



CAPITAL IMPROVEMENT PROGRAM (CIP)
PROJECT DETAIL
2017-2021

CITY COUNCIL PROPOSAL
NOVEMBER 21, 2016

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CITY MANAGER'S OFFICE
CITY OF NEWARK

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October 10, 2016

TO: Planning Commission Members

VIA: Maureen Feeney Roser, Planning and Development Director

FROM : Carol S. Houck, City Manager *CSH*
David A. Del Grande, Director of Finance *DD*

RE: Submission of the 2017-2021 Capital Improvement Plan

The first draft of the 2017-2021 Capital Improvement Plan (CIP) for the City of Newark is attached for your review in advance of the October 18, 2016 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 2017.

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. You will again note the inclusion on the project detail sheets, fields highlighting the alignment with the City's Comprehensive Plan vision elements, code references for certain required project detail, and the estimated operating impact resulting from the project, if applicable.

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 18, 2016. This document has also been posted to the City's website.

Attachments

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY
2017 -2021

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

	AMENDED BUDGET 2016	-----2017----- RESERVES & OTHER FUNDING	CURRENT FUNDING	P R O P O S E D B U D G E T S					TOTAL PROPOSED AMOUNTS
				2017	2018	2019	2020	2021	
ELECTRIC FUND	\$ 2,314,419	\$ 43,500	\$ 1,722,000	\$ 1,765,500	\$ 480,000	\$ 710,500	\$ 1,077,000	\$ 875,000	\$ 4,908,000
WATER FUND	3,676,552	1,695,880	1,913,000	3,608,880	3,339,720	2,895,000	3,772,050	2,321,203	15,936,853
SEWER FUND	1,222,500	293,675	720,000	1,013,675	700,000	800,000	800,000	800,000	4,113,675
PUBLIC WORKS-GENERAL FUND	3,364,922	2,438,000	-	2,438,000	2,670,700	2,314,894	1,945,592	2,151,804	11,520,990
PUBLIC WORKS-MAINTENANCE FUND	510,515	442,549	-	442,549	450,380	-	-	-	892,929
POLICE DEPARTMENT	255,965	381,818	-	381,818	205,908	431,855	64,120	150,850	1,234,551
PARKS & RECREATION DEPARTMENT	547,500	672,034	-	672,034	2,965,100	2,305,000	205,000	278,000	6,425,134
PARKING FUND	274,078	309,590	-	309,590	564,350	32,600	28,000	105,000	1,039,540
INFORMATION TECHNOLOGY DIVISION	426,000	562,500	-	562,500	365,000	65,000	150,000	-	1,142,500
OTHER DEPARTMENTS	22,000	50,000	-	50,000	122,000	25,000	17,000	25,000	239,000
	<u>\$ 12,614,451</u>	<u>\$ 6,889,546</u>	<u>\$ 4,355,000</u>	<u>\$ 11,244,546</u>	<u>\$ 11,863,158</u>	<u>\$ 9,579,849</u>	<u>\$ 8,058,762</u>	<u>\$ 6,706,857</u>	<u>\$ 47,453,172</u>
<u>PLANNED FINANCING SOURCES</u>									
GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 6,889,546	\$ 4,355,000	\$ 11,244,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,453,172
LESS: USE OF RESERVES	(3,373,283)	(4,772,228)	-	(4,772,228)	(241,720)	-	(25,000)	-	(5,038,948)
VEHICLE & EQUIPMENT REPLACEMENT	(2,315,288)	(1,172,318)	-	(1,172,318)	(1,091,818)	(1,529,318)	(722,818)	(422,818)	(4,939,090)
GRANTS	(1,115,000)	(945,000)	-	(945,000)	(1,695,000)	(545,000)	(545,000)	(545,000)	(4,275,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 5,351,121</u>	<u>\$ -</u>	<u>\$ 4,355,000</u>	<u>\$ 4,355,000</u>	<u>\$ 8,834,620</u>	<u>\$ 7,505,531</u>	<u>\$ 6,765,944</u>	<u>\$ 5,739,039</u>	<u>\$ 33,200,134</u>

CITY OF NEWARK, DELAWARE
SUMMARY OF VEHICLE AND EQUIPMENT REPLACEMENT PROGRAM SCHEDULE
CAPITAL PROGRAM YEARS 2017 - 2021

VEHICLES BY DEPT/DIVISION	REPLACEMENT COSTS					
	2017	2018	2019	2020	2021	TOTAL
ELECTRIC	\$ 43,500	\$ 155,000	\$ 585,500	\$ 302,000	\$ -	\$ 1,086,000
PWWR - WATER DIVISION	190,000	12,000	20,000	210,000	75,000	507,000
PWWR - STORMWATER DIVISION	60,000	18,000	-	-	-	78,000
PWWR - REFUSE DIVISION	200,000	-	220,000	-	180,000	600,000
PWWR - STREET DIVISION	220,000	190,000	175,000	-	-	585,000
PWWR - ENGINEERING DIVISION	21,000	66,000	-	-	-	87,000
PWWR - FLEET MAINTENANCE	-	40,000	-	-	-	40,000
FACILITIES MAINTENANCE	-	25,000	-	-	-	25,000
POLICE	312,000	184,000	395,000	30,000	96,000	1,017,000
PARKS	32,000	240,000	90,000	-	28,000	390,000
PARKING	25,000	21,000	-	28,000	-	74,000
OTHER DEPARTMENTS	50,000	122,000	25,000	17,000	25,000	239,000
SUB-TOTAL FOR VEHICLES	\$ 1,153,500	\$ 1,073,000	\$ 1,510,500	\$ 587,000	\$ 404,000	\$ 4,728,000
<u>EQUIPMENT BY DEPT/DIVISION</u>						
POLICE	18,818	18,818	18,818	18,818	18,818	94,090
INFORMATION TECHNOLOGY	-	-	-	117,000	-	117,000
SUB-TOTAL FOR EQUIPMENT	\$ 18,818	\$ 18,818	\$ 18,818	\$ 135,818	\$ 18,818	\$ 211,090
TOTAL REPLACEMENT PROGRAM	<u>\$ 1,172,318</u>	<u>\$ 1,091,818</u>	<u>\$ 1,529,318</u>	<u>\$ 722,818</u>	<u>\$ 422,818</u>	<u>\$ 4,939,090</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
FIVE YEAR PROPOSED SUMMARY BY FUND - GOVERNMENTAL FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	-----2017----- RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
				2017	2018	2019	2020	2021	
COMMUNITY DEVELOPMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 30,000	\$ 30,000	\$ -	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000	\$ 150,000
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(30,000)	(30,000)	-	(30,000)	(30,000)	(30,000)	(30,000)	(30,000)	(150,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
LAW ENFORCEMENT FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
PARKS SPECIAL REVENUE FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
LESS: USE OF RESERVES	-	-	-	-	-	-	-	-	-
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
CAPITAL PROJECTS FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 4,746,902	\$ 4,104,352	\$ -	\$ 4,074,352	\$ 6,298,708	\$ 5,111,749	\$ 2,351,712	\$ 2,575,654	\$ 20,412,175
LESS: USE OF RESERVES	(741,319)	(2,305,534)	-	(2,305,534)	-	-	-	-	(2,305,534)
VEHICLE & EQUIPMENT REPLACEMENT	(1,652,788)	(853,818)	-	(853,818)	(820,818)	(923,818)	(182,818)	(347,818)	(3,129,090)
GRANTS	(1,035,000)	(945,000)	-	(915,000)	(1,665,000)	(515,000)	(515,000)	(515,000)	(4,125,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 1,317,795</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,812,890</u>	<u>\$ 3,672,931</u>	<u>\$ 1,653,894</u>	<u>\$ 1,712,836</u>	<u>\$ 10,852,551</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
FIVE YEAR PROPOSED SUMMARY BY FUND - ENTERPRISE FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	-----2017----- RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
				2017	2018	2019	2020	2021	
ELECTRIC UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 2,314,419	\$ 43,500	\$ 1,722,000	\$ 1,765,500	\$ 480,000	\$ 710,500	\$ 1,077,000	\$ 875,000	\$ 4,908,000
LESS: USE OF RESERVES	(91,660)	-	-	-	(115,500)	-	-	-	(115,500)
VEHICLE & EQUIPMENT REPLACEMENT	(360,000)	(43,500)	-	(43,500)	(155,000)	(585,500)	(302,000)	-	(1,086,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 1,403,000</u>	<u>\$ -</u>	<u>\$ 1,722,000</u>	<u>\$ 1,722,000</u>	<u>\$ 209,500</u>	<u>\$ 125,000</u>	<u>\$ 775,000</u>	<u>\$ 875,000</u>	<u>\$ 3,706,500</u>
WATER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 3,676,552	\$ 1,695,880	\$ 1,913,000	\$ 3,608,880	\$ 3,339,720	\$ 2,895,000	\$ 3,772,050	\$ 2,321,203	\$ 15,936,853
LESS: USE OF RESERVES	(1,265,945)	(1,445,880)	-	(1,445,880)	(126,220)	-	(25,000)	-	(1,597,100)
VEHICLE & EQUIPMENT REPLACEMENT	(275,000)	(250,000)	-	(250,000)	(30,000)	(20,000)	(210,000)	(75,000)	(585,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER (STORM WATER FEE)	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 2,135,607</u>	<u>\$ -</u>	<u>\$ 1,913,000</u>	<u>\$ 1,913,000</u>	<u>\$ 3,183,500</u>	<u>\$ 2,875,000</u>	<u>\$ 3,537,050</u>	<u>\$ 2,246,203</u>	<u>\$ 13,754,753</u>
SEWER UTILITY FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 1,222,500	\$ 293,675	\$ 720,000	\$ 1,013,675	\$ 700,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,113,675
LESS: USE OF RESERVES	(871,134)	(293,675)	-	(293,675)	-	-	-	-	(293,675)
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	-	-	-	-	-
GRANTS	(50,000)	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 301,366</u>	<u>\$ -</u>	<u>\$ 720,000</u>	<u>\$ 720,000</u>	<u>\$ 700,000</u>	<u>\$ 800,000</u>	<u>\$ 800,000</u>	<u>\$ 800,000</u>	<u>\$ 3,820,000</u>
PARKING FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 274,078	\$ 309,590	\$ -	\$ 309,590	\$ 564,350	\$ 32,600	\$ 28,000	\$ 105,000	\$ 1,039,540
LESS: USE OF RESERVES	(181,578)	(284,590)	-	(284,590)	-	-	-	-	(284,590)
VEHICLE & EQUIPMENT REPLACEMENT	(27,500)	(25,000)	-	(25,000)	(21,000)	-	(28,000)	-	(74,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 65,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 543,350</u>	<u>\$ 32,600</u>	<u>\$ -</u>	<u>\$ 105,000</u>	<u>\$ 680,950</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
FIVE YEAR PROPOSED SUMMARY BY FUND - OTHER FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	-----2017----- RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
				2017	2018	2019	2020	2021	
MAINTENANCE FUND:									
GROSS CAPITAL IMPROVEMENTS	\$ 350,000	\$ 442,549	\$ -	\$ 442,549	\$ 450,380	\$ -	\$ -	\$ -	\$ 892,929
LESS: USE OF RESERVES	(221,647)	(442,549)	-	(442,549)	-	-	-	-	(442,549)
VEHICLE & EQUIPMENT REPLACEMENT	-	-	-	-	(65,000)	-	-	-	(65,000)
GRANTS	-	-	-	-	-	-	-	-	-
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 128,353</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 385,380</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 385,380</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
FIVE YEAR SUMMARY BY FUND - TOTAL OF ALL FUNDS (with current year amended budget)

	AMENDED BUDGET 2016	-----2017----- RESERVES & OTHER FUNDING	CURRENT FUNDING	PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
				2017	2018	2019	2020	2021	
TOTAL CAPITAL IMPROVEMENTS:									
GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 6,919,546	\$ 4,355,000	\$ 11,244,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,453,172
LESS: USE OF RESERVES	(3,373,283)	(4,772,228)	-	(4,772,228)	(241,720)	-	(25,000)	-	(5,038,948)
VEHICLE & EQUIPMENT REPLACEMENT	(2,315,288)	(1,172,318)	-	(1,172,318)	(1,091,818)	(1,529,318)	(722,818)	(422,818)	(4,939,090)
GRANTS	(1,115,000)	(975,000)	-	(945,000)	(1,695,000)	(545,000)	(545,000)	(545,000)	(4,275,000)
BOND ISSUES	-	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	(459,759)	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ 5,351,121</u>	<u>\$ -</u>	<u>\$ 4,355,000</u>	<u>\$ 4,355,000</u>	<u>\$ 8,834,620</u>	<u>\$ 7,505,531</u>	<u>\$ 6,765,944</u>	<u>\$ 5,739,039</u>	<u>\$ 33,200,134</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM SUMMARY BY FUNCTION
FOR THE FISCAL YEAR 2017

TOTAL PROJECT COSTS

<u>DEPARTMENT/DIVISION</u>	<u>COMMUNITY DEVELOPMENT FUND</u>	<u>CAPITAL PROJECTS FUND</u>	<u>ELECTRIC FUND</u>	<u>WATER FUND</u>	<u>SEWER FUND</u>	<u>PARKING FUND</u>	<u>MAINTENANCE FUND</u>	<u>TOTAL</u>
GENERAL GOV'T-FINANCE DEPARTMENT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
GENERAL GOV'T-ADMINISTRATIVE DEPARTMENT	-	-	-	-	-	-	-	-
GENERAL GOV'T-ADMINISTRATIVE IT DIVISION	-	562,500	-	-	-	-	-	562,500
GENERAL GOV'T-LEGISLATIVE DEPARTMENT	-	-	-	-	-	-	-	-
PUBLIC SAFETY-CODE ENFORCEMENT DIVISION	-	50,000	-	-	-	-	-	50,000
PUBLIC SAFETY-POLICE DEPARTMENT	-	381,818	-	-	-	-	-	381,818
PUBLIC WORKS-REFUSE DIVISION	-	200,000	-	-	-	-	-	200,000
PUBLIC WORKS-STREET DIVISION	30,000	2,187,000	-	-	-	-	-	2,217,000
PUBLIC WORKS-ENGINEERING DIVISION	-	21,000	-	-	-	-	-	21,000
CULTURE & RECREATION-PARKS DEPARTMENT	-	672,034	-	-	-	-	-	672,034
ELECTRIC FUND	-	-	1,765,500	-	-	-	-	1,765,500
WATER FUND-WATER DIVISION	-	-	-	3,108,880	-	-	-	3,108,880
WATER FUND-STORMWATER DIVISION	-	-	-	500,000	-	-	-	500,000
SEWER FUND	-	-	-	-	1,013,675	-	-	1,013,675
PARKING FUND	-	-	-	-	-	309,590	-	309,590
MAINTENANCE FUND-FLEET MANAGEMENT	-	-	-	-	-	-	352,549	352,549
MAINTENANCE FUND-FACILITIES MANAGEMENT	-	-	-	-	-	-	90,000	90,000
	<u>\$ 30,000</u>	<u>\$ 4,074,352</u>	<u>\$ 1,765,500</u>	<u>\$ 3,608,880</u>	<u>\$ 1,013,675</u>	<u>\$ 309,590</u>	<u>\$ 442,549</u>	<u>\$ 11,244,546</u>

PLANNED FINANCING SOURCES

GROSS CAPITAL IMPROVEMENTS	\$ 30,000	\$ 4,074,352	\$ 1,765,500	\$ 3,608,880	\$ 1,013,675	\$ 309,590	\$ 442,549	\$ 11,244,546
LESS: USE OF RESERVES	-	(2,305,534)	-	(1,445,880)	(293,675)	(284,590)	(442,549)	(4,772,228)
VEHICLE & EQUIPMENT REPLACEMENT	-	(853,818)	(43,500)	(250,000)	-	(25,000)	-	(1,172,318)
GRANTS	(30,000)	(915,000)	-	-	-	-	-	(945,000)
BOND ISSUES	-	-	-	-	-	-	-	-
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	-
NET CAPITAL IMPROVEMENTS	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,722,000</u>	<u>\$ 1,913,000</u>	<u>\$ 720,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,355,000</u>

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
ELECTRIC FUND

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
				RESERVES & OTHER FUNDING	CURRENT FUNDING	R E C O M M E N D E D F U N D I N G					
						2017	2018	2019	2020	2021	TOTAL
E1701	New Lines & Services	D	\$125,000	\$0	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$625,000
E1702	Reconductor-Main Street	D	0	0	85,000	85,000	0	0	0	0	85,000
E1602	Circuit Breaker Replacement	D	0	0	0	0	65,000	0	0	0	65,000
E1502	Star Campus Underground Distribution	D	0	0	0	0	0	0	600,000	700,000	1,300,000
E1504	LED Streetlight Installation	A	459,759	0	0	0	0	0	0	0	0
E1402	12 KV Line Extension	D	42,765	0	0	0	0	0	0	0	0
E1403	Conductor Upgrades	D	190,000	0	0	0	0	0	0	0	0
E1203	CAD Software	D	0	0	0	0	135,000	0	0	0	135,000
E1104	Spacer Cable Replacement	D	0	0	0	0	0	0	50,000	50,000	100,000
E1105	New Transformers & Circuit Breakers	D	606,000	0	653,000	653,000	0	0	0	0	653,000
E0903	12KV Changeover	A	29,895	0	43,000	43,000	0	0	0	0	43,000
E0503	SCADA & Automatic Switching	D	501,000	0	816,000	816,000	0	0	0	0	816,000
EEQSF	Vehicle Replacement Program	D	360,000	43,500	0	43,500	155,000	585,500	302,000	0	1,086,000
Total Electric Fund			\$2,314,419	\$43,500	\$1,722,000	\$1,765,500	\$480,000	\$710,500	\$1,077,000	\$875,000	\$4,908,000
GROSS CAPITAL IMPROVEMENTS			\$2,314,419	\$43,500	\$1,722,000	\$1,765,500	\$480,000	\$710,500	\$1,077,000	\$875,000	\$4,908,000
LESS: USE OF RESERVES			(91,660)	0	0	0	(115,500)	0	0	0	(115,500)
VEHICLE/EQUIPMENT REPLACEMENT			(360,000)	(43,500)	0	(43,500)	(155,000)	(585,500)	(302,000)	0	(1,086,000)
GRANTS			0	0	0	0	0	0	0	0	0
BOND ISSUES			0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES			(459,759)	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS			\$1,403,000	\$0	\$1,722,000	\$1,722,000	\$209,500	\$125,000	\$775,000	\$875,000	\$3,706,500

Justification Codes:

