1102	2000 Ford Crown Victoria	08/11/00	19,851	43,821	65,000	12	2012	2019		21,000			
1103	2011 Ford Ranger	03/09/12	21,178	71,983	80,000	8	2020	2020			28,000		
1104	2017 Ford Transit Connect	03/02/17	22,768	19,449	90,000	10	2027	2027					
TOTAL PARKING DIVISION									**$0**	**$21,000**	**$28,000**	**$0**	**$0**

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
ADMINISTRATIVE DEPARTMENT - INFORMATION TECHNOLOGY DIVISION

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	|----2018----| RESERVES & OTHER FUNDING	CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
I1801	Citywide Fiber Phase II	B	$0	$0	$0	$0	$140,000	$0	$0	$0	$140,000
I1804	Harris Automation Platform	D	0	0	0	0	0	150,000	0	0	150,000
I1806	Police Car Retrofit	B	0		120,000	120,000	0	0	0	0	120,000
I1807	Building Security Upgrades (SWF, Water Plant, Reservoi	B	0	50,000	0	50,000	0	0	0	0	50,000
I1703	Recreation Management Software	D	0	0	0	0	80,000	0	0	0	80,000
I1601	Virtual Environment Host Replacement	D	0	0	0	0	0	75,000	0	0	75,000
I1603	Surveillance Camera Refresh	B	65,000	32,500	0	32,500	32,500	32,500	32,500	0	130,000
I1606	Disaster Recovery and Planning	B	0	0	0	0	0	75,000	0	0	75,000
	Total Information Technology Division		$65,000	$82,500	$120,000	$202,500	$252,500	$332,500	$32,500	$0	$820,000
	GROSS CAPITAL IMPROVEMENTS		$65,000	$82,500	$120,000	202,500	$252,500	$332,500	$32,500	$0	$820,000
	LESS: USE OF RESERVES		(65,000)	0	0	0	0	0	0	0	0
	VEHICLE/EQUIPMENT REPLACEMENT		0	0	0	0	0	(117,000)	0	0	(117,000)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	(82,500)	0	(82,500)	(32,500)	(32,500)	(32,500)	0	(180,000)
	OTHER FINANCING SOURCES		0	0	0	0	0	0	0	0	0
	NET CAPITAL IMPROVEMENTS		$0	$0	$120,000	$120,000	$220,000	$183,000	$0	$0	$523,000

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1801	Fiber Network Phase II	City-Wide

PROJECT STATUS (SELECT FROM DROP DOWN):	New 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:	Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The 2017 Fiber Installation Project was a major success. Our surviellance cameras, SCADA systems, Buildings and other networked connections are now running on the Phase I network that has been installed. This project signals a continuation of the build-out to install Fiber to areas such as South College Avenue near I95, to the South Well Field Water Plant and to the George Wilson Center. While fiber to these areas are recommended for additional Police surveillance needs, there are a multitude of other solutions that are possible with these extensions, including but not limited to SCADA integration, WiFi and parking management. There would be minimal offset cost as currently two of these areas are currently utilizing Comcast services to provide access.

Currently scheduled for 2019 ($140,000)
Extension of existing fiber network to 3 main areas
South College Avenue towards I95 interchange. In reviewing crime data, Newark PD has investigated (73) robberies since January 2015 to June 2017; (20) robberies have occurred on S. College Ave. The PD has installed a LPR in the vicinity which has proven valuable and the PD submits cameras in the vicinity would compliment investigative and preventive efforts – as there are no City controlled surveillance camera assets along the corridor. Currently, investigators rely on private entities for video evidence which is often limited to the interior of their business or property and provides limited coverage and investigative leads. Sourced: Capt. Michael Van Campen
South Well Field for SCADA
New London Road (George Wilson Center) for additional cameras and to connect facility to core network.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	140,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	140,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 140,000
Total Project Cost		$ 140,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			140,000				140,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	140,000	-	-	-	140,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1804	Harris Automation Platform	City Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Harris NorthStart (and associated applications) are used for Utility Billing and Smart-Meter Utility Management. It has been recommended by the vendor, and vetted by staff, that implementing an automation platform would substantially improve efficiency in procssing utility billing. This would eliminate much of the manual efforts that our Payments and Utility Billing Team handle daily.