A - Return on Investment - Overall Savings

B - Public Safety

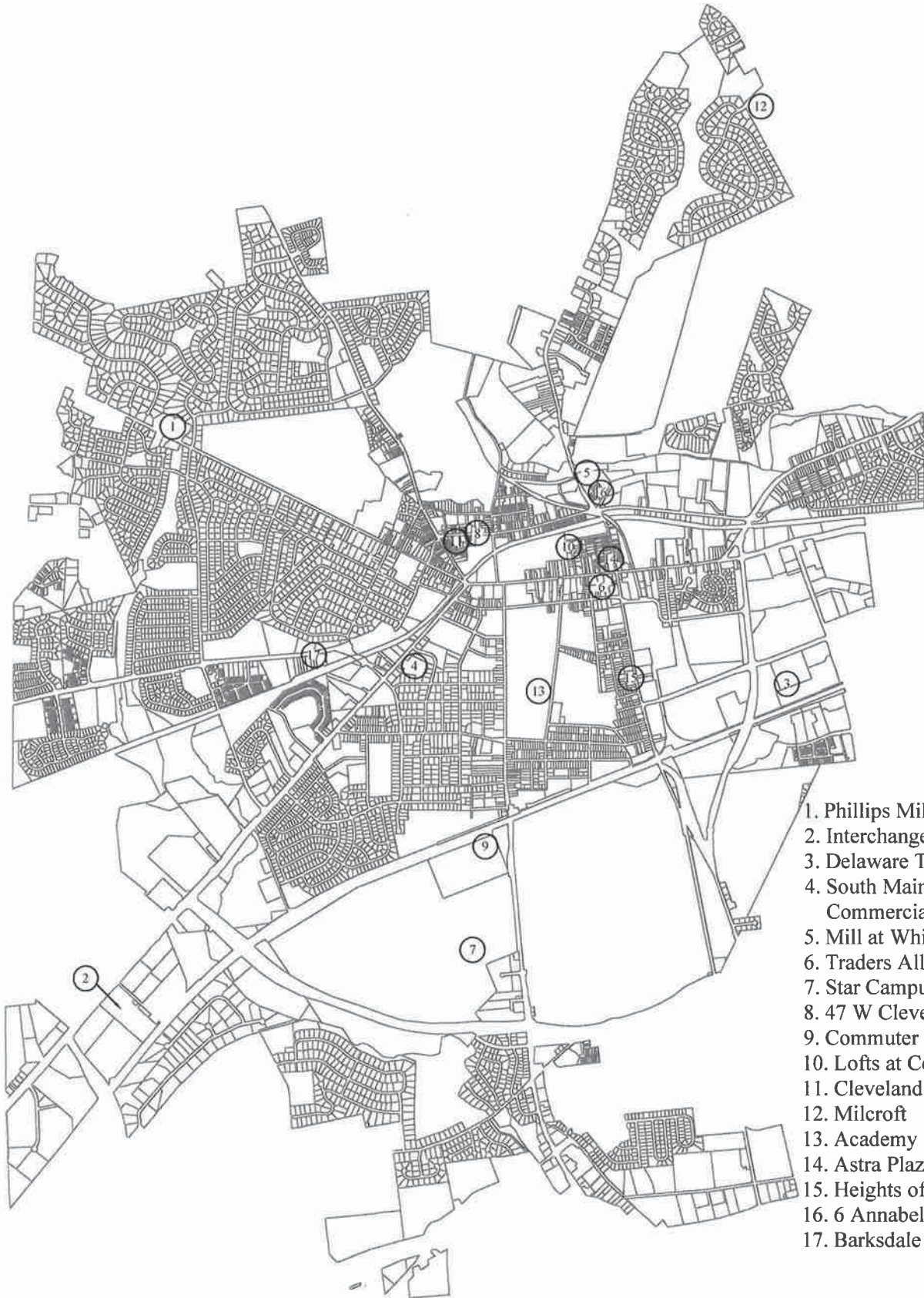
C - Community Health

D - Efficiency/Other

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Electric		DIVISION:	
PROJECT NO: E1701	PROJECT TITLE: New Lines and Services	PROJECT LOCATION: Various locations in the City	
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ 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: Installation of electric distribution lines in new developments. This includes both overhead and underground primary and secondary services lines. This project is required based on the obligation to serve new customers in the City.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	ONGOING	Labor	5195106.9860
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760
Est. Total Cost	625,000	Other Contracts	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 625,000
Balance to be funded ¹	625,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES		125,000	125,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	125,000	125,000
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

E 1701



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. Astra Plaza
15. Heights of S Chapel
16. 6 Annabella St
17. Barksdale Green

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Electric		DIVISION:	
PROJECT NO: E1702	PROJECT TITLE: Reconductor Main Street	PROJECT LOCATION: Main Street	
PROJECT STATUS (CHECK ONE): ☒ NEW ☐ IN PRIOR PROGRAM ☐ 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:		Sustainable Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: Once the existing 4.16kv voltage upgrade on Main Street and Academy Street is completed, the existing 4.16kv aerial feeder on Main Street can be upgraded to a 12.47kv express feeder which will create a new tie between the Phillips Avenue, East Main Street and West Main Street substations. Conductor and insulator upgrades are needed on Main Street. This new circuit will provide emergency backup capacity for the following circuits: East Main 90, East Main 82, Wyoming Road 82-1, West Main 41, West Main 45, West Main 76-2, Sandy Brae 78-2, Phillips 88 and Phillips 86-1.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9730
Est. Total Cost	85,000	Other Contracts	5195106.9730
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost	\$ 85,000
Balance to be funded ¹	85,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES		85,000	
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	85,000	-
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

E1702

E Main St.

Upgrade to 3Ø 336 ACSR
S Chapel to S College Ave.
S College to S Main St.

S Chapel St.

N COLLEGE AVE

S COLLEGE AVE

AVENUE

SOUTH MAIN ST.

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Electric		DIVISION:					
PROJECT NO: E1602	PROJECT TITLE: Circuit Breaker Replacement			PROJECT LOCATION: Fremont Road Substation			
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ IN PROGRESS							
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 35kv oil circuit breaker installed in 1975 feeding transformer 47 at the Fremont Road Substation does not always open and close properly. Due to this problem and its age, it is recommended it be replaced with a vacuum type breaker.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor	5195106.9830		\$	10,000	
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9730		\$	40,000	
Est. Total Cost	65,000	Other Contracts	5195106.9730		\$	15,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 65,000
Balance to be funded ¹	65,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

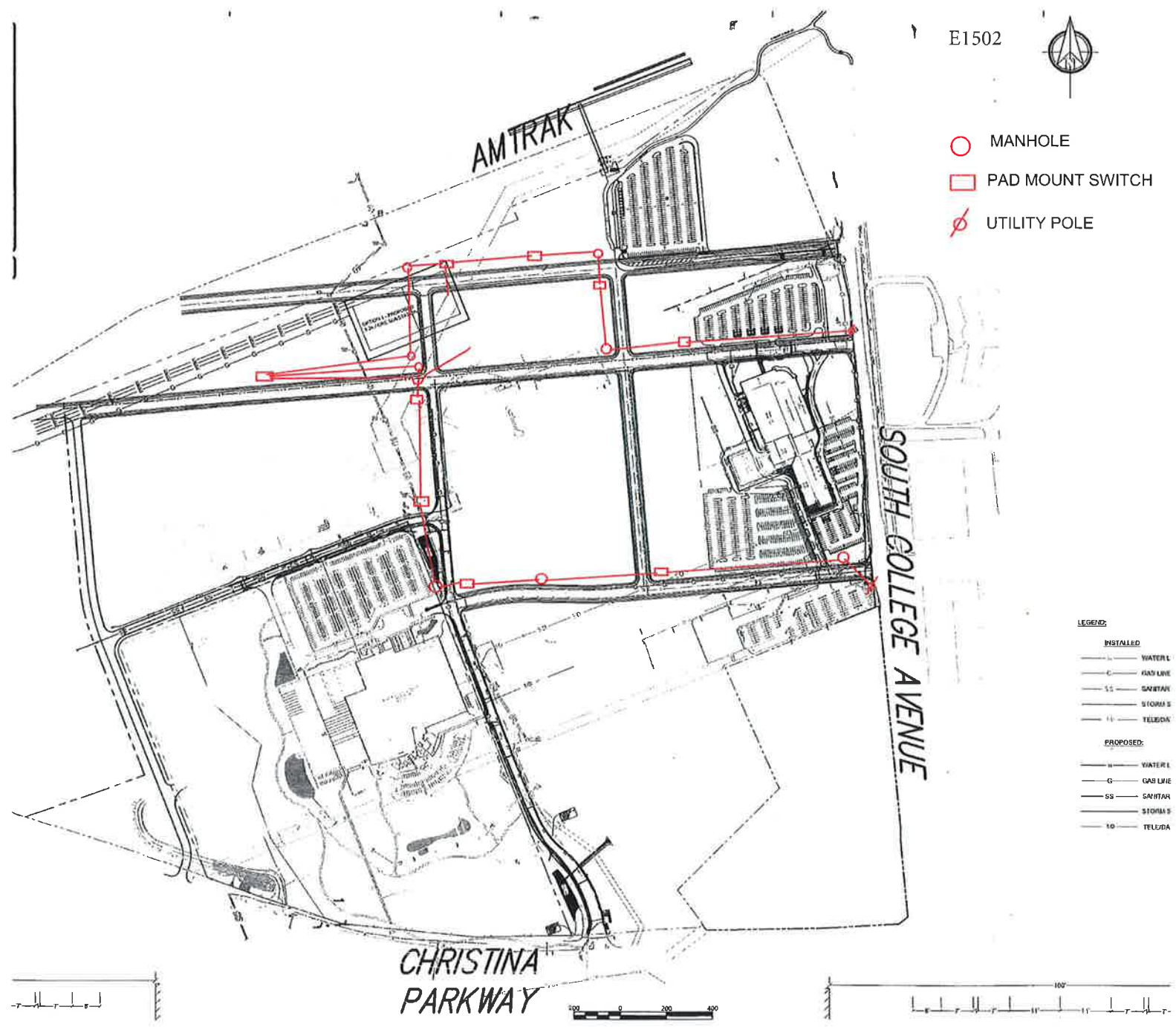
DEPARTMENT: Electric		DIVISION:	
PROJECT NO: E1502	PROJECT TITLE: Star Campus Underground		PROJECT LOCATION: UD Star Campus
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ IN PROGRESS			
PRIORITY: 3 - Medium-High The City would be taking a calculated risk in the deferral of this item			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: Underground electrical distribution equipment needed for the Star Campus. The priority level is assigned as medium-high, but this project is not necessarily "being deferred"; it is simply not required until later in the five-year plan. In other words, this is a high priority item that is scheduled in the appropriate time period.			

\$ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2021	Labor	5195106.9860	\$ 50,000
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 1,250,000
Est. Total Cost	1,300,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost \$ 1,300,000		
Balance to be funded ¹	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.		
% Complete (if underway)				

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES					600,000	700,000	1,300,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	600,000	700,000	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	2017	2018	2019	2020	2021	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						



CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Electric		DIVISION:	
PROJECT NO: E1203	PROJECT TITLE: CAD Software	PROJECT LOCATION: N/A	
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ IN PROGRESS			
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: 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		PROJECT COST BY CATEGORY	
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS AMOUNT
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	15 YRS.	Materials	5195106.9622 \$ 135,000
Est. Total Cost	135,000	Other Contracts	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost \$ 135,000	
Balance to be funded 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.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			19,500
CAPITAL RESERVES			115,500
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Electric		DIVISION:					
PROJECT NO: E1104	PROJECT TITLE: Spacer Cable Replacement				PROJECT LOCATION: Various		
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ IN PROGRESS							
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							
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: The covering on existing aerial spacer cables at various locations is cracking and becoming brittle causing reliability issues. The worst of the cables were remediated in prior years, leaving the less critical of the cables to be done in the out years of the CIP program.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2021	Labor	5195106.9860		\$	45,000	
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760		\$	55,000	
Est. Total Cost	100,000	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost				\$	100,000
Balance to be funded ¹	100,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES					50,000	50,000	100,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	50,000	50,000	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Electric		DIVISION:					
PROJECT NO: E1105	PROJECT TITLE: Upgrade Substation Transformers and Circuit Breakers	PROJECT LOCATION: Phillips, East Main, West Main, and Chestnut Hill Rd substations					
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☒ 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: 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.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS AMOUNT				
Est. Completion Date	2017	Labor	5195106.9830 \$ 92,000				
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9730 \$ 514,000				
Est. Total Cost	2,799,000	Other Contracts	5195106.9730 \$ 47,000				
Est. Spend @ 12/31 (if underway) ¹	2,146,000	Total Project Cost \$ 653,000					
Balance to be funded ¹	653,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	78%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		653,000					653,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	653,000	-	-	-	-	653,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

E1105

Chestnut Hill Rd
Substation site
expansion
and new 10/12/14MVA
Power Transformer

New 12.47KV
Circuit

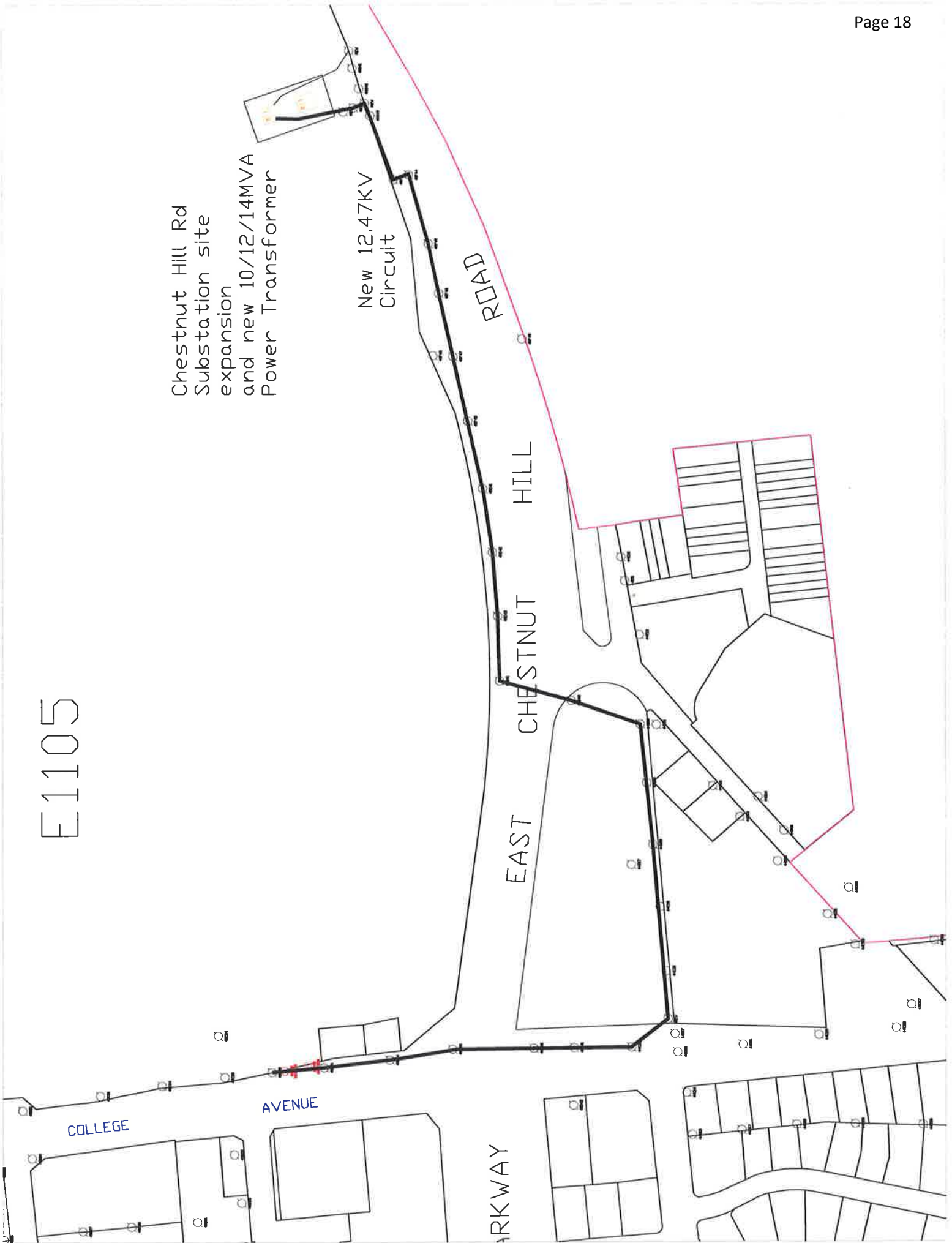
ROAD

EAST CHESTNUT HILL

COLLEGE

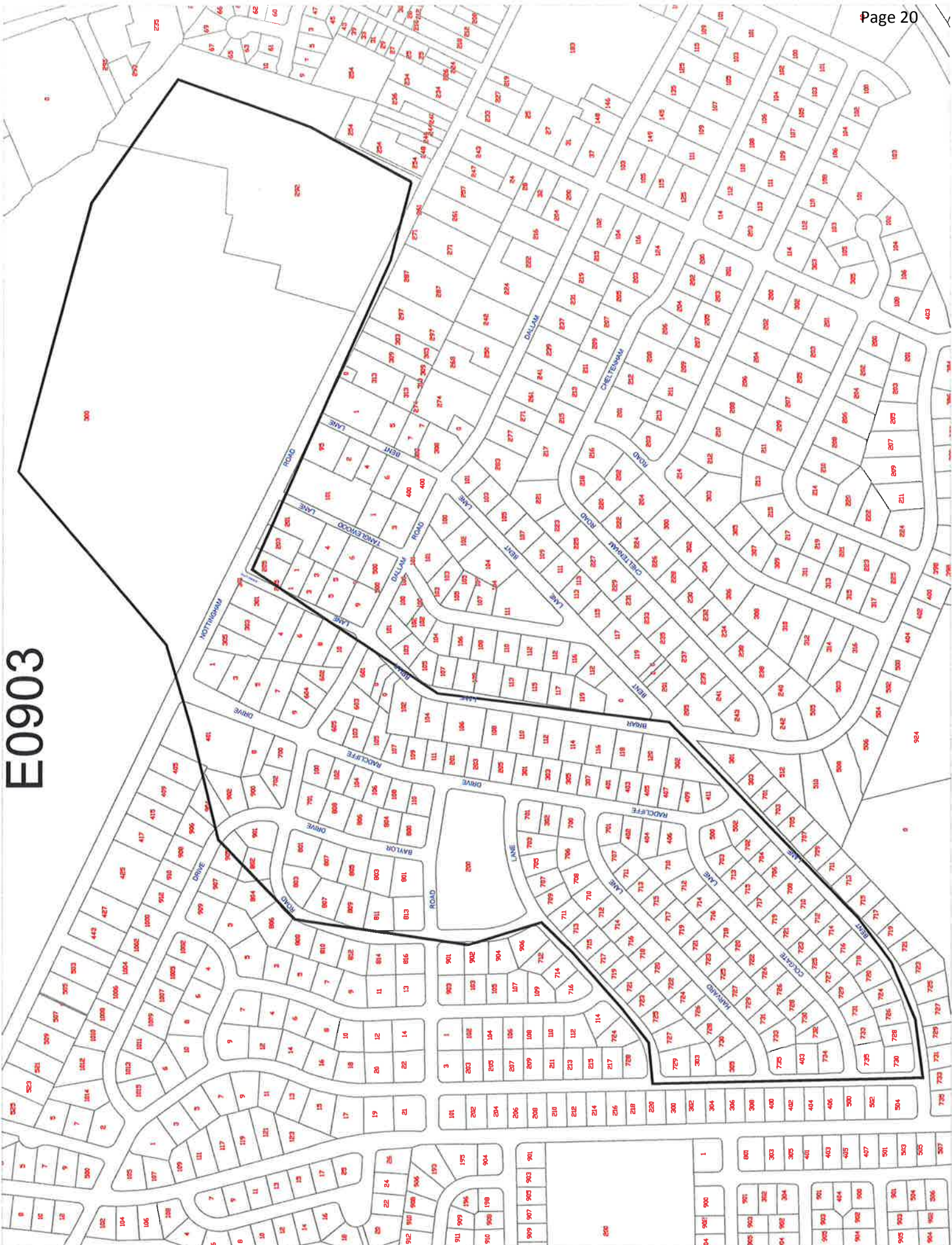
AVENUE

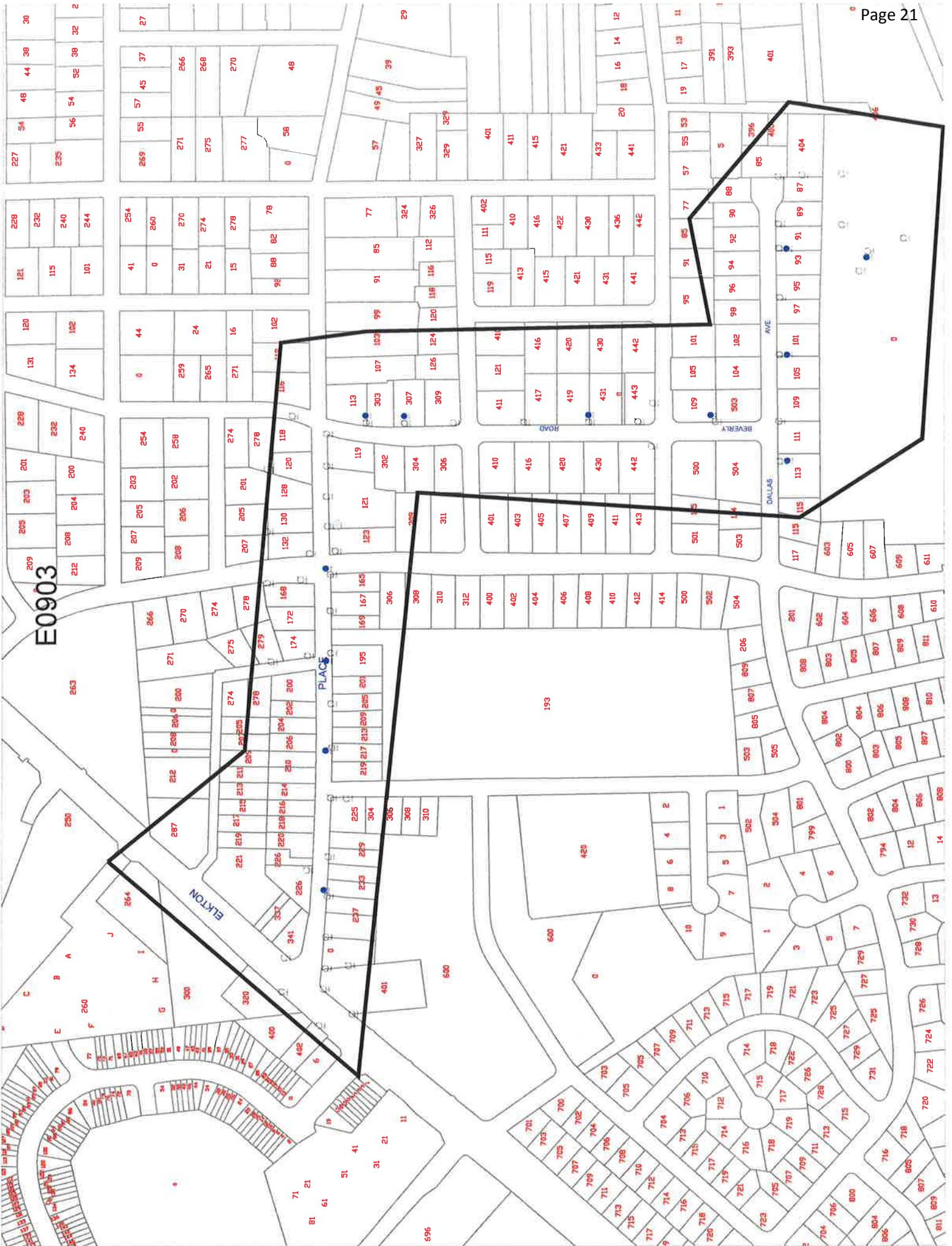
ARKWAY



CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Electric		DIVISION:					
PROJECT NO: E0903	PROJECT TITLE: 12kV Changeover				PROJECT LOCATION: Various		
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☒ 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: Upgrade several areas to 12.47kV from 4.16kV by upgrading voltage, future purchase of 4.16kV transformers will be avoided and losses will be reduced. 2016 - Nottingham Green, Country Club and The First Presbyterian Church. 2017 - replace existing 4kV transformers on Main Street, Academy Street, West Park Place, Dallas Avenue and Ritter Lane to prepare for future voltage upgrades.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor	5195106.9860		\$	27,000	
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760		\$	16,000	
Est. Total Cost	173,000	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹	130,000	Total Project Cost		\$		43,000	
Balance to be funded ¹	43,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	42%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		43,000					43,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	43,000	-	-	-	-	43,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