Placeholder Project based on feedback from Utility Billing Vendor (Harris Computer Corporation)

Would be used to automate many tasks currently performed manually, such as:
- Billing Improvements including Validation Procedures and Processes
- Credit Control – Late Payment Penalties and Disconnect Notices
- Preauthorized Payments (PAP)

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2020
Est. Useful Life (in years)	5
Est. Total Cost	150,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	150,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 150,000
Total Project Cost		$ 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 FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				150,000			150,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	150,000	-	-	150,000

2"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1806	Police Car Retrofit	City Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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:

The City of Newark is scheduled to refresh most of its computers throughout the organization. This includes our Police Department. DE, PA and MD State and County Police are moving towards tablet computers in the vehicles. Newark is expected to follow-suit. Tablets will be assigned to all officers within NPD.

At present, 25 NPD vehicles have legacy, laptop mounts that are becoming difficult to maintain. Moving forward, with the new tablets and new class of computer models from vendors, new mounts are required to be installed to connect new computers to the charging station and printer. This cost is only to retrofit the vehicles with new mounts and docking devices. This cost does NOT include the computers that are part of our OpEx.

Computer lease refresh of rugged tablets is causing this retrofit (upgrade) to be required
DE, PA and MD State Police moving to rugged tablets

25 NPD vehicles have legacy mounts and no cellular antennas
- New cellular antennas required for compatibility and bandwidth requirements
- Systems can be migrated to new cars in the future. Likely full replacement in 8 years.

-	
First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	5
Est. Total Cost	120,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	120,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 120,000
Total Project Cost		$ 120,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES		120,000					120,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	120,000	-	-	-	-	120,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1807	Building Security Upgrades	City-Wide

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project is to improve security to the South Well Field Water Plant, the Paper Mill Road Water Plant and the Reservoir Pump House. Currently those locations are secured by standard door locks with key entry. This project would be to retrofit these buildings with card readers to control and track building entry by City personnel. This cost includes wiring, card reader devices, and additional cameras inside those locations.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	5
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	50,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 50,000
Total Project Cost		$ 50,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		50,000					50,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**50,000**	**-**	**-**	**-**	**-**	**50,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1703	Recreation Management Software	City Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

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 City's Recreation Management Software is due for replacement. The current system, implemented in the late 2000's has become antiquated and is no longer efficient for managing our complex recreation programs and services to Newark residents. These services include summer camps, sports, after-school care and other recreation events across the City. This software replacement is anticipated to further merge our internal operations along the Tyler Technologies Munis platform, allowing for shared database information, cashiering and reporting.

Currently scheduled for 2019 ($80,000)
Replacement for legacy software that is no longer supported
Software responsible for Before/After School Care, Sports Activities and GWC Programs
3 Solutions being considered
Will provide online portal for residents

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	80,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	80,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 80,000
Total Project Cost		$ 80,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			80,000				80,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**-**	**80,000**	**-**	**-**	**-**	**80,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1601	Virtual Environment Host Replacement	City Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

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:

Long range forecast cost for replacement of Microsoft Hyper-V Virtualization Host (Server) Replacement. The City's virtualization environment is critical to maintaining 100+ physical and virtual servers running throughout the organization. These servers host applications such as Utility Billing and Smart Meter Applications, as well as file services, print services, document management and retention services and a myriad of other applications that impact operations.

Currently scheduled for 2020 ($75,000)
Replacement for equipment purchased in 2016 (4 year replacement)
Server and Storage for IT Datacenters

This is an estimated cost and will be formally quoted during annual budget preparation in late 2019.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2020
Est. Completion Date	2020
Est. Useful Life (in years)	5
Est. Total Cost	75,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	75,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 75,000
Total Project Cost		$ 75,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				75,000			75,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	75,000	-	-	75,000

2"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
I1603	Surveillance Camera Refresh	City-Wide

PROJECT STATUS (SELECT FROM DROP DOWN): **In Progress**

PRIORITY: 3 - Medium-High — The City would be taking a calculated risk in the deferral of this item

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Healthy & Active Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

IMPACTED DEPARTMENT/DIVISION: Newark Police Department

The City of Newark surveillance cameras and network are showing their age. Most of the cameras are at least 8 years old and we are starting to see them fail with regularity. It is IT's recommendation that the cameras be replaced over a period of 5 years to ensure optimum functionality and savings on repair.

Project began in 2017 and expected completion in 2021
Replacing 5 traffic cameras per year (total of 30 cameras - 10 replaced in 2017)

Axis Q6045-C PTZ Dome 60Hz Network Camera
30 Cameras - $123,000.00
Installation - $60,000.00
OnSSI Licensing - $12,000.00

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2016
Est. Completion Date	2021
Est. Useful Life (in years)	10
Est. Total Cost	195,000
Est. Spend @ 12/31 (if underway)[1]	65,000
Balance to be funded[1]	130,000
% Complete (if underway)	30%

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063006.9622	$ 130,000
Total Project Cost		$ 130,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		32,500	32,500	32,500	32,500		130,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**32,500**	**32,500**	**32,500**	**32,500**	**-**	**130,000**

2"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Information Technology
PROJECT NO: I1606	PROJECT TITLE: Disaster Recovery and Planning	PROJECT LOCATION: City Municipal Building	
PROJECT STATUS (SELECT FROM DROP DOWN):		**In Prior Program**	
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:

Long range forecast cost for replacement of Disaster Planning, Recovery and Availability hardware within two City-owned data centers. These services are critical for ensuring resiliency in the event of a cyber attack, data loss, hardware failure or environmental or man-made disaster.

Currently scheduled for 2020 ($75,000)
Replacement for equipment purchased in 2016 (4 year replacement)
Server and Storage for IT Datacenters

This is an estimated cost and will be formally quoted during annual budget preparation in late 2019.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2020
Est. Completion Date	2020
Est. Useful Life (in years)	5
Est. Total Cost	75,000
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	75,000
% Complete (if underway)	0%

PROJECT COST BY CATEGORY		
CLASSIFICATION	**ACCOUNT NUMBERS**	**AMOUNT**
Labor		
Materials		
Other Contracts	3063006.9622	$ 75,000
Total Project Cost		$ 75,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) **SOURCE OF FUNDS**	**PRIOR[2]**	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
CURRENT RESOURCES				75,000			75,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	**-**	**-**	**-**	**75,000**	**-**	**-**	**75,000**

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	**2018**	**2019**	**2020**	**2021**	**2022**	**TOTAL**
INCREMENTAL COSTS (NET SAVINGS)						

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-MAINTENANCE FUND-FLEET MANAGEMENT

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	2018	2019	2020	2021	2022	TOTAL
						FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
M1401	Truck Lift Systems Improvements	D	$102,549	$124,549	$0	$124,549	$0	$0	$0	$0	$124,549
M1101	Maint Yard Master Plan/Salt Shed Replacement	D	250,000	0	0	0	0	0	0	0	0
MEQSF	Vehicle Replacement Program	D	0	0	0	0	40,000	0	0	0	40,000
	Total Maintenance Fund-Fleet Management		$352,549	$124,549	$0	$124,549	$40,000	$0	$0	$0	$164,549
	GROSS CAPITAL IMPROVEMENTS		$352,549	$124,549	$0	124,549	$40,000	$0	$0	$0	164,549
	LESS: USE OF RESERVES		(352,549)	(79,549)	0	(79,549)	0	0	0	0	(79,549)
	VEHICLE/EQUIPMENT REPLACEMENT		0	0	0	0	(40,000)	0	0	0	(40,000)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	(45,000)	0	(45,000)	0	0	0	0	(45,000)
	OTHER FINANCING SOURCES		0	0	0	0	0	0	0	0	0
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$0	$0	$0	$0	$0

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Maintenance

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
M1401	Truck Lift System Improvements	Maintenance Garage

PROJECT STATUS (SELECT FROM DROP DOWN):

PRIORITY: 1 - Highest Priority Level — Project underway and must be completed

COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The current lift system is old and parts are no longer available to repair the system in a timely manner. Our ability to repair and recertify the system often involves locating used parts. The new system will provide the latest technology utilizing wireless communication between the lifts to coordinate their movement versus the wired system that we currently use.