E0903





CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Electric		DIVISION:					
PROJECT NO: E0503	PROJECT TITLE: SCADA & Automatic Switching				PROJECT LOCATION: Various		
PROJECT STATUS (CHECK ONE): ☐ NEW ☒ IN PRIOR PROGRAM ☐ 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 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.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2005	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor	5195106.9860		\$	62,000	
Est. Useful Life (in years)	20 YRS.	Materials	5195106.9760		\$	264,000	
Est. Total Cost	1,300,042	Other Contracts	5195106.9960		\$	490,000	
Est. Spend @ 12/31 (if underway) ¹	484,042	Total Project Cost					\$ 816,000
Balance to be funded ¹	816,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	68%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		816,000					816,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	816,000	-	-	-	-	816,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		20,000	20,000	20,000	20,000	80,000	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Electric		DIVISION:					
PROJECT NO: EEQSF	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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	1,086,000	Other Contracts	5195106.9623		\$ 1,086,000		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost				\$ 1,086,000	
Balance to be funded ¹	1,086,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		43,500	155,000	585,500	302,000		1,086,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	43,500	155,000	585,500	302,000	-	1,086,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
ELECTRIC UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	RECOM'D MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
STAFF CARS													
103	2010 Dodge Nitro	05/28/10	19,567	71,412	70,000	5	2015	2019			30,000		
116	2012 Toyota Camry Hybrid	03/19/12	24,718	6,553	70,000	10	2022	2022					
120	2012 Toyota Camry Hybrid	03/19/12	24,718	9,990	70,000	10	2022	2022					
LINE TRUCKS													
100	1997 Int'l 4700 Stake Truck	03/14/97	39,285	56,599	110,000		N/A	N/A					
101	2005 Int'l 4300 Aerial Lift Truck	a. 10/01/04	115,499	101,699	75,000	8	2012	2016					
104	2013 International 7400 Digger	09/21/12	228,003	23,212	75,000	8	2020	2020				267,000	
105	2006 International 7400 Pole Truck	09/01/06	166,920	30,364	65,000	8	2014	2019			256,500		
115	EZ Hauler 4100 Mini Digger Derrick	09/12/08	120,732	--	--	8	2016	2018		155,000			
122	2004 Int'l Aerial Lift Truck	a. 09/12/03	123,982	88,037	65,000	8	2011	2016					
124	2009 Ford F750 Aerial Lift	09/18/09	149,600	42,942	100,000	8	2018	2019			199,000		
126	2009 Ford F250 Truck	04/03/09	19,965	87,700	90,000	8	2017	2019			35,000		
130	2013 Ford F750 Aerial Lift	01/14/14	176,500	17,348	75,000	8	2022	2022					
147	2015 Ford F750 Bucket Truck	07/31/15	164,100	8,078	75,000	8	2023	2023					
PICK-UPS & VANS													
129	2011 Ford 3/4 Ton Utility Body	07/02/10	27,412	28,090	90,000	10	2020	2020				35,000	
132	2008 GMC Sierra 2500 Pickup	10/03/08	20,579	32,985	65,000	10	2018	2019			35,000		
145	2002 Dodge Ram R2500 Pickup	05/31/02	21,337	76,317	65,000	10	2012	2017	43,500				
OTHER EQUIPMENT													
154	2005 Daewoo 5K Forklift	10/14/05	21,450	--	--	10	2015	2019			30,000		
155	2008 Komatsu 10K Forklift FC	11/30/15	24,900	--	--	10	2018	2022					
TOTAL ELECTRIC UTILITY									\$43,500	\$155,000	\$585,500	\$302,000	\$0

a. This vehicle scheduled to be replaced in 2016.

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CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
WATER FUND - WATER DIVISION

PROJECT #/PROJECT NAME/JUSTIFICATION CODE	2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	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	0	0	20,000	20,000	20,000	20,000	30,000	40,000	130,000
W1703 Laird Tract Well Field Treatment Plant D	0	0	0	0	0	400,000	1,200,000	0	1,600,000
W1601 Backup Generation at Remote Wells D	0	0	0	0	82,500	70,000	0	0	152,500
W1602 Roseville Park Pressure District B	25,000	0	0	0	0	0	25,000	125,000	150,000
W1501 Reservoir Upgrades D	50,000	50,000	0	50,000	0	0	0	0	50,000
W1503 Academy Street Interconnection Station D	42,500	42,500	0	42,500	0	50,000	500,000	0	592,500
W1401 Re-Bed Filters 1 and 2 D	263,250	0	0	0	0	0	0	0	0
W1402 Air Stripper Replacement/Storage Tank Config. D	150,000	225,000	0	225,000	1,000,000	0	0	0	1,225,000
W1302 Abandon Old Wells B	40,000	0	0	0	40,000	0	0	0	40,000
W1303 Water System Master Plan D	52,150	52,150	0	52,150	0	0	0	0	52,150
W1304 Eliminate Tank Overflows B	67,660	67,660	0	67,660	0	0	0	0	67,660
W1201 Water Main: Windy Hills to Red Mill B	329,350	329,350	100,000	429,350	0	0	0	0	429,350
W1101 Curtis Plant Intake Replacement D	172,440	86,220	0	86,220	86,220	0	0	0	172,440
W1102 Lime Silo/Delivery Rehabilitation D	13,650	0	0	0	0	0	0	0	0
W1104 South Well Field Post Filter pH Adjustment D	30,001	100,000	0	100,000	0	0	0	0	100,000
W0503 Well Restoration A	25,551	0	28,000	28,000	56,000	29,000	29,000	30,000	172,000
W0002 Alternative Disinfection Equipment B	250,000	243,000	400,000	643,000	0	0	0	0	643,000
W9302 SCADA System D	75,000	150,000	0	150,000	200,000	200,000	50,000	50,000	650,000
W9308 Water Main Renovation Program D	1,300,000	100,000	900,000	1,000,000	500,000	1,000,000	500,000	1,000,000	4,000,000
W8605 Water Tank Maintenance D	475,000	0	25,000	25,000	700,000	500,000	600,000	350,000	2,175,000
T0101 NPDES Phase II Stormwater Quality (to Stormwater) C	40,000	0	0	0	0	0	0	0	0
WEQSF Vehicle Replacement Program D	275,000	190,000	0	190,000	12,000	20,000	210,000	75,000	507,000
Total Water Fund-Water Division	\$3,676,552	\$1,635,880	\$1,473,000	\$3,108,880	\$2,861,720	\$2,414,000	\$3,269,000	\$1,795,000	\$13,448,600
GROSS CAPITAL IMPROVEMENTS	\$3,676,552	\$1,635,880	\$1,473,000	\$3,108,880	\$2,861,720	\$2,414,000	\$3,269,000	\$1,795,000	\$13,448,600
LESS: USE OF RESERVES	(1,265,945)	(1,445,880)	0	(1,445,880)	(126,220)	0	(25,000)	0	(1,597,100)
VEHICLE/EQUIPMENT REPLACEMENT	(275,000)	(190,000)	0	(190,000)	(12,000)	(20,000)	(210,000)	(75,000)	(507,000)
GRANTS	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS	\$2,135,607	\$0	\$1,473,000	\$1,473,000	\$2,723,500	\$2,394,000	\$3,034,000	\$1,720,000	\$11,344,500

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: Water					
PROJECT NO: W1701	PROJECT TITLE: Valve Inspection, Exercising and Rehabilitation				PROJECT LOCATION: Various		
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☐ 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: 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 2017 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 my 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			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2022	Labor					
Est. Useful Life (in years)	5	Materials	5295203.9760		\$ 75,000		
Est. Total Cost	540,000	Other Contracts	5295206.9760		\$ 465,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 540,000			
Balance to be funded ¹	540,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1702	PROJECT TITLE: Source Water Protection				PROJECT LOCATION: White Clay Creek Watershed		
PROJECT STATUS (CHECK ONE): ☒ NEW ☐ IN PRIOR PROGRAM ☐ 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: Sustainable 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. 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. Assuming the fund moves forward as planned, there will be a consistent source of projects, prioritized by their cost effectiveness at achieving the fishable, swimmable, potable goal. 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		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2027	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	130,000	Other Contracts	5295206.9760		\$	130,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		130,000	
Balance to be funded ¹	130,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		20,000	20,000	20,000	30,000	40,000	130,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	20,000	20,000	20,000	30,000	40,000	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1703	PROJECT TITLE: Laird Tract Well Field				PROJECT LOCATION: Curtis Park/White Clay Creek SP		
PROJECT STATUS (CHECK ONE): ☒ NEW ☐ IN PRIOR PROGRAM ☐ 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: Sustainable Community							
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: This project will fund the design and construction of a new drinking water 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 creation of the LTWF treatment plant would provide the City with up to 1.5 million gallons per day of additional treated drinking water. The increase in capacity, paired with the daily production of the City's South Well Field Treatment plant, would be enough to sustain demand should the City's main plant (Curtis Water Treatment Plant) be down for any significant period. Currently the City cannot meet demand with the Curtis plant offline resulting in roughly \$4,000 per day in water purchases via the City's interconnection with Suez and Artesian water companies. 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			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2020	Labor					
Est. Useful Life (in years)	100	Materials					
Est. Total Cost	1,600,000	Other Contracts	5295206.9760		\$ 1,600,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 1,600,000			
Balance to be funded ¹	1,600,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES				400,000	1,200,000		1,600,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	400,000	1,200,000	-	1,600,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

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: Wells 15, 17, and NW Booster Station					
PROJECT STATUS (SELECT FROM DROP DOWN):							
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					
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		PROJECT COST BY CATEGORY					
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT			
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	25	Materials					
Est. Total Cost	152,500	Other Contracts	5295206.9760	\$ 152,500			
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost \$ 152,500					
Balance to be funded ¹	152,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			82,500	70,000			152,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
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		2017	2018	2019	2020	2021	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.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2021	Labor					
Est. Useful Life (in years)	100	Materials					
Est. Total Cost	175,000	Other Contracts	5295206.9760		\$	150,000	
Est. Spend @ 12/31 (if underway) ¹	25,000	Total Project Cost		\$		150,000	
Balance to be funded ¹	150,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	14%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES						125,000	125,000
CAPITAL RESERVES					25,000		25,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	-	-	25,000	125,000	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1501	PROJECT TITLE: Reservoir Upgrades				PROJECT LOCATION: Reservoir		
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 proposes reduce thermal stratification which negatively impacts the water quality of thermally stratified layers, contributing to taste and odor problems when using water from depths below the normal operating range and increasing the treatment and chemical demands necessary to effectively treat water from the reservoir. This project is nearing completion.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	50,000	Other Contracts	5295206.9740		\$	50,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		50,000	
Balance to be funded ¹	50,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1503	PROJECT TITLE: Academy St. Interconnection Pump Station				PROJECT LOCATION: Academy Street and Waterworks Lane		
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 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 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 United 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 United Water, 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. Additionally, long-term maintenance on the oversized building will continue to be a maintenance burden for as long as the station is in service. This project proposes to review alternatives for replacement of the existing station with a pre-packaged booster station similar to what has been installed at the Northwest Booster and Arbour Park. These stations feature high efficiency pumps, SCADA compatibility, and variable frequency drives creating a low maintenance cost, reliable, and efficient pump station. We will perform a needs assessment to properly size the pumps for current and future potential demand. This project will also demolish the existing building if the decision is to move forward with a package system.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2020	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	598,812	Other Contracts	5295206.9760		\$	592,500	
Est. Spend @ 12/31 (if underway) ¹	6,312	Total Project Cost		\$		592,500	
Balance to be funded ¹	592,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	2%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES				50,000	500,000		550,000
CAPITAL RESERVES		42,500					42,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	42,500	-	50,000	500,000	-	592,500
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1402	PROJECT TITLE: Air Stripper Replacement South Well Field				PROJECT LOCATION: South Well Field Treatment Plant		
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 current air stripper is a single unit with no redundancy. It has been in service for many years, it is very difficult to maintain due to its location on top of the raw water tank, and it is unable to adequately treat the water that we have available in our new well 14R. Also, the lack of redundancy in the air stripper, raw and finish water tanks, means we are unable to perform routine maintenance without halting production at South Well Field for the project duration. This project will accomplish several priorities. First it will provide us with new air strippers (sized for redundancy) located atop a much smaller raw water tank that will then pump up into the existing raw water tank. This will allow the new stripper to be located near ground level as opposed to the current stripper located on the top of the raw water tank. The project will begin with a pilot study of the desired air stripper at Well 14R for proof of concept. There is a chance that the project could be eligible for State of Delaware revolving loan or other funding sources, should Council desire the utilization of debt for this project. The pilot study has been delayed due to the permitting and allocation process. 2017 - Pilot project on Well 14R, design, updated cost estimate, update CIP as necessary 2018 - Bidding, and Construction begins 2019 - Construction completed							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	1,225,000	Other Contracts	5295206.9740		\$ 1,225,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 1,225,000			
Balance to be funded ¹	1,225,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			1,000,000				1,000,000
CAPITAL RESERVES		225,000					225,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	225,000	1,000,000	-	-	-	1,225,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works & Water Resources		DIVISION: Water	
PROJECT NO: W1302	PROJECT TITLE: Abandon Old Wells	PROJECT LOCATION: 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: 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 Well 24 (Along the west side of Creek Road past Bubble Gum Rock), Well 5, and other associated monitoring wells at Lewis Park and Well 10 (South Well Field). This work will be done in coordination with the DSGS and DNREC Office of Ground Water. We are holding off on closing wells 25, 23, 21, 20, 18, and 19 at this time because they may be able to be reactivated after upgrades are completed at SWF or as part of the proposed Laird Tract Water Treatment Plant.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)		Materials	
Est. Total Cost	40,000	Other Contracts	5295206.9760
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost	\$ 40,000
Balance to be funded ¹	40,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES			40,000
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works & Water Resources		DIVISION: Water					
PROJECT NO: W1303	PROJECT TITLE: Water System Master Plan				PROJECT LOCATION: 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 of the stormwater management GIS system that is currently in development and expand it to cover the water system. We will use a combination of existing maps, field survey, and other data sources to build an accurate GIS database of existing water assets including buried infrastructure, booster stations, tanks, treatment plants and other related features. This database will allow for better targeted repair and replacement of assets, creation of an advanced water model for analysis of needed upgrades, and serve as a data warehouse for O&M manuals, maintenance history and other data relevant to efficient operation of a water utility.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	52,150	Other Contracts	5295206.9760		\$	52,150	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 52,150
Balance to be funded ¹	52,150	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		52,150					52,150
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	52,150	-	-	-	-	52,150
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1304	PROJECT TITLE: Eliminate Tank Overflows on Private Property				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: Several of our water tanks have overflows that flow across lawns or through pipes that pass through private drain lines. This project will provide funding such that we can begin to implement solutions to these problems. During 2016 we have addressed the Louviers tank in-house. In 2017 we plan to address Windy Hills tank.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	70,000	Other Contracts	5295206.9760		\$	67,660	
Est. Spend @ 12/31 (if underway) ¹	2,340	Total Project Cost		\$		67,660	
Balance to be funded ¹	67,660	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	3%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		67,660					67,660
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	67,660	-	-	-	-	67,660
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1201	PROJECT TITLE: 12" Water Main				PROJECT LOCATION: Windy Hills and Red Mill Road		
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: When Windy Hills was developed, provisions were made to extend a 12 inch line to Red Mill Road. Since then we have continued to serve customers on Capitol Trail East to Harmony Road and various businesses on Ruthar Drive with only the 8" line in Capitol Trail. Due to this, any interruption in service in this line takes everything beyond it offline, as was the case two winters ago where we had thousands of customers without water due to a main break near the Windy Hills bridge. Making this 12 inch connection will provide a second source of water for this section of our water system improving the pressure, flow, and water quality. We bid the project in 2016 but all bids came back higher than originally budgeted. The low bidder has agreed to hold pricing until 2017 to allow for us to add funding through the budget process. The schedule is now as follows: 2014 Alternatives Study and Cost Estimates. Update Capital Budget for 2015/2016 - Complete 2015 Detailed survey, design, and permitting. Update 2016 Capital Budget if Necessary - Complete 2016 Bidding - Complete but prices higher than anticipated, added \$100k to 2017 budget 2017 Construction							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	75+	Materials					
Est. Total Cost	502,000	Other Contracts	5295206.9760		\$	429,350	
Est. Spend @ 12/31 (if underway) ¹	72,650	Total Project Cost		\$		429,350	
Balance to be funded ¹	429,350	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	18%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		100,000					100,000
CAPITAL RESERVES		329,350					329,350
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	429,350	-	-	-	-	429,350
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W1101	PROJECT TITLE: Curtis WTP Intake Study and Replacement				PROJECT LOCATION: 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. We also have 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. This project will evaluate alternatives and make recommendations for projects to address the various issues related to the raw water intake system. 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 are scheduled to occur in 2017 and the new bar screen is scheduled in 2018. Large scale intake work will not occur until 2022 when the reservoir debt service is paid off.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	175,607	Other Contracts	5295206.9621		\$	172,440	
Est. Spend @ 12/31 (if underway) ¹	3,167	Total Project Cost		\$		172,440	
Balance to be funded ¹	172,440	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		86,220	86,220				172,440
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	86,220	86,220	-	-	-	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works & Water Resources		DIVISION: Water					
PROJECT NO: W1104	PROJECT TITLE: SWF Post Filter pH Adjustment				PROJECT LOCATION: South Well Field 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: The water at the South Well Field Treatment Plant needs to be treated with chemicals to raise the pH. Currently we use lime for this function and add it prior to the iron removal process in order to adjust the pH to a level within the optimal range where the treatment units operate most efficiently. However, this level is slightly lower than what is most desirable for finished water leaving the plant into the system from a corrosion control perspective. If we add more lime ahead of the filters to achieve the optimal finished water pH post filter we compromise the treatment process by leaving the optimal filter pH range. In addition to the above, the current lime slurry injection system is a maintenance burden, requiring constant maintenance, several times per day to prevent clogging at one of several locations in the system where clogs frequently occur. There is also not currently an acceptable injection point post-filter for lime addition due to the limited ability to get the lime mixed before the water enters our 500,000 gallon finished water tank where it most often settles on the bottom of the tank. This project would provide a review and selection of alternate pH adjustment chemicals and methods, and develop an efficient post filtration injection point to raise the pH without affecting the iron and manganese removal efficiency of the South Well Field Treatment Plant.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2011	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2016	Labor					
Est. Useful Life (in years)	25	Materials					
Est. Total Cost	140,000	Other Contracts	5295206.9760		\$	100,000	
Est. Spend @ 12/31 (if underway) ¹	40,000	Total Project Cost		\$		100,000	
Balance to be funded ¹	100,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	29%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		100,000					100,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL																																					
DEPARTMENT: Public Works & Water Resources		DIVISION: Water																																			
PROJECT NO: W0503	PROJECT TITLE: Well Restoration Program				PROJECT LOCATION: 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: Restore / Redevelop Wells 11, 12, 13, 14, 15, 16, 17, 20, 23 as needed in anticipation of routine maintenance and rehabilitation. <table border="1"> <thead> <tr> <th>Well</th> <th>Date of Last Rehabilitation</th> <th>Date of Planned Rehabilitation</th> </tr> </thead> <tbody> <tr> <td>11</td> <td>2016</td> <td>2021</td> </tr> <tr> <td>12</td> <td>Unknown</td> <td>May abandon</td> </tr> <tr> <td>13</td> <td>2014</td> <td>2019</td> </tr> <tr> <td>14R</td> <td>2012 (New)</td> <td>2021</td> </tr> <tr> <td>15</td> <td>2015</td> <td>2020</td> </tr> <tr> <td>16</td> <td>2005</td> <td>2022</td> </tr> <tr> <td>17</td> <td>2013</td> <td>2018</td> </tr> <tr> <td>20</td> <td>2002</td> <td>2018</td> </tr> <tr> <td>23</td> <td>Unknown</td> <td>2017</td> </tr> </tbody> </table>								Well	Date of Last Rehabilitation	Date of Planned Rehabilitation	11	2016	2021	12	Unknown	May abandon	13	2014	2019	14R	2012 (New)	2021	15	2015	2020	16	2005	2022	17	2013	2018	20	2002	2018	23	Unknown	2017
Well	Date of Last Rehabilitation	Date of Planned Rehabilitation																																			
11	2016	2021																																			
12	Unknown	May abandon																																			
13	2014	2019																																			
14R	2012 (New)	2021																																			
15	2015	2020																																			
16	2005	2022																																			
17	2013	2018																																			
20	2002	2018																																			
23	Unknown	2017																																			
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY																																		
First Year in Program	2005	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT																																
Est. Completion Date	Perpetual	Labor																																			
Est. Useful Life (in years)	5	Materials																																			
Est. Total Cost	172,000	Other Contracts	5295206.9760		\$ 172,000																																
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 172,000																																	
Balance to be funded ¹	172,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.																																			
% Complete (if underway)	0%																																				
PROJECT FINANCING BY PLAN YEAR																																					
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL																														
CURRENT RESOURCES		28,000	56,000	29,000	29,000	30,000	172,000																														
CAPITAL RESERVES							-																														
EQUIPMENT REPLACEMENT							-																														
BOND ISSUES							-																														
GRANTS (Specify)							-																														
OTHER (Specify)							-																														
OTHER (Specify)							-																														
TOTAL	-	28,000	56,000	29,000	29,000	30,000	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	2017	2018	2019	2020	2021	TOTAL																															
INCREMENTAL COSTS (NET SAVINGS)						-																															