Deauthorize $23,000.00 to be transferred to CIP Project N1806.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2014
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	124,549
Est. Spend @ 12/31 (if underway)[1]	-
Balance to be funded[1]	124,549
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	6006006.9622	$ 79,549
Other Contracts	6006006.9623	$ 45,000
Total Project Cost		$ 124,549

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES	79,549						79,549
EQUIPMENT REPLACEMENT							-
BOND ISSUES		45,000					45,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	79,549	45,000	-	-	-	-	124,549

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Fleet Maintenance
PROJECT NO: MEQSF	PROJECT TITLE: Equipment Replacement Program	PROJECT LOCATION:	

PROJECT STATUS (SELECT FROM DROP DOWN):

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.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	40,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	40,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9623	$ 40,000
Total Project Cost		$ 40,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			40,000				40,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	40,000	-	-	-	40,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
MAINTENANCE FUND - FACILITIES MANGEMENT

				|----------------2018----------------|		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	RESERVES & OTHER FUNDING	CURRENT FUNDING	2018	2019	2020	2021	2022	TOTAL
N1801	NPD - Rear Concrete Deck and Stairs	C	$0	$50,000	$0	$50,000	$0	$0	$0	$0	$50,000
N1803	MUN/NPD - Exterior Paint/Powerwash	C	0	0	0	0	33,000	0	0	0	33,000
N1805	MUN - Lower Level Bathroom	C	0	0	0	0	30,000	0	0	0	30,000
N1806	FOC - Master Plan	D	0	93,000	30,000	123,000	225,000	0	0	0	348,000
N1808	FOC - Buildings 1 & 2 Security Improvements	B	0	0	0	0	31,000	0	0	0	31,000
N1809	TRN - New Windows	C	0	0	0	0	55,000	0	0	0	55,000
N1701	Men's Locker Room Expansion	B	20,000	20,000	0	20,000	0	0	0	0	20,000
N1702	MUN - Council Chamber Renovations	C	0	0	0	0	0	25,000	0	0	25,000
N1603	GWCC - HVAC System Upgrades	D	0	105,000	0	105,000	0	0	0	0	105,000
NEQSF	Vehicle Replacement Program	D	0	30,000	0	30,000	0	0	0	0	30,000
	Total Maintenance Fund-Facilities Management		$20,000	$298,000	$30,000	$328,000	$374,000	$25,000	$0	$0	$727,000
	GROSS CAPITAL IMPROVEMENTS		$20,000	$298,000	$30,000	328,000	$374,000	$25,000	$0	$0	$727,000
	LESS: USE OF RESERVES		(20,000)	(43,000)	0	(43,000)	0	0	0	0	(43,000)
	VEHICLE/EQUIPMENT REPLACEMENT		0	(30,000)	0	(30,000)	0	0	0	0	(30,000)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	(120,000)	0	(120,000)	(225,000)	0	0	0	(345,000)
	OTHER FINANCING SOURCES		0	(105,000)	0	(105,000)	0	0	0	0	(105,000)
	NET CAPITAL IMPROVEMENTS		$0	$0	$30,000	$30,000	$149,000	$25,000	$0	$0	$204,000

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1801	NPD - Rear Concrete Deck and Stairs	Police Department

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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:

The rear concrete stairs at City Hall/NPD are in need of replacement. The concrete has deteriorated and employees have suffered injuries due to the uneveness of the stairs. Also, the metal support structure beneath the concrete catwalk has disintegrated due to rust. Currently nothing is supporting the concrete, which could cause the structure to crumble and fall. This project would repair and replace the impacted areas. This is a project to improve safety.

Project spun out of CIP N1601 that included multiple building repairs, including the concrete stairs. This has been broken out for transparency and project tracking purposes.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	50,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	50,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 50,000
Total Project Cost		$ 50,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES		50,000					50,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	50,000	-	-	-	-	50,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1803	MUN/NPD - Exterior Paint and Powerwash	Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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:

City Hall and NPD buildings are in need of a thorough cleaning and painting of the metal cornice surround at the top of each building. These projects constitute a need to maintain our existing building, and are not considered upgrades or consmetic improvements. In years past, these types of projects were disregarded due to cost and budget, however time has caught up with us and the brick is in need of a cleaning and rusted metal is in need of protective paint.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	33,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	33,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 33,000
Total Project Cost		$ 33,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			33,000				33,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	33,000	-	-	-	33,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1805	MUN - Lower Level Bathroom	Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Currently a single stall bathroom is available in the lower level. It is recommended to install a second bathroom on that level due to increased staffing after having migrated multiple City employees to the lower level. Recent use of the Training Room by City staff, along with staff from other State and Private Agencies has highlighted the issue with a single stall restroom. This project funding would be used to create a second restroom in place of an existing janitors closet to provide male and female restrooms on the lower level. It should also be noted that a new restroom, and a minor upgrade to the existing restroom would allow the City to be ADA compliant on the lower level.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	30,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	30,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 30,000
Total Project Cost		$ 30,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			30,000				30,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	30,000	-	-	-	30,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1806	FOC - Master Plan	Field Operations Complex

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

This project was previously identified as M1101 (PWWR - Maintenance) and has now been moved and renumbered to Facilities Divsion.

Phase 1: Needs Assessment and Master Planning (Completed 2016)
Phase 2: Salt Shed Construction (Completed 2017)
Phase 3: Demolition of Building #3 (2018) - Estimate $30,000, and Additional Electric Utility Storage in Building #2 (2018) - Estimate $70,000
Phase 4: New Parking Area (2019) - Estimate $80,000
Phase 5: Construction of Expanded Building #3 (2019) - Estimate $95,000

The Old Warehouse at the Facilities Operations Complex (Yard) is becoming a safety risk due to its condition. This building houses items such as: Vehicles, Electric Utility, Public Works Pumps and Filtering Media, Pipes and Hydrants, Police Impound. New Building Design is currently being evaluated.

Please note, $23,000 is to be transferred from CIP Project M1401.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2018
Est. Completion Date	2019
Est. Useful Life (in years)	20
Est. Total Cost	348,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	348,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 348,000
Total Project Cost		$ 348,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES		30,000	-				30,000
CAPITAL RESERVES		23,000					23,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES		70,000	225,000				295,000
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	123,000	225,000	-	-	-	348,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1808	FOC - Buildings 1 & 2 Security Improvements	Field Operations Complex

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Buildings 1 and 2 at the Field Operation Complex (Yard) require additional securty on doors throughout. Doors do not close properly, garage doors are dented and susceptable to being opened without keys. This project would be used to remedy these items.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	31,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	31,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 31,000
Total Project Cost		$ 31,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			31,000				31,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	31,000	-	-	-	31,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1809	TRN - New Windows	Newark Train Station

PROJECT STATUS (SELECT FROM DROP DOWN): **New 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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Train Station windows are in desperate need of replacement. They are falling apart due to age. This is a safety issue as they have the potential to actually fall out of the wall. Beyond this, they are energy inefficient year round and do not open properly when used. Looking to secure grant-funding for this project during 2018.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2019
Est. Completion Date	2019
Est. Useful Life (in years)	10
Est. Total Cost	55,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	55,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 55,000
Total Project Cost		$ 55,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES			55,000				55,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	55,000	-	-	-	55,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management
PROJECT NO: N1701	PROJECT TITLE: Mens Locker Room Expansion	PROJECT LOCATION: Police Station	
PROJECT STATUS (SELECT FROM DROP DOWN):		In Prior Program	
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Not Applicable	

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The mens locker room is currently at capacity and there are no available lockers for new hires. This project would expand the current locker room into the adjacent lower level conference room. The project cost includes estimates for contstruction, flooring, lighting, lockers, and benches.