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works & Water Resources		DIVISION: Water					
PROJECT NO: W0002	PROJECT TITLE: Alternative Disinfection Equipment				PROJECT LOCATION: Curtis Water 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: 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.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	700,000	Other Contracts	5295206.9740		\$	643,000	
Est. Spend @ 12/31 (if underway) ¹	57,000	Total Project Cost		\$		643,000	
Balance to be funded ¹	643,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	8%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		400,000					400,000
CAPITAL RESERVES		243,000					243,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	643,000	-	-	-	-	643,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W9302	PROJECT TITLE: Water SCADA				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: 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			PROJECT COST BY CATEGORY				
First Year in Program	1993	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2021	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	650,000	Other Contracts	5295206.9760		\$	650,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 650,000
Balance to be funded ¹	650,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			200,000	200,000	50,000	50,000	500,000
CAPITAL RESERVES		150,000					150,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	150,000	200,000	200,000	50,000	50,000	650,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	10,000	11,500	13,225	13,622	14,030	62,377	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W9308	PROJECT TITLE: 2017 Water Main Replacement Program				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:				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. 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. Flora Circle is the only known line to be replaced as of now as it was unable to be included in the 2016 project. In 2017 we are looking to perform a significant amount of lining to improve water quality. The unit cost for lining is much lower and will allow us to tackle persistent water quality problem areas where the main is otherwise structurally sufficient. 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.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	1993	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	75+	Materials					
Est. Total Cost	4,000,000	Other Contracts	5295206.9760		\$ 4,000,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 4,000,000			
Balance to be funded ¹	4,000,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		900,000	500,000	1,000,000	500,000	1,000,000	3,900,000
CAPITAL RESERVES		100,000					100,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	1,000,000	500,000	1,000,000	500,000	1,000,000	4,000,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water					
PROJECT NO: W8605	PROJECT TITLE: Water Tank Maintenance				PROJECT LOCATION: 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: In 2015 we repaired and painted the Paper Mill Road Concrete Tank and in 2015/2016 the Windy Hills Tank. The Louviers tank near Milford Crossroads on Thompson Station Road is scheduled for painting in summer/fall of 2016. Surface coatings generally last 15 years which means every tank in our system with the exception of the two we painted this year are either already overdue for painting or will come due within the next two years. 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) - \$300,000 each, need to be completed simultaneously because the treatment plant will have to 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 2019 - New London Tank (2,000,000 gallon ground tank) - \$500,000, last painted in 1997 2020 - Dallam Road Tank (565,000 gallon ground tank) - \$350,000, last painted in 2003 2020 - Nottingham Road Tank (220,000 gallon ground tank) - \$250,000, last painted in 2003 2021 - Arbour Park Tank (500,000 gallon ground tank) - \$350,000, last painted in 2003 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			PROJECT COST BY CATEGORY				
First Year in Program	1986	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	2,175,000	Other Contracts	5295206.9760		\$ 2,175,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 2,175,000			
Balance to be funded ¹	2,175,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		25,000	700,000	500,000	600,000	350,000	2,175,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	700,000	500,000	600,000	350,000	2,175,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Water/Sewer					
PROJECT NO: WEQSF	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: PLANNING ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT			
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	VARIOUS	Materials					
Est. Total Cost	507,000	Other Contracts	5295206.9623	\$	507,000		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$	507,000		
Balance to be funded ¹	507,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		190,000	12,000	20,000	210,000	75,000	507,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	190,000	12,000	20,000	210,000	75,000	507,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
WATER AND WASTEWATER UTILITIES**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
STAFF CARS													
215	2008 Ford Focus	02/26/08	11,281	29,875	60,000	8	2016	2019			20,000		
LINE TRUCKS													
202	2012 Ford F350	10/18/12	74,095	24,747	80,000	8	2020	2020				85,000	
207	2005 Int'l 7400 Dump Truck	08/05/05	95,845	30,828	36,000	8	2013	2017	165,000				
243	2006 Int'l 4300 Sewer Truck	a. 10/17/05	146,156	105,009	90,000	8	Project S1201						
PICK-UPS & VANS													
204	2002 Ford F350 Pickup	b. 05/17/02	21,904	97,537	85,000	10	2012	2016					
206	2014 Ford F-150 Pickup Truck	12/31/14	25,011	44,304	120,000	5	2020	2021					35,000
211	2009 Ford F250 Supercab	06/05/09	25,267	42,700	80,000	10	2019	2021					40,000
218	2003 Chevrolet S-10 4x4 Pick	05/23/04	16,088	79,720	100,000	10	2014	2017	25,000				
224	2012 Ford F250 Pickup Truck	10/25/12	37,999	20,725	80,000	10	2022	2022					
241	2015 Ford Transit Connect	12/31/14	21,491	13,626	100,000	10	2026	2026					
244	2003 Chevrolet Silverado Pick	b. 05/23/03	17,238	96,574	100,000	10	2013	2016					
299	2013 Ford F150 Pickup	06/28/13	19,541	22,041	100,000	10	2023	2023					
OTHER EQUIPMENT													
201	1994 Ingersoll Air Compressor	09/09/94	9,169	--	--	15	2009	2018		12,000			
220	2011 Case 590 SN Loader/Backhoe	10/14/11	117,701	--	--	9	2020	2020				125,000	
TOTAL WATER AND WASTE WATER UTILITY									\$190,000	\$12,000	\$20,000	\$210,000	\$75,000

a. This vehicle scheduled to be replaced in 2016 in the Sewer Division - See Project S1201.

b. This vehicle scheduled to be replaced in 2016.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
WATER FUND - STORMWATER DIVISION

			-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM						
			2016	RESERVES &	CURRENT	R E C O M M E N D E D F U N D I N G					
PROJECT #/PROJECT NAME/JUSTIFICATION CODE			BUDGET	OTHER FUNDING	FUNDING	2017	2018	2019	2020	2021	TOTAL
Q1701	Storm System Study and Repairs	A	\$0	\$0	\$0	\$0	\$420,000	\$441,000	\$463,050	\$486,203	\$1,810,253
Q1301	Storm Drainage Improvements	B	0	0	400,000	400,000	0	0	0	0	400,000
Q0101	NPDES Phase II Stormwater Quality	C	0	0	40,000	40,000	40,000	40,000	40,000	40,000	200,000
QEQSF	Vehicle Replacement Program	D	0	60,000	0	60,000	18,000	0	0	0	78,000
Total Water Fund-Stormwater Division			\$0	\$60,000	\$440,000	\$500,000	\$478,000	\$481,000	\$503,050	\$526,203	\$2,488,253
GROSS CAPITAL IMPROVEMENTS			\$0	\$60,000	\$440,000	\$500,000	\$478,000	\$481,000	\$503,050	\$526,203	\$2,488,253
LESS: USE OF RESERVES			0	0	0	0	0	0	0	0	0
VEHICLE/EQUIPMENT REPLACEMENT			0	(60,000)	0	(60,000)	(18,000)	0	0	0	(78,000)
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	\$440,000	\$440,000	\$460,000	\$481,000	\$503,050	\$526,203	\$2,410,253

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: Stormwater					
PROJECT NO: Q1701	PROJECT TITLE: Storm System Study and Repairs				PROJECT LOCATION: Citywide		
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 City has determined that the condition of the storm sewer and overall stormwater system citywide is in need of repairs to alleviate flooding and improve water quality. There are some problem areas that have been identified, however, a comprehensive review of all stormwater assets has not been completed. This project will begin the necessary studies and complete identified repairs in order to prioritize and fix the defects in the system. The project combines the study portion of the project with project H1301 - Storm Sewer Repairs from previous CIP.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	50+	Materials					
Est. Total Cost	1,810,253	Other Contracts	5595506.9760		\$ 1,810,253		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 1,810,253			
Balance to be funded ¹	1,810,253	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			420,000	441,000	463,050	486,203	1,810,253
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	420,000	441,000	463,050	486,203	1,810,253
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Stormwater					
PROJECT NO: Q1301	PROJECT TITLE: Storm Drainage Improvements				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: Based on the conditions noted on inspection of corrugated metal pipe (CMP), it is recommended that the city contract out the inspection of all CMP inventoried in 2011. Following the Jenny's Run Culvert #1 Removal project that was completed early in 2016 we have completed a detailed inventory of all corrugated metal pipes in the storm sewer system and updated our GIS Database. We are now working with our engineering consultant to perform detailed visual inspection and prioritization of as much of the known inventory as possible this year with the goal of developing a multi-year rehabilitation/replacement plan that will guide the order and magnitude of replacement efforts in the coming years. Additionally, we are piloting trenchless rehabilitation methods this year that we hope will reduce the long term rehab/replacement costs. During 2016 we have completed the initial investigation of the undersized Timberline Drive culvert and determined that there is not a cost effective way to increase the existing culvert enough to fix the current flooding. Because of this we are going to focus on identifying locations for emergency access roads that could be used during storms to get out of the isolated areas of the development. This project will be replaced after 2017 by Project Q1701.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	75+	Materials					
Est. Total Cost	400,000	Other Contracts	3063006.9720		\$	400,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		400,000	
Balance to be funded ¹	400,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		400,000					400,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	400,000	-	-	-	-	400,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Stormwater Management					
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. In 2014-2015 we received and implemented a surface water planning grant which included a BMP retrofit prioritization which will be used to guide future project selection. We chose not to complete a 2015 project due to uncertainty associated with impending changes to our permit which was provided in draft form for review in late 2015. We skipped 2016 funding with the intention of using prior funds in 2016 if and when we receive our final permit. We are planning on \$40,000 annually starting in 2017 which we will revise as necessary based on the prioritization developed through our planning grant once we know the scope of requirements included with the final MS4 permit. Depending on the type of facility constructed, ongoing maintenance will be required including mowing, invasive weed removal, inspections, etc. I have assumed \$5000 per year per facility in maintenance costs.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2001	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	200,000	Other Contracts	3063006.9720		\$	200,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 200,000
Balance to be funded ¹	200,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		40,000	40,000	40,000	40,000	40,000	200,000
CAPITAL RESERVES							-
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	5,000	10,000	15,000	20,000	25,000	75,000	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Stormwater					
PROJECT NO: QEVSF	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: PLANNING ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	VARIOUS	Materials					
Est. Total Cost	78,000	Other Contracts	5295206.9623		\$	78,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		78,000	
Balance to be funded ¹	78,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		60,000	18,000				78,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	60,000	18,000	-	-	-	78,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
STORMWATER UTILITY**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
212	2009 Ford Focus	04/03/09	13,489	57,474	80,000	8	2017	2018		18,000			
230	2003 Sterling SC8000 Sweeper	a. 01/09/04	99,130	52,432	60,000	8	2012	2016					
231	2008 Tennant ALTV 4300 Litter Vac	08/11/08	36,459	--	--	7	2015	2017	60,000				
250	2006 Int'l 4700 Catch Basin Clnr	a. 12/22/05	161,375	63,570	60,000	8	2013	2016					
504	2012 Ford Pickup Truck 4X4	09/21/12	26,245	33,392	110,000	10	2022	2022					
TOTAL STORMWATER DIVISION									\$60,000	\$18,000	\$0	\$0	\$0

a. This vehicle scheduled to be replaced in 2016.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
SEWER FUND

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
			BUDGET	RESERVES & OTHER FUNDING	CURRENT FUNDING	R E C O M M E N D E D F U N D I N G					
						2017	2018	2019	2020	2021	TOTAL
S1701	Twin Lakes Pump Station	C	\$0	\$0	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Q1702	Storm System Start Up Costs	D	0	250,000	0	250,000	0	0	0	0	250,000
S1601	Spare Sewer Pumps	A	60,000	0	0	0	0	0	0	0	0
S1602	Sewer SCADA	D	25,000	43,675	50,000	93,675	0	0	0	0	93,675
S1501	Sewer System Master Plan	A	250,000	0	20,000	20,000	0	0	0	0	20,000
S1201	Sewer Jet Truck 243 Replacement	D	300,000	0	0	0	0	0	0	0	0
S0904	Sanitary Sewer Study & Repairs	D	587,500	0	500,000	500,000	700,000	800,000	800,000	800,000	3,600,000
Total Sewer Fund			\$1,222,500	\$293,675	\$720,000	\$1,013,675	\$700,000	\$800,000	\$800,000	\$800,000	\$4,113,675
GROSS CAPITAL IMPROVEMENTS			\$1,222,500	\$293,675	\$720,000	\$1,013,675	\$700,000	\$800,000	\$800,000	\$800,000	\$4,113,675
LESS: USE OF RESERVES			(871,134)	(293,675)	0	(293,675)	0	0	0	0	(293,675)
VEHICLE/EQUIPMENT REPLACEMENT			0	0	0	0	0	0	0	0	0
GRANTS			(50,000)	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			\$301,366	\$0	\$720,000	\$720,000	\$700,000	\$800,000	\$800,000	\$800,000	\$3,820,000

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: Public Works and Water Resources		DIVISION: Sewer					
PROJECT NO: S1701	PROJECT TITLE: Twin Lakes Pumping Station				PROJECT LOCATION: Twin Lakes Subdivision		
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: Holding place for pump station.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	150,000	Other Contracts	5395306.9760		\$	150,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 150,000
Balance to be funded ¹	150,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works & Water Resources		DIVISION: Stormwater Division					
PROJECT NO: Q1702	PROJECT TITLE: Start Up Costs				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: Sustainable Community							
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: In order to complete the funding mechanisms and billing units for the stormwater utility to be enacted effective January 1, 2018, this project will facilitate the City to hire a consultant to set up the billing and utility rates during 2017. The fund anticipates collecting fees based on impervious cover beginning in 2018. This project will also cover the stormwater utility costs for development of the credit and appeals program, development of the stormwater billing section of the City's billing program, creation of stormwater accounts for all parcels in the City, and auditing parcel data as necessary. We expect to apply for a grant through the Surface Water Planning Grant program from DNREC. Grant will be \$50,000 if still available.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	250,000	Other Contracts	3063006.9622		\$	250,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 250,000
Balance to be funded ¹	250,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		250,000					250,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	250,000	-	-	-	-	250,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			300	300	300	900	

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.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	118,675	Other Contracts	5395306.9760		\$	93,675	
Est. Spend @ 12/31 (if underway) ¹	25,000	Total Project Cost				\$	93,675
Balance to be funded ¹	93,675	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	33%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		50,000					50,000
CAPITAL RESERVES		43,675					43,675
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	93,675	-	-	-	-	93,675
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	6,000	6,180	6,365	6,556	6,753	6,956	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: Sewer	
PROJECT NO: S1501	PROJECT TITLE: Sewer System Master Plan		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 continues the effort begun in 2015 to digitally map and model the sanitary sewer system. In 2015, we applied for and were awarded a grant from the Water Infrastructure Advisory Council (WIAC) to survey the sanitary sewer system and create a GIS database. Additionally, flow monitoring was completed in the Cool Run sewer basin, one of our two major sewer basins. In 2016, we applied for and were awarded an additional grant to perform sewer flow monitoring in the White Clay sewer basin. Combining this with the data collected in 2015, we will create a capacity model of the sanitary sewer system. This model will be used to identify areas of limited capacity for targeted replacement, capacity upgrades, and if necessary, temporary development restrictions. The City currently does not have a sanitary sewer model and instead relies on developers to analyze and confirm that adequate capacity exists in our system to accommodate their development. The problem with this method is that it applies an oversize burden on small developments since a very similar level of effort is required whether the project is large or small. We would propose eliminating this requirement of the developers and instead charge a capacity certification fee based on of the average daily flow generated by a development. This fee is similar to a fee charged by the regional wastewater treatment plant and would allow us to be equitably reimbursed by developers for the effort necessary to create and maintain an accurate capacity model while at the same time reducing the engineering cost of developing a plan in the City. Annual maintenance costs have been assumed at zero due to the expectation of the program to be self-funded through fees. 2017 funding is for development of the capital recovery fee structure.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	Perpetual	Labor	
Est. Useful Life (in years)	25+	Materials	
Est. Total Cost	570,000	Other Contracts	5395306.9760
Est. Spend @ 12/31 (if underway) ¹	550,000	Total Project Cost	\$ 20,000
Balance to be funded ¹	20,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	96%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES		20,000	
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify) WIAC			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)	-	-	-

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 2016 we began making 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 2017 we plan to continue targeted inspections based off of data derived from flow testing. We also plan to begin rehabilitation/replacement as determined by the prioritization and capacity model driven pipe diameter increases.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT			
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	50+	Materials					
Est. Total Cost	3,677,287	Other Contracts	5395306.9760	\$ 3,600,000			
Est. Spend @ 12/31 (if underway) ¹	77,287	Total Project Cost		\$ 3,600,000			
Balance to be funded ¹	3,600,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	2%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		500,000	700,000	800,000	800,000	800,000	3,600,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	500,000	700,000	800,000	800,000	800,000	3,600,000
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		2017	2018	2019	2020	2021	TOTAL
INCREMENTAL COSTS (NET SAVINGS)							-