§ 806.1(3) SUMMARY OF PROJECT DATA

First Year in Program	2017
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	20,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	20,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials	6006006.9621	$ 20,000
Other Contracts		
Total Project Cost		$ 20,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		20,000					20,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	20,000	-	-	-	-	20,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	496	496	496	496	496	2,480

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1702	Council Chamber Renovations	Council Chamber - Municipal Building

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

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: Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Based on feedback from City Council during Budget Hearings, the City staff has identified the following improvements to the Council Chamber to make it more functional for Mayor and Council, City staff and visitors. The requested modifications to the Council Chamber include replacing the existing hard seated chairs with cushioned chairs for visitors and staff, adding paneling to the front of the dais to improve its appearance both in person and on camera, relocating the large paintings behind the dais to a more appropriate historical location and to paint the brick to brighten the room and enhance quality of the online/tv feed. Additionally, the orange Formica countertops would be replaced with a more neutral color. Lastly, new lighting and projector would be added to the room to make it more inviting and to provide better presentation quality.

$4,500.00 - Padded/Stackable Chairs
$1,000.00 - Paint and supplies
$3,000.00 - Wood Paneling
$8,000.00 - Formica Countertops
$1,300.00 - Lighting
$5,000.00 - Projector (brighter so lights do not need to be turned off)

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2020
Est. Completion Date	2020
Est. Useful Life (in years)	20
Est. Total Cost	25,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	25,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006006.9620	$ 25,000
Total Project Cost		$ 25,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES				25,000			25,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	25,000	-	-	25,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management

PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:
N1603	GWCC - HVAC System Upgrades	George Wilson Center

PROJECT STATUS (SELECT FROM DROP DOWN): **In Prior Program**

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

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

The existing HVAC system at the George Wilson Center utilizes electric baseboard heat and individual wall unit air conditioners. The air conditioners are old and leak, and need to be shut off at night to minimize damage from leakage. Facilities Management staff brought in several different HVAC contractors to assess the situation and all agree that upgrading to a combined single heat and air conditioning system will provide greatly improved efficiency and reduce overall heating and air conditioning costs for the Center, as well as improve the overall appearance of the building. Estimated costs include a combined heat and air conditioning system, (heat pump option at $89,400), filling in 7 A/C holes currently cut into the building ($5,480); and painting ($2,000) and site work/trash disposal ($2,000) which will be done in house.

It is anticipated that this upgrade will result in ongoing operational savings, which will be determined during a future CIP budget cycle.

Increased costs ($6,120) due to vendor contract quote increases in 2017

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2016
Est. Completion Date	2018
Est. Useful Life (in years)	20
Est. Total Cost	105,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	105,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor	3063006.9621	$ 2,500
Materials	3063006.9621	$ 1,500
Other Contracts	3063006.9621	$ 101,000
Total Project Cost		$ 105,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS		PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES								-
CAPITAL RESERVES								-
EQUIPMENT REPLACEMENT								-
BOND ISSUES								-
GRANTS (Specify)								-
OTHER (Specify)	DEMEC/CAC		105,000					105,000
OTHER (Specify)								-
TOTAL		-	105,000	-	-	-	-	105,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	Administration	DIVISION:	Facilities Management
PROJECT NO: NEQSF	PROJECT TITLE: Vehicle Replacement Program	PROJECT LOCATION:	
PROJECT STATUS (SELECT FROM DROP DOWN):			New 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:			Not Applicable

Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:

Facilities Vehicle Replacement (Van) - This van is used by custodial crews and carpenters for hauling equipment between varius locations. Van is rusting and is in need of replacement.

Planned purchase/replacement in annual vehicle and equipment sinking fund.

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	2018
Est. Completion Date	2018
Est. Useful Life (in years)	10
Est. Total Cost	30,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	30,000
% Complete (if underway)	

PROJECT COST BY CATEGORY		
CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	6006016.9620	$ 30,000
Total Project Cost		$ 30,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		30,000					30,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	30,000	-	-	-	-	30,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, MAINTENANCE FUND

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
	MECHANICS												
650	2006 Ford F350 Pickup Truck	01/19/06	17,805	50,945	89,000	10	2016	2018		40,000			
652	2016 Ford F350 Super Duty Pickup	11/05/15	35,388	8,022	75,000	10	2026	2026					
TOTAL FLEET MANAGEMENT DIVISION									**$0**	**$40,000**	**$0**	**$0**	**$0**
841	2004 Ford E250 Van	07/08/04	14,196	58,336	64,000	12	2016	2018	30,000				
842	2016 Ford F250 4X4 Pickup	01/22/16	23,535	3,937	70,000	12	2028	2028					
TOTAL FACILITIES MANAGEMENT DIVISION									**$30,000**	**$0**	**$0**	**$0**	**$0**
TOTAL MAINTENANCE FUND									**$30,000**	**$40,000**	**$0**	**$0**	**$0**

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
OTHER DEPARTMENTS-GENERAL FUND

	PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2017 BUDGET	2018 RESERVES & OTHER FUNDING	2018 CURRENT FUNDING	FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING 2018	2019	2020	2021	2022	TOTAL
BEQSF	Vehicle Replacement Program	D	$50,000	$52,000	$0	$52,000	$70,000	$25,000	$25,000	$0	$172,000
	Total Other Departments		$50,000	$52,000	$0	$52,000	$70,000	$25,000	$25,000	$0	$172,000
	GROSS CAPITAL IMPROVEMENTS		$50,000	$52,000	$0	$52,000	$70,000	$25,000	$25,000	$0	$172,000
	LESS: USE OF RESERVES		0	0	0	0	0	0	0	0	0
	VEHICLE/EQUIPMENT REPLACEMENT		(50,000)	(52,000)	0	(52,000)	(70,000)	(25,000)	(25,000)	0	(172,000)
	GRANTS		0	0	0	0	0	0	0	0	0
	BOND ISSUES		0	0	0	0	0	0	0	0	0
	OTHER FINANCING SOURCES		0	0	0	0	0	0	0	0	0
	NET CAPITAL IMPROVEMENTS		$0	$0	$0	$0	$0	$0	$0	$0	$0

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

CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT:	PLANNING & DEVELOPMENT	DIVISION:	CODE ENFORCEMENT
PROJECT NO: BEQSF	PROJECT TITLE: VEHICLE REPLACEMENT PROGRAM	PROJECT LOCATION:	

PROJECT STATUS (SELECT FROM DROP DOWN):

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.

Vehicles to be replaced:

#839 - Small sport utility (Jeep Liberty) - $25,000

#836 - Small sport utility (Jeep Cherokee) - $27,000

§ 806.1(3) SUMMARY OF PROJECT DATA	
First Year in Program	Ongoing
Est. Completion Date	Ongoing
Est. Useful Life (in years)	VARIOUS
Est. Total Cost	172,000
Est. Spend @ 12/31 (if underway)[1]	
Balance to be funded[1]	172,000
% Complete (if underway)	

PROJECT COST BY CATEGORY

CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Labor		
Materials		
Other Contracts	3063026.9623	$ 172,000
Total Project Cost		$ 172,000

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

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR[2]	2018	2019	2020	2021	2022	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		52,000	70,000	25,000	25,000		172,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	52,000	70,000	25,000	25,000	-	172,000

[2]"Prior" refers to that portion of project funding that was authorized in a prior year but which is not expected to be spent through 12/31 of the current year. Accordingly, Council is not required to authorize budget year funding for that portion, but that portion of the project will indeed represent a cash outflow in the budget year and/or "out years."