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-GENERAL FUND

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM R E C O M M E N D E D F U N D I N G					
				RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	TOTAL
R1501	Automated Yard Waste Carts	D	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
REQSF	Vehicle Replacement Program	D	1,078,000	200,000	0	200,000	0	220,000	0	180,000	600,000
H1701	Annual Street Program	D	1,000,000	1,515,000	0	1,515,000	1,774,700	1,799,894	1,825,592	1,851,804	8,766,990
H1702	ADA Handicap Ramp Transition Plan	B	120,000	120,000	0	120,000	120,000	120,000	120,000	120,000	600,000
H1603	Pothole Patcher	A	70,000	0	0	0	0	0	0	0	0
H1503	Newark Transportation Plan Implementation	B	380,000	252,000	0	252,000	0	0	0	0	252,000
H1403	Pedestrian Crossing Signalization	B	100,000	110,000	0	110,000	0	0	0	0	110,000
H1301	Storm Drainage Improvements (to Stormwater)	C	231,922	0	0	0	0	0	0	0	0
H0206	Municipal Bldg Parking Lot Improvements	B	30,000	0	0	0	520,000	0	0	0	520,000
HEQSF	Vehicle Replacement Program	D	330,000	220,000	0	220,000	190,000	175,000	0	0	585,000
TEQSF	Vehicle Replacement Program	D	0	21,000	0	21,000	66,000	0	0	0	87,000
Total Public Works-General Fund			\$3,364,922	\$2,438,000	\$0	\$2,438,000	\$2,670,700	\$2,314,894	\$1,945,592	\$2,151,804	\$11,520,990
GROSS CAPITAL IMPROVEMENTS			\$3,364,922	\$2,438,000	\$0	\$2,438,000	\$2,670,700	\$2,314,894	\$1,945,592	\$2,151,804	\$11,520,990
LESS: USE OF RESERVES			(312,189)	(1,252,000)	0	(1,252,000)	0	0	0	0	(1,252,000)
VEHICLE/EQUIPMENT REPLACEMENT			(1,408,000)	(441,000)	0	(441,000)	(256,000)	(395,000)	0	(180,000)	(1,272,000)
GRANTS			(849,000)	(745,000)	0	(745,000)	(745,000)	(545,000)	(545,000)	(545,000)	(3,125,000)
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			\$795,733	\$0	\$0	\$0	\$1,669,700	\$1,374,894	\$1,400,592	\$1,426,804	\$5,871,990

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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	600,000	Other Contracts	3063026.9623		\$	600,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 600,000
Balance to be funded ¹	600,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		200,000		220,000		180,000	600,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	200,000	-	220,000	-	180,000	600,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, REFUSE DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
REFUSE COLLECTION													
409	2006 Int'l 7400 One-Man Packer	09/12/05	146,659	80,437	65,000	8	2013	Not to be replaced					
410	2015 Peterbuilt 320 Cabover Tractor	11/30/14	115,990	20,815	65,000	8	2023	2023					
411	2006 Int'l 7500 Refuse Truck	a. 03/29/06	151,458	93,431	65,000	8	2014	2016					
418	2008 Int'l 7400 Refuse Truck	07/29/08	117,075	57,463	65,000	8	2016	2017	200,000				
423	2009 Int'l 7400 Refuse Truck	06/11/09	151,775	65,681	85,000	8	2017	2019			220,000		
453	2006 Int'l 7400 Refuse Truck	a. 03/30/06	182,452	3,211	75,000	8	2014	2016					
454	2016 Freightliner M2 Class 8	01/07/16	235,157	8,540	65,000	8	2024	2024					
456	2016 Freightliner M2 Class 8	01/07/16	235,157	8,920	65,000	8	2024	2024					
SPECIAL COLLECTION													
440	2011 Freightliner Knuckleboom	06/17/11	116,148	30,431	100,000	10	2021	2021					180,000
441	1997 Int'l Knuckleboom	12/31/96	67,190	--									
TOTAL REFUSE DIVISION									\$200,000	\$0	\$220,000	\$0	\$180,000

a. This vehicle scheduled to be replaced in 2016.

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Street					
PROJECT NO: H1701	PROJECT TITLE: Annual Street Program				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:				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. This year we have 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%							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	8,766,990	Other Contracts	3063006.9760		\$ 8,766,990		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$ 8,766,990			
Balance to be funded ¹	8,766,990	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			1,259,700	1,284,894	1,310,592	1,336,804	5,191,990
CAPITAL RESERVES		1,000,000					1,000,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)		515,000	515,000	515,000	515,000	515,000	2,575,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	1,515,000	1,774,700	1,799,894	1,825,592	1,851,804	8,766,990
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Streets					
PROJECT NO: H1702	PROJECT TITLE: ADA Accessibility Transition Plan				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:				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			PROJECT COST BY CATEGORY				
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2024	Labor					
Est. Useful Life (in years)	20	Other Contracts	1191196.9621		\$ 150,000		
Est. Total Cost	1,920,000	Other Contracts	3063006.9760		\$ 450,000		
Est. Spend @ 12/31 (if underway) ¹	960,000	Total Project Cost		\$ 600,000			
Balance to be funded ¹	960,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	80%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			90,000	90,000	90,000	90,000	360,000
CAPITAL RESERVES		90,000					90,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) CDBG		30,000	30,000	30,000	30,000	30,000	150,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	120,000	120,000	120,000	120,000	120,000	600,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Streets					
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 2017. We have added \$20k in 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			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	252,000	Other Contracts	3063006.9760		\$	252,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		252,000	
Balance to be funded ¹	252,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		52,000					52,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DelDOT		200,000					200,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	252,000	-	-	-	-	252,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Streets					
PROJECT NO: H1403	PROJECT TITLE: Pedestrian Crossing Signalization				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:				Healthy & Active Community			
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: Pedestrian crossings on Delaware Avenue and East Main Street at the UD Green cause significant traffic delay during the school year due to the unsignalized nature of the crossings and the close proximity to intersections with South College Avenue. This project proposes, through a partnership with DelDOT, to design and install a pedestrian signal at each crossing which will be directly coordinated with the lights at South College. This crossing will stop pedestrians during green signal phases on Delaware Avenue and East Main Street and allow pedestrians to cross when South College Avenue has a green light. Both DelDOT and Newark Public Works feel these signals will significantly improve the flow of traffic during the school year while at the same time reducing the risk of pedestrian accidents. DelDOT will design and construct the signal with funding from the City. We will need to coordinate with UD on the design and construction scheduling. The East Main Street crossing is scheduled to be completed in summer 2016 at a cost of \$100,000 and the Delaware Avenue crossing will be constructed in the summer of 2017.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	210,000	Other Contracts	3063006.9770		\$	110,000	
Est. Spend @ 12/31 (if underway) ¹	100,000	Total Project Cost		\$		110,000	
Balance to be funded ¹	110,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		110,000					110,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	110,000	-	-	-	-	110,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	160	163	166	170	173	833	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Streets					
PROJECT NO: H0206	PROJECT TITLE: Municipal Building Parking Lot Improvements				PROJECT LOCATION: City Hall		
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 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. The project was modified this year to undertake an internal study of different design and construction options to ensure that the most cost effective and efficient lot configuration is done. In addition, we would like to evaluate the potential for adding solar panels over the spaces to offset the building's energy consumption and provide covered parking. Any green component of the project would be funded with State of Delaware green energy funding and we would encourage CAC participation in the project evaluation process. Construction is not anticipated until 2018.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2002	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	550,000	Other Contracts	3063006.9620		\$	520,000	
Est. Spend @ 12/31 (if underway) ¹	30,000	Total Project Cost		\$		520,000	
Balance to be funded ¹	520,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			320,000				320,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) GREEN ENERGY			200,000				200,000
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	520,000	-	-	-	520,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Streets					
PROJECT NO: HEQSF	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: PLANNING ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	VARIOUS	Materials					
Est. Total Cost	585,000	Other Contracts	3063026.9623		\$	585,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		585,000	
Balance to be funded ¹	585,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		220,000	190,000	175,000			585,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	220,000	190,000	175,000	-	-	585,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, STREET DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
515	FOREMAN'S TRUCK 2013 Ford F150 Pickup	06/28/13	19,994	34,567	95,000	10	2023	2023					
551	SIGNS & PAINTING 2012 Ford F450 Stake Truck	01/20/12	50,759	38,664	100,500	8	2020	2022					
522	DUMP TRUCKS 2015 Ford F-650	07/31/15	106,500	4,729	75,000	10	2025	2025					
523	2012 International 7400 SBA	a. 10/14/11	216,985	17,349	75,000	7	2018	2019			175,000		
528	2002 Int'l 4900 Dump Truck	d. 08/31/01	88,107	55,836	100,000	10	2011	2016					
542	2006 Ford SuperDuty F-350 Dump	08/18/06	32,046	65,390	85,000	10	2016	2017	55,000				
550	2004 Int'l 7400 Dump Truck	d. 11/21/03	95,845	57,128	75,000	10	2013	2016					
553	2013 Int'l 7400 Dump Truck/Swap Loader	b. 03/28/13	216,985	13,666	80,000	10	2023	2023					
554	2004 Int'l 7400 Dump Truck	11/21/03	95,845	59,300	60,000	10	2013	2017	165,000				
508	OTHER EQUIPMENT 2000 Tarco Windy 400 Vac Leaf Loader	c. 12/15/00	35,200	--	--								
509	2001 Tarco Windy 400 Vac Leaf Loader	c. 07/13/01	35,200	--	--								
510	2000 Tarco Windy 400 Vac Leaf Loader	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									\$220,000	\$190,000	\$175,000	\$0	\$0

- 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 2016.

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Engineering					
PROJECT NO: TEQSF	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: PLANNING ADVANCE FUNDING ACCUMULATED THROUGH DEPRECIATION TO REPLACE ESSENTIAL EQUIPMENT WHEN NECESSARY. SEE ATTACHED SCHEDULE.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	VARIOUS	Materials					
Est. Total Cost	87,000	Other Contracts	3063026.9623		\$	87,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		87,000	
Balance to be funded ¹	87,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		21,000	66,000				87,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	21,000	66,000	-	-	-	87,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, ENGINEERING DIVISION**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
STAFF CARS													
714	2015 Ford F-350 SD Pickup	11/30/14	30,978	5,487	85,000	10	2025	2025					
735	2002 Dodge Ram 1500 Pickup	04/26/02	13,543	82,363	80,000	10	2012	2018		21,000			
INSPECTORS													
700	2001 Jeep Cherokee 4X4	03/16/01	18,814	53,662	65,000	10	2011	2018		24,000			
711	2003 Dodge Ram 1500 Pickup	09/13/02	14,980	56,469	52,000	10	2012	2018		21,000			
748	2003 Chevrolet 1500 Pickup	06/06/03	12,488	56,921	60,000	10	2013	2017	21,000				
SURVEY VAN													
746	2013 Ford Van Transit Connect	08/30/13	21,806	9,116	99,000	10	2023	2023					
TOTAL ENGINEERING DIVISION									\$21,000	\$66,000	\$0	\$0	\$0

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT-MAINTENANCE FUND-FLEET MANAGEMENT

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
				RESERVES & OTHER FUNDING	CURRENT FUNDING	R E C O M M E N D E D F U N D I N G					
						2017	2018	2019	2020	2021	TOTAL
M1401	Truck Lift Systems Improvements	D	\$0	\$102,549	\$0	\$102,549	\$0	\$0	\$0	\$0	\$102,549
M1101	Maint Yard Master Plan/Salt Shed Replacement	D	350,000	250,000	0	250,000	0	0	0	0	250,000
MEQSF	Vehicle Replacement Program	D	0	0	0	0	40,000	0	0	0	40,000
Total Maintenance Fund-Fleet Management			\$350,000	\$352,549	\$0	\$352,549	\$40,000	\$0	\$0	\$0	\$392,549
GROSS CAPITAL IMPROVEMENTS			\$350,000	\$352,549	\$0	\$352,549	\$40,000	\$0	\$0	\$0	392,549
LESS: USE OF RESERVES			(221,647)	(352,549)	0	(352,549)	0	0	0	0	(352,549)
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	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES			0	0	0	0	0	0	0	0	0
NET CAPITAL IMPROVEMENTS			\$128,353	\$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: M1401	PROJECT TITLE: Wireless Six Column Heavy Truck Lift System				PROJECT LOCATION: 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. These lifts are the only equipment that we have to elevate the tandem axle equipment that we have in the fleet.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	165,000	Other Contracts	6006006.9622		\$	102,549	
Est. Spend @ 12/31 (if underway) ¹	62,451	Total Project Cost					\$ 102,549
Balance to be funded ¹	102,549	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		102,549					102,549
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	102,549	-	-	-	-	102,549
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Public Works and Water Resources		DIVISION: Maintenance					
PROJECT NO: M1101	PROJECT TITLE: Maint. Yard Master Plan and New Salt Shed				PROJECT LOCATION: Maintenance Yard		
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 old warehouse has a failing roof and is generally in very poor condition, including uninhabitable rooms and several failures of the fire protection system due to freezing and more recently, broken roof trusses that we are unable to fix based on the deterioration. Additionally, the warehouse is not designed in a way that provides an efficient use of very limited space at the maintenance yard. With the increasing size of certain vehicles in the City fleet and the recognition that vehicles and equipment kept out of the weather last longer, we feel that replacing the old warehouse with new open bay pole barns will result in a much better use of capital funds. In addition, our current salt shed is undersized to properly handle the annual deicing needs and expectations of a City the size of Newark, and it has experienced multiple wall failures which required repair to prevent condemnation due to the risk of structural failure. Due to NPDES requirements, we need to leave the salt under cover from rainfall at all times. We have settled on a location for the new salt shed that will allow us to retain use of all current buildings without interruption. Once the new salt shed is operational, the current salt shed area can be utilized as temporary storage of items in the old warehouse that require coverage while the old warehouse is demolished. This study began in 2015 but was placed on hold due to the refuse outsourcing investigation. We anticipate building the new salt shed in 2016 and beginning demolition of the old warehouse and construction of the new pole barn style sheds in 2017.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor	6006006.9620		\$	10,000	
Est. Useful Life (in years)	25+	Materials	6006006.9620		\$	20,000	
Est. Total Cost	550,000	Other Contracts	6006006.9620		\$	220,000	
Est. Spend @ 12/31 (if underway) ¹	300,000	Total Project Cost					\$ 250,000
Balance to be funded ¹	250,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		250,000					250,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	250,000	-	-	-	-	250,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Public Works and Water Resources		DIVISION: 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. See attached schedule.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	Ongoing	Labor	
Est. Useful Life (in years)	Various	Materials	
Est. Total Cost	40,000	Other Contracts	6006006.9623
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost	\$ 40,000
Balance to be funded ¹	40,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT		40,000	
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
MAINTENANCE FUND - FACILITIES MANGEMENT

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			-----2017-----			FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
			2016	RESERVES &	CURRENT	RECOMMENDED FUNDING					
			BUDGET	OTHER FUNDING	FUNDING	2017	2018	2019	2020	2021	TOTAL
N1701	Men's Locker Room Expansion	B	\$0	\$20,000	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
N1702	Council Chamber Renovations	D	0	0	0	0	93,500	0	0	0	93,500
N1703	Municipal Building Study	D	0	0	0	0	150,000	0	0	0	150,000
N1601	Municipal Building Improvements (B1601)	D	70,570	70,000	0	70,000	0	0	0	0	70,000
N1602	Holding Cells' Ceilings (B1602)	B	38,000	0	0	0	0	0	0	0	0
N1603	HVAC System Upgrades-GWC (B1603)	D	0	0	0	0	98,880	0	0	0	98,880
N1604	Garage Renovations (B1604)	D	16,695	0	0	0	43,000	0	0	0	43,000
N1501	Fire Alarm Panel Replacements (B1501)	B	35,250	0	0	0	0	0	0	0	0
NEQSF	Vehicle Replacement Program	D	0	0	0	0	25,000	0	0	0	25,000
Total Maintenance Fund-Facilities Management			<u>\$160,515</u>	<u>\$90,000</u>	<u>\$0</u>	<u>\$90,000</u>	<u>\$410,380</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$500,380</u>
GROSS CAPITAL IMPROVEMENTS			\$0	\$90,000	\$0	\$90,000	\$410,380	\$0	\$0	\$0	\$500,380
LESS: USE OF RESERVES			0	(90,000)	0	(90,000)	0	0	0	0	(90,000)
VEHICLE/EQUIPMENT REPLACEMENT			0	0	0	0	(25,000)	0	0	0	(25,000)
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			<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$385,380</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$385,380</u>

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 and Development		DIVISION: Facilities Management					
PROJECT NO: N1701	PROJECT TITLE: Mens Locker Room Expansion				PROJECT LOCATION: 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: 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 construction, flooring, lighting, lockers, and benches.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials	6006006.9621		\$	20,000	
Est. Total Cost	20,000	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 20,000
Balance to be funded ¹	20,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		496	496	496	496	1,984	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning & Development		DIVISION: Facilities Management					
PROJECT NO: N1702	PROJECT TITLE: Council Chamber Renovations				PROJECT LOCATION: Council Chamber - Municipal Building		
PROJECT STATUS (CHECK ONE): ☒ NEW ☐ IN PRIOR PROGRAM ☐ IN PROGRESS							
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: City staff has identified the need for renovations to the Council Chamber to make it more functional for Mayor and Council, City staff and visitors. The needed modifications to the Council Chamber include replacing the Formica dais to include electrical outlets, widening of the counter along the walkway to provide adequate seating for City staff at Council meetings, and the creation of an opening with stairs from the counter to allow City staff easy access to the floor and podium. This opening will also make the back fire exit more accessible. Costs: \$5,000 While the needed renovations mentioned above are being completed, this would also be an opportune time to make cosmetic changes to the Council Chamber as well. • Design & Construction of Additional Entrance/Exit \$45,000 • Paneling the front of the dais \$12,000 (includes \$5K for architectural design) • Painting of walls and railings \$500 • New seating for visitors \$10,000 • New tables for press & overflow staff \$1,000 • Bulletin board & Whiteboard \$500 • Additional steps on far end of dais \$3,000 • Repurpose Paintings \$4,500 • HVAC Unit \$12,000							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor	6006006.9620		\$	22,000	
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	93,500	Other Contracts	6006006.9620		\$	71,500	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 93,500
Balance to be funded ¹	93,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			93,500				93,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	93,500	-	-	-	93,500
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Facilities Management					
PROJECT NO: N1703	PROJECT TITLE: Municipal Building Space, Infrastructure and Expansion Study				PROJECT LOCATION: 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: Sustainable Community							
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: The Municipal Building was constructed in the 1970s. The growth of municipal services from the time of initial construction to the present has created the need for additional space and/or more efficient utilization of the current configuration. In addition, many of the mechanical systems are nearing or past their useful life, with full replacements or ongoing maintenance necessary for continued operations in the building. This project's scope would be for the City to hire a consultant to perform three tasks: 1. Examine all municipal functions for current space needs and future growth; 2. Examine all municipal building infrastructure/mechanical systems and provide cost estimates for upgrades to those systems and recommend time frames for replacements and/or upgrades; and 3. Provide renderings of potential expansion of the municipal building, with cost estimates. Funding of this project will help guide the City on future costs and allow for informed budgeting of future improvements.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	150,000	Other Contracts	6006006.9620		\$	150,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 150,000
Balance to be funded ¹	150,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Facilities Management					
PROJECT NO: N1601	PROJECT TITLE: Municipal Buildings Repairs				PROJECT LOCATION: City Hall		
PROJECT STATUS (SELECT FROM DROP DOWN): In Prior Program							
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 was funded over two CIPs. The hydraulic lift jack in the City Hall elevator and the reconstruction of the existing South Main Street entrance to City Hall with a new storefront should be completed in 2016. the balance of the project is as follows: The concrete deck above the generators in the police station has deteriorated. Water regularly migrates through the damaged concrete deck and is causing the supporting steel underneath to deteriorate. In fact, the concrete, in some places, is already non-existent due to rust. We have repaired the concrete many many times, but it is so damaged that the repairs do not last. We recommend replacing the concrete deck. This component of the project is expected to cost \$25,000 and is recommended in 2017. In addition to the concrete deck, the Department recommends that funds be set aside in 2017 dedicated to facilities maintenance to allow for emergency repairs/replacements. The Municipal building was constructed in the 1970s and the police station in the early 1990s. Infrastructure and mechanical systems are nearing or past their useful lives. Among projects of concern at this time are HVAC upgrades, electrical upgrades, new entrance doors and miscellaneous building improvements. We recommend that \$45,000 be allocated to address these concerns on an annual basis until such time as the study requested in N1703 can be accomplished.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
I	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	40	Materials					
Est. Total Cost	155,570	Other Contracts	3063006.9621		\$	70,000	
Est. Spend @ 12/31 (if underway) ¹	85,570	Total Project Cost		\$		70,000	
Balance to be funded ¹	70,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		70,000					70,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	70,000	-	-	-	-	70,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	1,020	1,020	1,020	1,020	1,020	5,100	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Facilities Management					
PROJECT NO: N1603	PROJECT TITLE: HVAC System Upgrades				PROJECT LOCATION: George Wilson Center		
PROJECT STATUS (SELECT FROM DROP DOWN):							
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.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor	3063006.9621		\$	2,500	
Est. Useful Life (in years)	20	Materials	3063006.9621		\$	1,500	
Est. Total Cost	98,880	Other Contracts	3063006.9621		\$	94,880	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 98,880
Balance to be funded ¹	98,880	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			98,880				98,880
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	98,880	-	-	-	98,880
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	TBD	TBD	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Facilities Management					
PROJECT NO: N1604	PROJECT TITLE: Garage Renovations			PROJECT LOCATION: Maintenance Yard			
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 City garage is in need of repairs due to age and wear and tear, as well as being ripe for energy efficiency improvements. A series of renovations were proposed in the 2016 CIP to address the need for building maintenance and energy improvements. Specifically, we recommended for building maintenance, the replacement of garage door openers with industrial duty jackshaft openers to improve operations at \$9,695; and the replacement of flooring in the hallway and bathroom areas of building #1, including a polyuria floor coating to improve durability at \$13,000. For energy efficiency, we also recommended the installation of a waste oil furnace (\$14,000) and holding tank (\$16,000) and the installation of ceiling fans to help push the hot air generated down from the high ceilings (\$7,000). The The garage doors and ceiling fans were installed this year and the remainder of the project (flooring and waste oil furnace and tank) is recommended for 2017. The ongoing OpEx relates to the operating and maintenance expenses of a waste oil furnace and is only a crude estimate. The additional cost would be offset by natural gas / heating cost savings, which is not yet factored into the operating impact.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	59,695	Other Contracts	6006006.9622		\$	43,000	
Est. Spend @ 12/31 (if underway) ¹	16,695	Total Project Cost		\$		43,000	
Balance to be funded ¹	43,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	28%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			43,000				43,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	43,000	-	-	-	43,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	1,000	1,000	1,000	1,000	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Facilities Management					
PROJECT NO: NEQSF	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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	25,000	Other Contracts	6006006.9623		\$	25,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 25,000
Balance to be funded ¹	25,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			25,000				25,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT, MAINTENANCE FUND**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
	MECHANICS												
650	2006 Ford F350 Pickup Truck	01/19/06	17,805	39,761	89,000	10	2016	2018		40,000			
652	2016 Ford F350 Super Duty Pickup	11/05/15	35,388	3,538	75,000	10	2026	2026					
TOTAL FLEET MANAGEMENT DIVISION									\$0	\$40,000	\$0	\$0	\$0
841	2004 Ford E250 Van	a. 07/08/04	14,196	56,707	64,000	12	2016	2018		25,000			
842	2016 Ford F250 4X4 Pickup	01/22/16	23,535	1,521	70,000	12	2028	2028					
TOTAL FACILITIES MANAGEMENT DIVISION									\$0	\$25,000	\$0	\$0	\$0
TOTAL MAINTENANCE FUND									\$0	\$65,000	\$0	\$0	\$0