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

OPERATING IMPACT	2018	2019	2020	2021	2022	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						-

CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2018-2022
OTHER DEPARTMENTS

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/17	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS 2018	2019	2020	2021	2022
CODE ENFORCEMENT DIVISION:													
803	2007 Dodge Durango	02/09/07	20,545	37,539	70,000	9	2016	2019		25,000			
804	2005 Dodge Neon Sedan	05/12/05	10,043	63,558	70,000	12	2017	2020			25,000		
827	2012 Toyota Camry Hybrid	03/19/12	24,718	8,187	70,000	10	2022	2019		20,000			
836	2002 Jeep Liberty	04/26/02	18,541	86,151	75,000	12	2014	2018	27,000				
837	2017 Ford Fusion	08/04/17	17,779	930	70,000	12	2029	2029					
838	2009 Ford Focus	04/03/09	12,369	26,813	75,000	12	2021	2021				25,000	
839	2001 Jeep Cherokee	a. 02/09/01	18,814	57,549	65,000	12	2013	2018	25,000				
840	2001 Jeep Cherokee	02/09/01	18,814	41,848	65,000	12	2013	2019		25,000			
TOTAL CODE ENFORCEMENT DIVISION									**$52,000**	**$70,000**	**$25,000**	**$25,000**	**$0**
FINANCE DEPARTMENT:													
1056	2009 Ford Focus	04/03/09	12,369	47,689	75,000	12	2021	2023					
TOTAL FINANCE DEPARTMENT									**$0**	**$0**	**$0**	**$0**	**$0**
UNICITY TRANSPORTATION FUND													
1301	2018 International Mini-Bus	03/09/17	113,426	1,755	100,000	7	2024	2024					
1304	2013 International Mini-Bus	02/16/12	104,730	87,986	100,000	7	2019	2019		120,000			
1305	2015 International Mini-Bus	06/30/14	110,342	50,311	100,000	7	2021	2021				130,000	
	Less Unicity Transportation Grant Funding									(120,000)		(130,000)	
TOTAL UNICITY TRANSPORTATION FUND									**$0**	**$0**	**$0**	**$0**	**$0**
TOTAL OTHER DEPARTMENTS									**$52,000**	**$70,000**	**$25,000**	**$25,000**	**$0**

a. Vehicle was number 1017 in Finance Department
b. Vehicle was number 827 in Code Enforcement Division
c. Vehicle was number 1018 in Finance Department

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2018-2022
DOCUMENT VERSION CONTROL

Date Submitted	Description of Change(s):
10/5/2017	Initial Submission to Planning Commission
10/6/2017	Below updates provided to Planning Commission:

The following updates were made to the pages and data listed below:

Description of Change(s):

Page Number: 51 Sheet: PWWR - Stormwater Summary Sheet Division: Stormwater

Updated future years recommended funding sources for:

Funding Year:	2019	**Previous Amount:**	$0.00
Funding Source:	"LESS: USE OF RESERVES"	**Updated Amount:**	-$40,000.00

*Please note that the above listed changes will also impact the subtotals on this sheet for the rows and the columns impacted

Page Number: 29 Sheet: PWWR - Water Summary Sheet Division: Water

Updated future years recommended funding sources for:

Funding Year:	2019	**Previous Amount:**	-$131,220.00
Funding Source:	"LESS: USE OF RESERVES"	**Updated Amount:**	-$5,000.00
Funding Year:	2019	**Previous Amount:**	$0.00
Funding Source:	"GRANTS"	**Updated Amount:**	-$70,000.00
Funding Year:	2020	**Previous Amount:**	-$220,000.00
Funding Source:	"GRANTS"	**Updated Amount:**	-$150,000.00
Funding Year:	2021	**Previous Amount:**	-$25,000.00
Funding Source:	"LESS: USE OF RESERVES"	**Updated Amount:**	$0.00

*Please note that the above listed changes will also impact the subtotals on this sheet for the rows and the columns impacted

Page Numbers: 1, 4, 5 Sheets: Page 1 - CIP Summary, Pages 4 and 5 - Summary by Fund Division: Water and Stormwater

Totals on pages 1, 4 and 5 were impacted due to the same changes listed above (for pages 29 and 51).