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
POLICE DEPARTMENT-GENERAL FUND**

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM R E C O M M E N D E D F U N D I N G					
				RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	TOTAL
C1701	Vehicle 940 Addition to Fleet	B	\$0	\$20,000	\$0	\$20,000	\$0	\$0	\$0	\$0	\$20,000
C1702	NPD/UDPD 911 Center Co-location Study	B	0	25,000	0	25,000	0	0	0	0	25,000
C1601	Taser X26P Replacement	B	18,270	18,818	0	18,818	18,818	18,818	18,818	18,818	94,090
C1501	Leica Geosystems - Total Station	B	35,000	0	0	0	0	0	0	0	0
C1401	Ballistic Vests	B	26,195	6,000	0	6,000	3,090	18,037	15,302	36,032	78,461
CEQSF	Vehicle Replacement Program	B	176,500	312,000	0	312,000	184,000	395,000	30,000	96,000	1,017,000
Total Police Department			<u>\$255,965</u>	<u>\$381,818</u>	<u>\$0</u>	<u>\$381,818</u>	<u>\$205,908</u>	<u>\$431,855</u>	<u>\$64,120</u>	<u>\$150,850</u>	<u>\$1,234,551</u>
GROSS CAPITAL IMPROVEMENTS			\$255,965	\$381,818	\$0	\$381,818	\$205,908	\$431,855	\$64,120	\$150,850	1,234,551
LESS: USE OF RESERVES			0	(51,000)	0	(51,000)	0	0	0	0	(51,000)
VEHICLE/EQUIPMENT REPLACEMENT			(214,788)	(330,818)	0	(330,818)	(202,818)	(413,818)	(48,818)	(114,818)	(1,111,090)
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			<u>\$41,177</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$3,090</u>	<u>\$18,037</u>	<u>\$15,302</u>	<u>\$36,032</u>	<u>\$72,461</u>

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:					
PROJECT NO: C1701	PROJECT TITLE: Vehicle 940 Addition to Fleet				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: Vehicle 940 is a 14 year old Ford Crown Victoria with high mileage assigned to the Criminal Investigation Division and is in need of replacement. This vehicle was recently re-numbered due to an addition to the fleet in 2016. While the original vehicle was replaced in 2016, Vehicle 940 was retained as the department needed to add an additional vehicle due to a staffing increase. Vehicle will be replaced with a front wheel drive, Chevrolet Impala with improved fuel efficiency incurring less maintenance related costs.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	5	Materials					
Est. Total Cost	20,000	Other Contracts	3063006.9623		\$	20,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 20,000
Balance to be funded ¹	20,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Police		DIVISION:					
PROJECT NO: C1702	PROJECT TITLE: NPD/UDPD 911 Center Co-location Study				PROJECT LOCATION: Police Station		
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 City of Newark Police and the University of Delaware Police have expressed an interest in examining the feasibility, benefits, requirements, and the cost of co-locating their respective PSAPs and emergency communications centers. Currently, because of their proximity, and the relationship of the University with the business and commerce in the City, the two emergency communication organizations work closely together providing emergency communications and related services to their common constituencies. Recognizing this reality, the two entities envision potential benefits could be realized in providing and coordinating their public safety/emergency communications services and resources in a common location where their staff could work and communicate more closely together coordinating their activities and services. To examine this potential initiative in detail, each entity seek to contract with a highly qualified professional public safety communications consultant to identify and detail the potential benefits and challenges that may be inherent in co-locating their operations, technologies, staff, and services in a common facility. This study would identify all the requirements, interdependences, and activities that would needed to co-locate. The study would identify and assess facility availability and requirements for a co-location based on the suitability of potential locations identified by the City and the University to house critical public safety services, technology, and staff. It would identify how and which services and activities currently provided by the two Centers should be co-located providing appropriate options when they are identified. The consultant report would provide recommendations and a high-level master plan for the transition process identifying what must be done, by whom, an anticipated timeline and a schedule to complete a transition to conducting operations and providing current services in a shared facility. The report would also identify the cost and fiscal impact for the transition of operations and services to a co-located facility. A major underlying focus of the assessment will be to confirm how and if the transition to co-location of the City and University's PSAP and emergency communication activities and services can be made with no resulting negative impact on the general public, students and University staff, first responders and the staff of the respective communication centers.							
§ 806.1(3) SUMMARY OF PROJECT DATA				PROJECT COST BY CATEGORY			
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)		Materials	3063006.9621		\$ 25,000		
Est. Total Cost	25,000	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$		25,000	
Balance to be funded ¹	25,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		25,000					25,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		496	496	496	496	1,984	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Police		DIVISION:					
PROJECT NO: C1601	PROJECT TITLE: Taser X26P Replacement				PROJECT LOCATION: Police Station		
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 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 a period of 5 years. Our existing inventory of tasers are in need of replacement. A taser & holster costs a total of \$1,344 each in 2017. Our plan is to replace 14 tasers per year for the next five years at a cost of \$18,818 per year.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	5	Materials	3063026.9622		\$ 94,090		
Est. Total Cost	94,090	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 94,090			
Balance to be funded ¹	94,090	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		18,818	18,818	18,818	18,818	18,818	94,090
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	18,818	18,818	18,818	18,818	18,818	94,090
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Police		DIVISION:					
PROJECT NO: C1401	PROJECT TITLE: Ballistic Vests				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: The ballistic vests are necessary to ensure the safety of police officers. Ballistic vests have a five-year expiration date. 6 vests expire in 2017, 3 expire in 2018, 17 expire in 2019, 14 expire in 2020, 32 expire in 2021. The cost of each vest is \$1000 (2017) and assumed to increase by 3% per year.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	5	Materials	3063006.9622		\$ 78,461		
Est. Total Cost	78,461	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 78,461			
Balance to be funded ¹	78,461	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			3,090	18,037	15,302	36,032	72,461
CAPITAL RESERVES		6,000					6,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	6,000	3,090	18,037	15,302	36,032	78,461
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Police		DIVISION:					
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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	1,017,000	Other Contracts	3063026.9623		\$ 1,017,000		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost				\$ 1,017,000	
Balance to be funded ¹	1,017,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		312,000	184,000	395,000	30,000	96,000	1,017,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	312,000	184,000	395,000	30,000	96,000	1,017,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
POLICE DEPARTMENT PAGE 1 OF 2**

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
										2017	2018	2019	2020	2021
STAFF CARS														
921	2003 Ford Crown Victoria	a.	07/02/03	19,938	80,829	65,000	10	2016	2016					
924	2013 Chevy Caprice PPV Patrol		06/28/13	32,854	30,934	65,000	10	2022	2022					
927	2006 Ford Crown Victoria		08/11/06	23,093	65,340	75,000	10	2016	2018		30,000			
PATROL														
900	2105 Chevy Tahoe C1500		12/22/14	38,203	10,280	75,000	5	2021	2021					48,000
905	2014 Chevy Caprice PPV Patrol		04/03/14	28,485	25,118	75,000	5	2019	2019			30,000		
906	2105 Chevy Tahoe C1500		12/22/14	36,499	27,826	105,000	5	2021	2021					48,000
907	2013 Chevy Caprice PPV Patrol		06/28/13	33,392	50,946	75,000	5	2018	2019			30,000		
909	2014 Chevy Caprice PPV Patrol		09/30/14	30,670	35,590	120,000	5	2019	2019			30,000		
910	2012 Chevy Caprice PPV Patrol		07/26/12	34,910	73,584	110,000	5	2017	2019			30,000		
914	2015 Chevy Tahoe 4X4 PPV		08/03/15	31,840	12,265	85,000	7	2022	2022					
915	2012 Chevy Caprice PPV Patrol		08/02/12	34,882	72,206	110,000	5	2017	2019			30,000		
918	2010 Ford Crown Victoria		08/12/10	27,787	110,415	75,000	5	2015	2017	48,000				
923	2010 Ford Crown Victoria		08/12/10	28,151	108,317	75,000	5	2015	2017	48,000				
925	2010 Ford Crown Victoria		08/12/10	27,787	105,488	75,000	5	2015	2017	48,000				
926	2011 Ford Crown Victoria		07/29/11	29,584	100,811	75,000	5	2016	2019			30,000		
928	2010 Ford Crown Victoria		08/12/10	28,151	100,332	75,000	5	2015	2017	48,000				
929	2008 Ford Crown Victoria		05/28/08	21,001	76,274	100,000	5	2013	2018		30,000			
931	2015 Chevy Tahoe 4X4 PPV		09/22/15	33,834	8,184	75,000	7	2022	2022					
935	2012 Chevy Caprice PPV Patrol		07/26/12	34,846	77,850	75,000	5	2017	2019			30,000		
936	2011 Ford Crown Victoria		01/21/11	28,373	90,916	75,000	5	2016	2019			30,000		
937	2006 Ford E-350 Super Van		12/08/06	26,800	2,926	15,000	10	2016	2019			35,000		
941	2012 Chevy Caprice PPV Patrol		10/12/12	39,103	35,642	110,000	5	2017	2019			30,000		
991	2009 Ford F250 3/4 Ton Pickup		04/24/09	37,488	58,223	80,000	10	2019	2019			30,000		
994	2008 Ford Crown Victoria		05/09/08	24,420	78,461	75,000	5	2013	2018		30,000			
998	2008 Chev Mobile Command Center		07/31/09	197,920										

a. This vehicle will be retained for Criminal Division.

(Continued on next page)

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
POLICE DEPARTMENT PAGE 2 OF 2**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
CRIMINAL													
911	2012 Chevy Impala	06/08/12	21,534	30,196	65,000	7	2019	2019			30,000		
912	2010 Ford Crown Victoria	05/28/10	23,474	61,710	65,000	7	2017	2018		30,000			
913	2013 Chevrolet Impala	08/09/13	22,644	28,505	65,000	7	2020	2020				30,000	
920	2011 Ford Crown Victoria	07/22/11	24,414	33,497	75,000	7	2018	2019			30,000		
922	2003 Ford Crown Victoria	05/24/02	20,293	106,351	65,000	7	2009	2017	20,000				
932	2004 Ford 15 Passenger Van	03/19/04	19,307	14,710	75,000	10	2014	2018		24,000			
938	2005 Ford Excursion	01/28/08	N/A	30,265	N/A	N/A	N/A						
990	2004 Chevrolet Silverado	05/03/07	2,723	--	--	N/A	N/A						
TRAFFIC													
902	2005 Harley Davidson	b. 06/24/05	5,911	18,994	80,000	10	2015	2016					
903	2005 Harley Davidson	b. 06/24/05	5,911	13,815	80,000	10	2015	2016					
904	2005 Harley Davidson	b. 05/20/05	5,911	13,001	80,000	10	2015	2016					
908	2010 Chevrolet Tahoe K1500 LS	08/05/10	35,596	65,920	90,000	7	2017	2018		40,000			
917	2006 Dodge Charger	b. 10/13/06	23,470	90,233	75,000	7	2013	2016					
930	2008 Ford Crown Victoria	b. 08/13/08	21,985	131,939	80,000	7	2015	2016					
934	2006 Dodge Durango	03/02/06	21,545	83,817	75,000	8	2014	2017	48,000				
939	2008 Ford Crown Victoria	08/13/08	21,985	90,515	80,000	7	2015	2017	52,000				
TOTAL POLICE DEPARTMENT									\$312,000	\$184,000	\$395,000	\$30,000	\$96,000

b. This vehicle scheduled to be replaced in 2016.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
PARKS & RECREATION DEPARTMENT-GENERAL FUND

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			-----2017-----			FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
			2016 BUDGET	RESERVES & OTHER FUNDING	CURRENT FUNDING	RECOMMENDED FUNDING					TOTAL
						2017	2018	2019	2020	2021	
K1701	GWC Kitchen Rehabilitation	C	\$0	\$70,000	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000
K1702	Fence Repair and Construction	B	0	15,700	0	15,700	21,600	0	0	0	37,300
K1703	Redd Park Trail Connector	C	0	0	0	0	32,000	30,000	0	0	62,000
K1704	Picnic Shelter-Lumbrook Park	C	0	0	0	0	45,000	0	0	0	45,000
K1705	Preston's Playground Utility Lines	C	0	160,334	0	160,334	0	0	0	0	160,334
K1601	Bicycle/Pedestrian Bridge-Curtis Mill/Kershaw	B	200,000	200,000	0	200,000	1,550,000	0	0	0	1,750,000
K1602	Picnic Shelter-Folk Park	C	45,000	0	0	0	0	0	0	0	0
K1603	Wood/Brush Chipper	D	41,000	0	0	0	0	0	0	0	0
K1604	Pool Resurfacing	B	25,000	0	0	0	0	0	0	0	0
K1605	Redd Park Trail Improvements	C	20,000	0	0	0	0	0	0	0	0
K1501	Iron Glen Park Master Plan	C	0	0	0	0	50,000	0	0	0	50,000
K1502	Fitness Stations	C	20,000	0	0	0	20,000	0	0	0	20,000
K1301	Hard Surface Facility Improvements	B	31,500	194,000	0	194,000	135,000	640,000	175,000	250,000	1,394,000
K1303	Facilities Accessibility	C	40,000	0	0	0	45,000	85,000	0	0	130,000
K1305	Trail Improvements	C	0	0	0	0	186,500	0	0	0	186,500
K1202	Kershaw Park Lot Improvements	D	0	0	0	0	0	200,000	0	0	200,000
K1203	Old Paper Mill Park Improvements	C	0	0	0	0	600,000	1,200,000	0	0	1,800,000
K1005	Rittenhouse Footbridge Rehabilitation	B	35,000	0	0	0	0	0	0	0	0
K0908	Children's Play Equipment	C	60,000	0	0	0	40,000	60,000	30,000	0	130,000
KEQSF	Vehicle Replacement Program	D	30,000	32,000	0	32,000	240,000	90,000	0	28,000	390,000
Total Parks & Recreation Department			<u>\$547,500</u>	<u>\$672,034</u>	<u>\$0</u>	<u>\$672,034</u>	<u>\$2,965,100</u>	<u>\$2,305,000</u>	<u>\$205,000</u>	<u>\$278,000</u>	<u>\$6,425,134</u>
GROSS CAPITAL IMPROVEMENTS			\$547,500	\$672,034	\$0	\$672,034	\$2,965,100	\$2,305,000	\$205,000	\$278,000	\$6,425,134
LESS: USE OF RESERVES			(96,500)	(440,034)	0	(440,034)	0	0	0	0	(440,034)
VEHICLE/EQUIPMENT REPLACEMENT			(30,000)	(32,000)	0	(32,000)	(240,000)	(90,000)	0	(28,000)	(390,000)
GRANTS			(216,000)	(200,000)	0	(200,000)	(950,000)	0	0	0	(1,150,000)
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			<u>\$205,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,775,100</u>	<u>\$2,215,000</u>	<u>\$205,000</u>	<u>\$250,000</u>	<u>\$4,445,100</u>

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: K1701	PROJECT TITLE: George Wilson Center Kitchen Rehab				PROJECT LOCATION: George Wilson Community Center		
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: The department has been notified that the George Wilson Community Center kitchen does not meet the State of Delaware requirements to operate as a public kitchen. We are required to get up to code for the kitchen to be used by caterers or as a food prepping area. Some of the upgrades would include; adding two more sinks, putting up new fire retardant walls, installing commercial grade oven and microwave.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	70,000	Other Contracts	3063006.9621		\$	70,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 70,000
Balance to be funded ¹	70,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		70,000					70,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	70,000	-	-	-	-	70,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	300	300	300	300	300	1,500	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Parks and Recreation		DIVISION:					
PROJECT NO: K1702	PROJECT TITLE: Fence Repair and Construction				PROJECT LOCATION: Various Parks		
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: The fence lines in Handloff, Fairfield, Kells and George Wilson Parks are in need of repair. The fences are in poor condition and weathered creating a poor appearance in our parks as well as some safety concerns. At the George Wilson Center we would like to create a fence along the back of the property to prevent trespassing onto the adjoining property and the tee-ball field is in need of replacement. We have applied for CDBG funding for the George Wilson Center fencing as well.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	25	Materials					
Est. Total Cost	37,300	Other Contracts	3063006.9620		\$	37,300	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 37,300
Balance to be funded ¹	37,300	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			21,600				21,600
CAPITAL RESERVES		15,700					15,700
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	15,700	21,600	-	-	-	37,300
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Parks and Recreation		DIVISION:					
PROJECT NO: K1703	PROJECT TITLE: Redd Park Trail Connection				PROJECT LOCATION: Redd Park		
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: This project is for trail improvements to create a connection from Redd Park to Paper Mill Road, near the intersection of Paper Mill Road and Possum Park Road. The State of Delaware is developing the Tri-Valley Trail with a major trail head at the intersection. This would create a trail link that would connect the Tri-Valley Trail and White Clay Creek State Park into Redd Park. We will apply for grant funding to assist with funding this project. This project includes two fiberglass bridges to take bicyclist and walkers/runners safely across Jenney's Run.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	62,000	Other Contracts	3063006.9622		\$	62,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		62,000	
Balance to be funded ¹	62,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			32,000	30,000			62,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			300	300	300	900	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Parks and Recreation		DIVISION:					
PROJECT NO: K1704	PROJECT TITLE: Picnic Shelter				PROJECT LOCATION: Lumbrook Park		
PROJECT STATUS (SELECT FROM DROP DOWN):							
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: This project is for the replacement of the shelter and picnic tables at Lumbrook Park. The current shelter is over 35 years old and is leaking and in need of replacement.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	40	Materials					
Est. Total Cost	45,000	Other Contracts	3063006.9620		\$	45,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 45,000
Balance to be funded ¹	45,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			NA	NA	NA	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks & Recreation		DIVISION:	
PROJECT NO: K1705	PROJECT TITLE: Preston's Playground Utility Lines	PROJECT LOCATION: Preston's Playground at Reservoir	
PROJECT STATUS (CHECK ONE): ☒ NEW ☐ IN PRIOR PROGRAM ☐ IN PROGRESS			
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 scope of the Preston's Playground project at the Newark reservoir has been expanded to include a permanent restroom that will house two family restrooms. The cost of installation of water and sanitary sewer lines to the restroom will be \$160,334. Currently, there is a handicapped portable toilet unit at the reservoir; this will not be conducive when Preston's Playground is completed. The handicapped units have a smaller holding tank and get filled quicker than a regular unit. Children with special needs who will be utilizing the playground may need to have a family member assist them while using the restrooms. Portable toilets are not convenient for more than one individual at a time. The permanent unit will not only serve the Preston's Playground users but the reservoir users as well, making it more convenient for all park visitors. City Council approved including this in the 2017-2021 Capital Program by Resolution No. 16-J adopted May 9, 2016.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	50	Materials	
Est. Total Cost	160,334	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 160,334
Balance to be funded ¹	160,334	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES		160,334	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	160,334	-
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1601	PROJECT TITLE: Bicycle/Pedestrian Bridge	PROJECT LOCATION: 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 created for Curtis Mill Park, Kershaw Park parking lot improvements and Old Paper Mill Road Park for the 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 (this total includes the local match of 20%). The funds will be distributed to DELDOT. DELDOT and their consultant (Whitman Requardt) will do the permitting, surveying, construction contract preparation and project oversight. Newark will assume maintenance responsibilities once built. The project requires a 20% (\$200,000) local match. We have received approval from Delaware Land and Water Conservation Trust Fund (DTF) for a \$200,000 grant to fund the local match requirement. The project is now estimated at \$1,750,000, this is due to permitting and engineering requirements such as floodway widths, power lines and other environmental restraints. A single span prefabricated truss is the most feasible solution for the project with construction estimated to start in 2018 and be completed in 2019.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2019	Labor	
Est. Useful Life (in years)	30	Materials	
Est. Total Cost	1,750,000	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 1,750,000
Balance to be funded ¹	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.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			750,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify) DTF		200,000	
GRANTS (Specify) TAP			800,000
OTHER (Specify)			
TOTAL	-	200,000	1,550,000
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1501	PROJECT TITLE: Iron Glen Park Master Plan	PROJECT LOCATION: Iron Glen Park, Elkton Road	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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: In 1994 Newark acquired this 12.7 acre parcel. The purchase was partially funded by the Delaware Land and Water Conservation Trust Fund (DTF). A stipulation when using DTF funding is that when developed, the property must be utilized for public outdoor recreation. For the past 11 years the site has been used as one of the City's leaf and yard waste sites. That operation is being relocated to the former transfer station site. This project is to complete a Master Plan for the parkland.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	50	Materials	
Est. Total Cost	50,000	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 50,000
Balance to be funded ¹	50,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			50,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)		NA	NA

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, Folk & Karpinski	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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 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. Other trails where fitness stations will be added are located at Karpinski Park, Folk Park and Olan Thomas Park (Pomeroy Trail).			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2015	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	12	Materials	
Est. Total Cost	40,000	Other Contracts	3063006.9622
Est. Spend @ 12/31 (if underway) ¹	20,000	Total Project Cost	\$ 20,000
Balance to be funded ¹	20,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	50%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			20,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)	300	300	300

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: 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:

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. The attached document exhibits the most recent schedule of projects by CIP year.

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	ONGOING	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	20	Materials		
Est. Total Cost	1,504,000	Other Contracts	3063006.9620	\$ 1,394,000
Est. Spend @ 12/31 (if underway) ¹	110,000	Total Project Cost \$ 1,394,000		
Balance to be funded ¹	1,394,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	ONGOING			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			135,000	640,000	175,000	250,000	1,200,000
CAPITAL RESERVES		194,000					194,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	194,000	135,000	640,000	175,000	250,000	1,394,000

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	2017	2018	2019	2020	2021	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-

Parks and Recreation
Details for Capital Project No K1301- Hard Surface Facility Improvements
Revised September 30, 2016

2017

Phillips Parking Lot: expansion and asphalt overlay due to increased park use with the addition of the skateboarding facility	54,000
Phillips Basketball Court: asphalt overlay and re-line	20,000
Hill Parking Lot: asphalt overlay increase aisle from 18' to 24'	60,000
Wilson Center Parking Lot: asphalt overlay	<u>60,000</u>
	194,000

2018

Kells Parking Lot: asphalt overlay	45,000
Lewis Parking Lot: asphalt overlay	20,000
Fairfield Multi-Purpose Court	20,000
Kershaw Park overlay	<u>50,000</u>
	135,000

2019

Dickey Parking Lot: asphalt overlay	120,000
Handloff Parking Lot and Multi-Purpose: court asphalt overlay	210,000
Fairfield Crest and Lewis Tennis Courts (5): Crack repair with membrane system	55,000
Folk Trail: asphalt overlay	70,000
Wilson Center Basketball Court - sealed with latex sealer and re-stripped	5,000
Lumbrook Multi-Purpose Court and Parking Lot: asphalt overlay	60,000
Karpinski Trail: asphalt overlay	48,000

White Chapel Basketball Court: asphalt overlay	12,000
Fairfield Parking Lot: asphalt overlay	<u>60,000</u>
	640,000

2020

Fairfield and Fairfield Crest Tennis Courts: slip sheet of crushed stone, asphalt overlay, net, net parts and fencing	175,000
---	---------

2021

James F. Hall Trail: asphalt overlay	150,000
Dickey Park Multi-purpose Court	<u>100,000</u>
	250,000

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

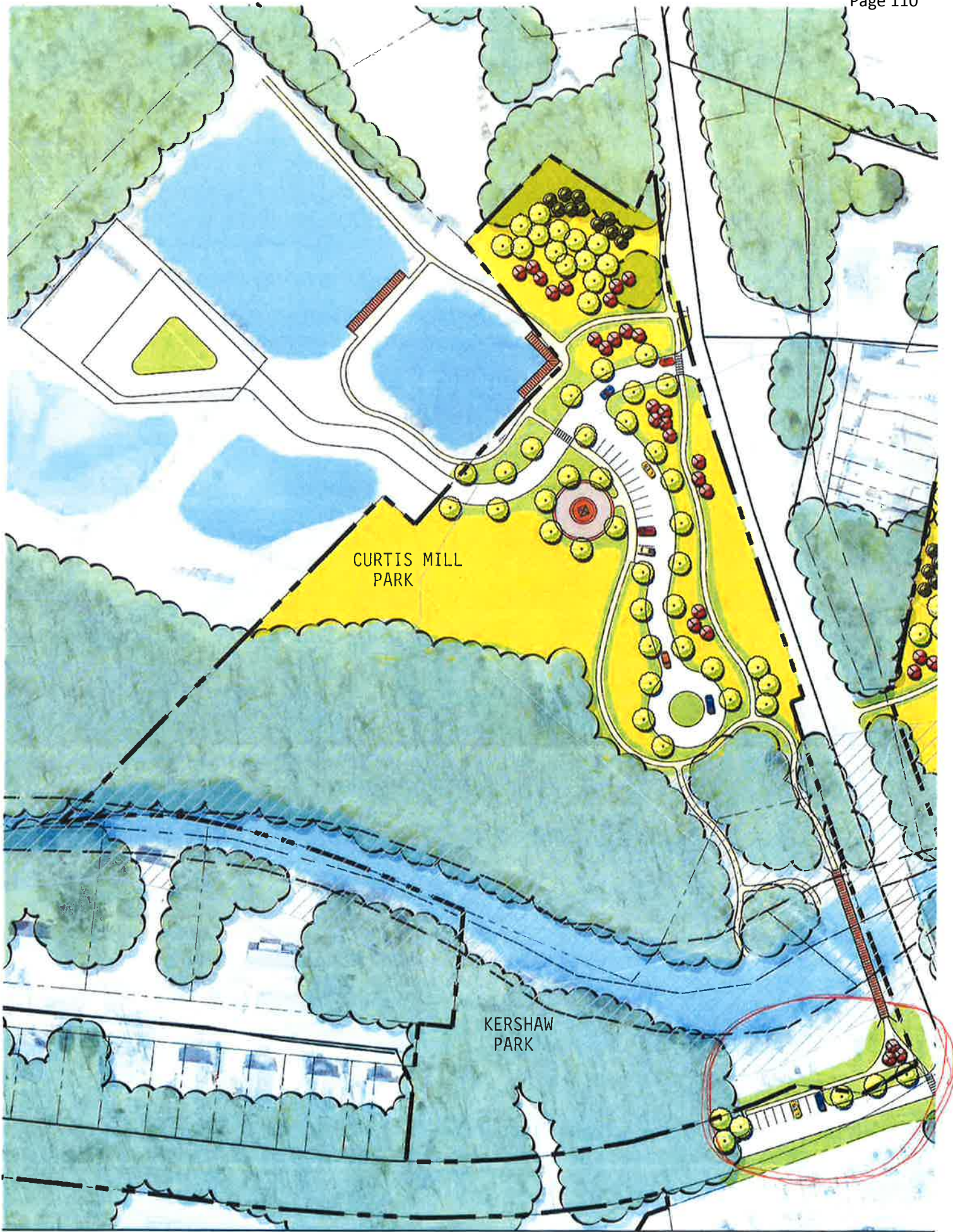
DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1303	PROJECT TITLE: Facilities Accessibility (ADA Compliance)	PROJECT LOCATION: Various	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 3 - Medium-High		The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Inclusive Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: This project is to allow for 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.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2019	Labor	
Est. Useful Life (in years)	20	Materials	
Est. Total Cost	160,000	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	30,000	Total Project Cost	\$ 130,000
Balance to be funded ¹	130,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	19%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			45,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1305	PROJECT TITLE: Trail Improvements	PROJECT LOCATION: Fairfield Crest to Creek Road	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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: This project is for 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 University of Delaware. The City will commit to making the improvements and long term maintenance of the road/trail. Note, this project has received very favorable support from the public and is an important connection to trails to the east and west. We will attempt to secure Delaware Transportation Fund or Recreation Trails Grant funding for this project, both require a 20% match. However, if grant funding is not obtained, we will get the design and engineering completed in 2017 at a cost of \$36,500 and construction in 2018 at a cost of \$150,000. This will enable us to apply for grant funding again in 2018.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2014	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	20	Materials	
Est. Total Cost	186,500	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 186,500
Balance to be funded ¹	186,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			36,500
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify) DTF			150,000
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	186,500
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			2,800
			2,800
			2,800
			8,400

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1202	PROJECT TITLE: Kershaw Park Parking Area Improvements	PROJECT LOCATION: Kershaw Park at Paper Mill Road	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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: This project is included in the 2011 Master Plan which was created for this site as well as Curtis Mill Park and Old Paper Mill Road Park. The Curtis Mill Park project was completed in 2015. Project scope: design and engineering, survey, permitting, construction contract preparation, construction, entrance improvements, construction management and landscaping.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2019	Labor	
Est. Useful Life (in years)	50	Materials	
Est. Total Cost	200,000	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 200,000
Balance to be funded ¹	200,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			200,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			3,000
			3,000
			6,000



CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K1203	PROJECT TITLE: Old Paper Mill Road Park Improvements	PROJECT LOCATION: Old Paper Mill Road Park	
PROJECT STATUS (SELECT FROM DROP DOWN):			
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: A Master Plan for this project was completed in 2011 for new park construction. Project scope: design and engineering, survey, permitting, construction contract preparation, construction management and park construction. We will attempt to secure grant funding.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2012	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2019	Labor	
Est. Useful Life (in years)	50	Materials	
Est. Total Cost	1,800,000	Other Contracts	3063006.9620
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 1,800,000
Balance to be funded ¹	1,800,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			600,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	600,000
			1,200,000
			-
			-
			1,800,000
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			
			18,000
			18,000



1 | CONCEPT MASTER PLAN

JUNE 2011

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Parks and Recreation		DIVISION:	
PROJECT NO: K0908	PROJECT TITLE: Children's Play Equipment		PROJECT LOCATION: 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:		Healthy & Active Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: Replace old and install new children's play equipment to comply with current ASTM and CPSC Standards. New standards are coming out in 2017.			

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2009	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	ONGOING	Labor		
Est. Useful Life (in years)	12	Materials		
Est. Total Cost	130,000	Other Contracts	3063006.9620	\$ 130,000
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost \$ 130,000		
Balance to be funded ¹	130,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			40,000	60,000	30,000		130,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	40,000	60,000	30,000	-	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	2017	2018	2019	2020	2021	TOTAL
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-

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 to replace vehicles and equipment when necessary. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Varies	Materials					
Est. Total Cost	390,000	Other Contracts	3063006.9623		\$	390,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 390,000
Balance to be funded ¹	390,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		32,000	240,000	90,000		28,000	390,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	32,000	240,000	90,000	-	28,000	390,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PARKS AND RECREATION DEPARTMENT**

VEH NUMB	DESCRIPTION	PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
									2017	2018	2019	2020	2021
STAFF CARS & TRUCKS													
1427	2012 Toyota Camry Hybrid	03/19/12	24,718	12,683	70,000	10	2022	2022					
1431	2006 Ford F-250 Pickup Truck	09/02/06	22,232	50,712	50,000	10	2016	2018		30,000			
1437	2016 Dodge Grand Caravan	10/30/15	23,223	2,199	70,000	10	2025	2025					
HORTICULTURE													
1401	2009 Ford Ranger	04/03/09	13,482	49,258	85,000	10	2019	2019			30,000		
1426	2012 Ford F350 Crew Cab	07/13/12	30,639	23,329	110,000	10	2022	2022					
1435	2006 Ford F250 3/4 Ton Pickup	05/05/06	18,467	60,580	55,000	10	2016	2018		30,000			
1440	2003 Chevrolet 1500 Pickup	a. 05/23/03	17,238	99,213	85,000	10	2013	2016					
PARK MAINTENANCE													
1430	2009 F350 1 Ton Pick-up	05/01/09	24,950	32,213	48,000	10	2019	2019			35,000		
1433	2016 Ford F-450 4X4 Swaploader	03/24/16	69,709	739	70,000	10	2026	2026					
1434	2003 Chevrolet 2500 Pickup	06/13/03	20,032	75,967	85,000	10	2013	2017	32,000				
1436	2014 Ford F-350 4X4 Pickup	11/14/13	28,819	16,858	85,000	10	2023	2023					
1439	2016 Ford F-350 4X4 Pickup	11/05/15	25,721	4,738	--	10	2026	2026					
OTHER													
1414	2004 Jacobsen 16" Cut Mower	01/01/04	58,795	--	--	10	2014	2018		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	2019			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 Loader	02/09/01	62,000	--	--	10	2011	2018		90,000			
1463	2012 Vanguard 31HP Tractor	06/29/12	55,661	--	--	20	2022	2022					
TOTAL PARKS AND RECREATION DEPARTMENT									\$32,000	\$240,000	\$90,000	\$0	\$28,000

a. This vehicle scheduled to be replaced in 2016.

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**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
PARKING FUND**

PROJECT #/PROJECT NAME/JUSTIFICATION CODE			2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM					
				RESERVES & OTHER FUNDING	CURRENT FUNDING	R E C O M M E N D E D F U N D I N G					
						2017	2018	2019	2020	2021	TOTAL
V1701	LPR's for Parking Ambassador Vehicles	A	\$0	\$47,850	\$0	\$47,850	\$0	\$0	\$0	\$0	\$47,850
V1702	Additional Parking Meters	A	0	54,240	0	54,240	0	0	0	0	54,240
V1703	Lot Full Signs	D	0	52,500	0	52,500	0	0	0	0	52,500
V1601	Parking Lot Surveillance Cameras	B	65,000	130,000	0	130,000	37,500	0	0	0	167,500
V1001	Parking Lot Surface Maintenance	D	26,250	0	0	0	505,850	32,600	0	105,000	643,450
VEQS	Vehicle Replacement Program	D	27,500	25,000	0	25,000	21,000	0	28,000	0	74,000
Total Parking Fund			\$274,078	\$309,590	\$0	\$309,590	\$564,350	\$32,600	\$28,000	\$105,000	\$1,039,540
GROSS CAPITAL IMPROVEMENTS			\$274,078	\$309,590	\$0	\$309,590	\$564,350	\$32,600	\$28,000	\$105,000	\$1,039,540
LESS: USE OF RESERVES			(181,578)	(284,590)	0	(284,590)	0	0	0	0	(284,590)
VEHICLE/EQUIPMENT REPLACEMENT			(27,500)	(25,000)	0	(25,000)	(21,000)	0	(28,000)	0	(74,000)
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			\$65,000	\$0	\$0	\$0	\$543,350	\$32,600	\$0	\$105,000	\$680,950

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 and Development		DIVISION: Parking					
PROJECT NO: V1701	PROJECT TITLE: LPRs for PA vehicles				PROJECT LOCATION: Citywide		
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☐ IN PROGRESS							
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 Parking Division, in addition to enforcement responsibilities, is slated to take over residential parking permit administration from the Newark Police Department in 2017 as part of the T2 (integrated parking system) capabilities. As the new T2 system will eventually allow us to be more efficient in residential parking permit administration by inputting license plate numbers of vehicles permitted to park in residential parking permit areas as opposed to issuing permit stickers for the vehicles, License Plate Recognition capabilities in at least one Parking Ambassador vehicle is recommended. An LPR will significantly reduce the abuse of the residential guest parking permit system, which has become apparent to the division since assuming parking enforcement responsibilities, and which has recently been a concern for residents and members of Council in some residential areas. The estimated cost is \$32,640 for hardware, with additional required subscriptions and services totalling \$15,210, for a grand total of \$47,850. The LPR, teamed with the T2 system, will also allow for license plate recognition of scofflaws, which are currently tracked by hand or if another violation is evident. With the LPR system, scofflaws will automatically come to the attention of Parking Ambassadors. Based on the University of Delaware's experience with LPRs, and on Parking Ambassadors' previous experience with using a NPD LPR to identify scofflaws, we expect the LPR to pay for itself within a short period of time.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials	5495406.9622		\$ 47,850		
Est. Total Cost	47,850	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		47,850	
Balance to be funded ¹	47,850	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		47,850					47,850
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	47,850	-	-	-	-	47,850
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)****ESTIMATE****		6,200	6,350	6,500	6,650	25,700	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Planning and Development		DIVISION: Parking	
PROJECT NO: V1702	PROJECT TITLE: Additional Parking Meters		PROJECT LOCATION: Citywide
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☐ IN PROGRESS			
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 Parking Division has researched additional parking meter location opportunities and indicates that there are locations where approximately 15 new meters can be installed. Estimated costs per meter are as follows: \$495 meter, \$295 per sensor and \$450 for the pole, meter housing and installation for a total of \$1,240 per meter. Therefore, the new meter request is for \$18,600. In addition, for the 457 meters currently in the system, only 250 of them have sensors. Based on experience with the sensors and utilization of meters, another 100 meters would benefit from having sensors. Therefore, we've added the purchase of 100 additional sensors at \$295 each, to this request to finish out the sensor project by placing them in high traffic areas where currently there are no sensors. The new sensors portion of the project will therefore be \$29,500. Finally, with the repaving of Main Street scheduled for summer 2017, sensors currently installed along the street will need to be removed and then reinstalled after the construction. Money for removal is allocated in the operating budget, but the sensors will need to be reinstalled by the vendor at \$41 each. There are 150 sensors affected for a cost of \$6,750. The new sensors and the reinstall will be coordinated so new sensors are installed only once, if located on Main Street. Total project costs = \$54,240.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	10	Materials	
Est. Total Cost	54,240	Other Contracts	5495406.9622
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 54,240
Balance to be funded ¹	54,240	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES		54,240	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	54,240	-
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)		1,000	1,000

**CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: Planning and Development		DIVISION: Parking					
PROJECT NO: V1703	PROJECT TITLE: Lot Full Signs				PROJECT LOCATION: Lots 3 & 4		
PROJECT STATUS (CHECK ONE): ☐ NEW ☐ IN PRIOR PROGRAM ☐ IN PROGRESS							
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: With the installation of ParkingSoft Fee collection equipment in parking lots comes the capability of getting an accurate count of vehicles in the lot (ins and outs) and therefore, the ability to recognize when the lot is full. Therefore, lot full signs are possible for Lots 3 and 4 (in addition to lot #1) and for efficiency and customer convenience would be beneficial to install. There are two options for lot full signs coordinated with ParkingSoft - those that will simply state that a lot is full, and those that will actually show the number of spaces available in the lot. These latter "count down" signs are a bit more expensive than the simple lot full version currently installed in lot #1, but the Division sees a benefit in investing in them as they will give more credence to the sign because the customer will recognize that the system is keeping accurate track of spaces in the lot (simple lot full signs are often ignored) and in addition, will make it possible to provide the space count information by lot for an eventual downtown parking smart phone or kiosk application to provide real time information about the location of available spaces in downtown lots. Therefore, our recommendation is to install count down signage at the entrances to all municipal pay to park lots (including Lot #1) at a cost of \$6,500 each for the signage, with an additional \$1,000 each for trenching and connections associated with the installation, for a total price of \$52,500. On the other hand, simple lot full signage for 5 entrances -- 3 entrances to Lot 3 and 2 entrances to Lot 4 -- is estimated at \$5,000 each with the trenching and connection pricing essentially the same, for a total price of \$30,000. These signs will signal when the lot is full, but will not indicate the number of spaces available.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	52,500	Other Contracts	5495406.9622		\$	52,500	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		52,500	
Balance to be funded ¹	52,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)		500	500	500	500	2,000	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Parking					
PROJECT NO: V1601	PROJECT TITLE: Parking Lot Surveillance Cameras				PROJECT LOCATION: City-Wide		
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 City of Newark parking lot surveillance system has not been refreshed in more than 10 years. The system is failing and does not provide adequate camera coverage for Lot #1, while no cameras are installed in any of the other lots. This project will be broken up into 3 phases covering 3 years and will include 27 cameras total. Phase I (2017): Lot 1 Hardware and Installation: \$35,000 / Software and Licensing: \$4,000 Phase II (2017): Lots 3 and 4 Hardware and Installation: \$82,500 / Software and Licensing: \$8,500 Phase III (2018): Lots 2 and 5 Hardware and Installation: \$32,500 / Software and Licensing: \$5,000 Each camera requires 1 ONSSI Ocularis License @ \$500/each Note: \$23,500 would be added to OpEx to perform maintenance on these cameras. Further note that the phasing and quotes reported in this description are exploratory and based on third party installation. If this project is approved, efforts will be made to acquire and install the equipment in the most efficient and cost effective manner, which is not expected to exceed \$130,000 in 2017.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	167,500	Other Contracts	5495406.9622		\$ 167,500		
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$ 167,500			
Balance to be funded ¹	167,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			37,500				37,500
CAPITAL RESERVES		130,000					130,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	130,000	37,500	-	-	-	167,500
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	23,500	23,500	23,500	23,500	23,500	117,500	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Parking					
PROJECT NO: V1001		PROJECT TITLE: Parking Lot Surface Maintenance			PROJECT LOCATION: Municipal Lots		
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: In 2010, based on cost estimates provided by PWWR, a program was established for municipal parking lot surface maintenance for each facility on a ten year cycle, subject to inspection. Each year the PWWR inspection determines the work we pursue, which often has pushed projects further out in the Capital Budget process, as lots were not in need of scheduled repairs. Therefore, when preparing the 2016 CIP submittal we had anticipated doing an abbreviated version of reconstruction (instead of full reconstruction) in Lot #4. Specifically, the repaving the Center Street entrance and the main drive aisle, which receives considerable wear and tear from trash trucks accessing the dumpsters, was recommended. However, with the Center Street sewer line project scheduled for this summer (2016) and the impact that will have on the entrance to Lot #4, and because the drive aisle is still in fairly good shape, PWWR recommends delaying the lot 4 work until 2018, and including additional sections of the lot, which are beginning to show wear and should be addressed as part of the 2018 streets contract. Based on the 10 year maintenance cycle and PWWR inspection, Lot #3 should also be partially repaved in 2018 (drive aisles, entrances/exits and specific lot sections), not including the new Center Street entrance/exit and immediate surrounding lot area. In addition, in the 2016 the installation of conduit to accommodate project V1201 (second parking level) was transferred into V1001 to be part of the lot #3 reconstruction project at \$328,110. Both Lot # 3 and #4 reconstruction projects should also include the trenching and the conduit to encase the communication lines for the ParkingSoft equipment, which were saw cut in order to avoid lot disruption during installation, and deferred until the lots are reconstructed, adding \$50,000 and \$15,000 respectively to reconstruction projects in Lots 3 and 4. Therefore, 2018 cost estimates are: for Lot # 4, Reconstruction - \$54,740 and \$15,000 for underground conduit for a total project of \$69,740; and Lot # 3 at \$58,000 for reconstruction and \$378,110 for conduit and communication line burial for a total Lot 4 project cost of \$436,850. The result is a 2018 parking lot surface maintenance request of \$505,850. The lot 3 and 4 projects will be scheduled so that they are not concurrent, but one completed, another begun; and scheduled for the summer months. Based on the 10 year cycle, the remaining lots are submitted as follows: 2019 - Lot #2 (although this date may also be flexible as Lot #2 received significant improvements in 2015 as part of V1501), and 2021 for Lot #1 (if a garage is not built there). Finally because we are unsure of the future of the Lot #1 garage project, depending on timing, these dates must remain flexible to allow for full use of all remaining municipal lots during Lot #1 construction.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2010	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2021+	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	615,340	Other Contracts	5495406.9620		\$		643,450
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost			\$		643,450
Balance to be funded ¹	615,340	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			505,850	32,600		105,000	643,450
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	505,850	32,600	-	105,000	643,450
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Parking					
PROJECT NO: VEQSF	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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	74,000	Other Contracts	3063026.9623		\$	74,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost		\$		74,000	
Balance to be funded ¹	74,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		25,000	21,000		28,000		74,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	25,000	21,000	-	28,000	-	74,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
PLANNING DEPARTMENT, PARKING DIVISION**

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
										2017	2018	2019	2020	2021
1100	2003 1500 Chev Pickup	a.	05/23/03	14,807	32,829	55,000	10	2013	2016					
1101	2015 Ford T-150 Transit Cargo Van		12/31/14	24,457	3,230	80,000	10	2026	2026					
1102	2000 Ford Crown Victoria		08/11/00	19,851	42,844	65,000	12	2012	2018		21,000			
1103	2011 Ford Ranger		03/09/12	21,178	63,387	80,000	8	2020	2020				28,000	
1104	2010 Dodge Ram 1500 Pickup		06/04/10	18,574	84,696	90,000	7	2017	2017	25,000				
TOTAL PARKING DIVISION										\$25,000	\$21,000	\$0	\$28,000	\$0

a. This vehicle scheduled to be replaced in 2016.

CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
ADMINISTRATIVE DEPARTMENT - INFORMATION TECHNOLOGY DIVISION

PROJECT #/PROJECT NAME/JUSTIFICATION CODE		2016 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
			RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	TOTAL
I1701	Vehicle Dash Cameras	B \$0	\$0	\$0	\$0	\$185,000	\$0	\$0	\$0	\$185,000
I1702	Property Management Software	D 0	317,500	0	317,500	0	0	0	0	317,500
I1703	Recreation Management Software	D 0	0	0	0	55,000	0	0	0	55,000
I1704	Water Plant and Reservoir Cameras	B 0	80,000	0	80,000	0	0	0	0	80,000
I1705	Server Storage Replacement	B 0	0	0	0	60,000	0	0	0	60,000
I1601	Virtualization Environment Host Replacement	B 0	0	0	0	0	0	75,000	0	75,000
I1602	Harris Utility Environment Upgrade	D 73,000	0	0	0	0	0	0	0	0
I1603	Surveillance Camera Refresh	B 0	65,000	0	65,000	65,000	65,000	0	0	195,000
I1604	City-Leased Fiber Network	B 100,000	100,000	0	100,000	0	0	0	0	100,000
I1606	Disaster Recovery and Planning	B 56,000	0	0	0	0	0	75,000	0	75,000
I1607	Rugged Tablets for Electric and PWWR	D 32,000	0	0	0	0	0	0	0	0
I1608	Digital Records Management	D 140,000	0	0	0	0	0	0	0	0
I1508	Gasboy Pump Station Replacement	D 25,000	0	0	0	0	0	0	0	0
Total Information Technology Division		<u>\$426,000</u>	<u>\$562,500</u>	<u>\$0</u>	<u>\$562,500</u>	<u>\$365,000</u>	<u>\$65,000</u>	<u>\$150,000</u>	<u>\$0</u>	<u>\$1,142,500</u>
GROSS CAPITAL IMPROVEMENTS		\$426,000	\$562,500	\$0	\$562,500	\$365,000	\$65,000	\$150,000	\$0	\$1,142,500
LESS: USE OF RESERVES		(240,000)	(562,500)	0	(562,500)	0	0	0	0	(562,500)
VEHICLE/EQUIPMENT REPLACEMENT		0	0	0	0	0	0	(117,000)	0	(117,000)
GRANTS		0	0	0	0	0	0	0	0	0
BOND ISSUES		0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET CAPITAL IMPROVEMENTS		<u>\$186,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$365,000</u>	<u>\$65,000</u>	<u>\$33,000</u>	<u>\$0</u>	<u>\$463,000</u>

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: I1701	PROJECT TITLE: Vehicle Dash Cameras	PROJECT LOCATION: City Hall (PD)	
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: IMPACTED DEPARTMENT/DIVISION: Newark Police Department Need to replace outdated, broken, and unsupported Dash Cameras in our Patrol Vehicles, there is a need to prepare for these likely expenses. Cost Breakdown: Server (60 TB of Video Storage), Network, Blu-Ray Backup, Charging Stations and Installation: \$40,000.00 25 x Dash Cameras, including installation and mounting equipment: \$145,000.00			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	5	Materials	
Est. Total Cost	185,000	Other Contracts	3063006.9622
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 185,000
Balance to be funded ¹	185,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			185,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	185,000
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: 11702	PROJECT TITLE: Property Management Software	PROJECT LOCATION: City Hall	
PROJECT STATUS (SELECT FROM DROP DOWN): New Project			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: Sustainable Community			
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: IMPACTED DEPARTMENT/DIVISION: Finance, Planning, Code Enforcement The City has a need to upgrade our existing Property Management Software (CityView). Property Information, Permits and Inspections, Planning, Code Enforcement, Business and Licensing, rental Housing, and Cashiering. A dedicated Project Manager has been retained to assist in completing this project successfully. Modules: Permits & Code Enforcement: \$52,400.00, Business Licenses: \$22,000.00, Tax Module: \$71,650.00, Cashiering: \$31,550.00, Forms Library: \$4,400.00 Project Management: 75,000.00 Field Tablets: \$30,000.00 Data Conversion (Vendor): \$10,500.00 (Code Enforcement, Permits and Taxes) Data Conversion (Manual): \$20,000.00 (Rental Licensing, Business Licensing, Contractor Licensing, Liens)			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2017	Labor	3063006.9622
Est. Useful Life (in years)	10	Materials	3063006.9622
Est. Total Cost	317,500	Other Contracts	3063006.9622
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 317,500
Balance to be funded ¹	317,500	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES		317,500	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	317,500	-
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Administration		DIVISION: Information Technology					
PROJECT NO: 11703	PROJECT TITLE: Recreation Management Software				PROJECT LOCATION: City Hall		
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: Healthy & Active Community							
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: IMPACTED DEPARTMENT/DIVISION: Parks and Recreation Department The Parks and Recreation Department has evaluated an upgrade to their current Recreation Management Software. Tyler Parks & Rec is a recreation management software solution that is designed to help you manage the daily operations and finances for parks and recreation programs. Parks & Rec provides administrators with the tools needed to manage details and operate more efficiently: - Online calendar simplifies facility reservations - Membership features support multiple fee structures - Facility rentals and other fees can be invoiced and automatically folded into the General Billing processes - Optional interface with Tyler Cashiering provides flexible point-of-sale fee processing - Access to real-time class registrations allows better resource planning and waiting list management - Ability to import spreadsheets of contact lists reduces data entry - SSRS reports make it easy to generate class lists, team rosters, instructor lists and more - Quote includes extra implementation time and project management							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	55,000	Other Contracts	3063006.9622		\$	55,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost					\$ 55,000
Balance to be funded ¹	55,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Administration		DIVISION: Information Technology					
PROJECT NO: 11704	PROJECT TITLE: Water Plant and Reservoir Cameras			PROJECT LOCATION: Water Plant / Reservoir			
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: IMPACTED DEPARTMENT/DIVISION: Public Works and Water Resources/Water Chubb Loss Control Recommendation Budgetary Proposal to install video surveillance at the City of Newark Reservoir to include (2) two 180-Degree Panoramic cameras and (3) three high megapixel fixed cameras with long range lenses. Budgetary Proposal to install video surveillance at the City of Newark Water Treatment Plant to include (1) one 180-Degree Panoramic camera and (5) five megapixel fixed cameras with long range lenses as needed on one camera location. Installation includes wireless equipment to eliminate free hanging cabling. Installation requires power to be provided at building and minimal cabling in attic space.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	80,000	Other Contracts	3063006.9622		\$	80,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		80,000	
Balance to be funded ¹	80,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			-				-
CAPITAL RESERVES		80,000					80,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)			300	300	300	900	

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Administration		DIVISION: Information Technology					
PROJECT NO: I1705	PROJECT TITLE: Server Storage Replacement				PROJECT LOCATION: City Hall		
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: IMPACTED DEPARTMENT/DIVISION: Administration/Information Technology In 2014, a Storage Area Network (SAN) was installed within the City's Data Center allowing for conversion of physical servers to virtual servers allowing for significant cost reduction and scalability improvements. In 2018, this storage is slated to be replaced. The storage is critical to our business needs including our utility billing operations.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	4	Materials					
Est. Total Cost	60,000	Other Contracts	3063006.9622		\$	60,000	
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		60,000	
Balance to be funded ¹	60,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			60,000				60,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	-	60,000	-	-	-	60,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

**CITY OF NEWARK, DELAWARE
CAPITAL BUDGET - PROJECT DETAIL**

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: I1601	PROJECT TITLE: Virtual Environment Host Replacement		PROJECT LOCATION: 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:		Healthy & Active Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION: IMPACTED DEPARTMENT/DIVISION: Administration/Information Technology Replace existing virtualization infrastructure hosts (servers) every 4 years.			

§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY		
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	2020	Labor		
Est. Useful Life (in years)	4	Materials	3063006.9622	\$ 75,000
Est. Total Cost	75,000	Other Contracts		
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost \$ 75,000		
Balance to be funded ¹	75,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	0%			

PROJECT FINANCING BY PLAN YEAR

§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES					8,000		8,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT					67,000		67,000
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	2017	2018	2019	2020	2021	TOTAL
INCREMENTAL COSTS (NET SAVINGS)						

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: I1603	PROJECT TITLE: Surveillance Camera Refresh	PROJECT LOCATION: City-Wide	
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:		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 3 years to ensure optimum functionality and savings on repair. 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		PROJECT COST BY CATEGORY	
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2019	Labor	
Est. Useful Life (in years)	10	Materials	
Est. Total Cost	195,000	Other Contracts	3063006.9622
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost	\$ 195,000
Balance to be funded ¹	195,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			65,000
CAPITAL RESERVES		65,000	
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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE

CAPITAL BUDGET - PROJECT DETAIL

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: I1604	PROJECT TITLE: Fiber Network	PROJECT LOCATION: 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: This project is a continuation of the City of Newark Fiber Project for IT. This project will include time and material for installing the fiber network and associated cameras as approved by City Council on 9/12/2016 and RFP 16-04.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	10	Materials	
Est. Total Cost	304,000	Other Contracts	3063006.9622
Est. Spend @ 12/31 (if underway) ¹	204,000	Total Project Cost	\$ 100,000
Balance to be funded ¹	100,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)	0%		
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES		100,000	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Administration		DIVISION: Information Technology					
PROJECT NO: 11606	PROJECT TITLE: Disaster Recovery and Planning				PROJECT LOCATION: Municipal and Parking Offices		
PROJECT STATUS (SELECT FROM DROP DOWN):					In Prior Program		
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: IMPACTED DEPARTMENT/DIVISION: Administration/Information Technology Division The City of Newark IT Department is recommending the implementation of a "Hot Site" for disaster planning purposes. The plan would be to transition older equipment to the Parking Office to be used for resiliency and failover if a situation arises that renders the Municipal Buildings' network infrastructure offline without ability to revive (Fiber Outage, Power Outage, Disaster). This would allow the IT Department to bring critical City services online from a secondary location very quickly to ensure these services are available to the public and to our emergency operations team. Includes: Secure 4 post server/network rack with built in cooling - TBD Network Switch - TBD Storage Area Network (SAN) - TBD Uninterruptable Power Supply (UPS) - TBD *This proposal depends on the planned fiber connection between Municipal and Parking Offices, which would render the Parking Offices the most appropriate location for redundancy / failover.							
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY					
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	2020	Labor					
Est. Useful Life (in years)	4	Materials	3063006.9622		\$	75,000	
Est. Total Cost	75,000	Other Contracts					
Est. Spend @ 12/31 (if underway) ¹	-	Total Project Cost		\$		75,000	
Balance to be funded ¹	75,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	0%						
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES					25,000		25,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT					50,000		50,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							

**CITY OF NEWARK, DELAWARE
CAPITAL IMPROVEMENTS PROGRAM 2017-2021
OTHER DEPARTMENTS-GENERAL FUND**

			-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM						
			2016	RESERVES &	CURRENT	R E C O M M E N D E D F U N D I N G					
PROJECT #/PROJECT NAME/JUSTIFICATION CODE			BUDGET	OTHER FUNDING	FUNDING	2017	2018	2019	2020	2021	TOTAL
A1601	Building Demolition	D	\$22,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AEQSF	Vehicle Replacement Program	D	0	0	0	0	25,000	0	17,000	0	42,000
BEQSF	Vehicle Replacement Program	D	0	50,000	0	50,000	97,000	25,000	0	25,000	197,000
Total Other Departments			\$22,000	\$50,000	\$0	\$50,000	\$122,000	\$25,000	\$17,000	\$25,000	\$239,000
GROSS CAPITAL IMPROVEMENTS			\$182,515	\$50,000	\$0	\$50,000	\$122,000	\$25,000	\$17,000	\$25,000	\$239,000
LESS: USE OF RESERVES			(92,630)	0	0	0	0	0	0	0	0
VEHICLE/EQUIPMENT REPLACEMENT			0	(50,000)	0	(50,000)	(122,000)	(25,000)	(17,000)	(25,000)	(239,000)
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			\$89,885	\$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: Administration		DIVISION: Administration	
PROJECT NO: AEQSF	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. See attached schedule.			
§ 806.1(3) SUMMARY OF PROJECT DATA		PROJECT COST BY CATEGORY	
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	Ongoing	Labor	
Est. Useful Life (in years)	Various	Materials	
Est. Total Cost	42,000	Other Contracts	3063026.9623
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost	\$ 42,000
Balance to be funded ¹	42,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
PROJECT FINANCING BY PLAN YEAR			
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018
CURRENT RESOURCES			
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			25,000
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
TOTAL	-	-	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	2017	2018	2019
INCREMENTAL COSTS (NET SAVINGS)			

CITY OF NEWARK, DELAWARE CAPITAL BUDGET - PROJECT DETAIL							
DEPARTMENT: Planning and Development		DIVISION: Code Enforcement					
PROJECT NO: BEQSF	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. See attached schedule.							
§ 806.1(3) SUMMARY OF PROJECT DATA			PROJECT COST BY CATEGORY				
First Year in Program	Ongoing	CLASSIFICATION	ACCOUNT NUMBERS		AMOUNT		
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	Various	Materials					
Est. Total Cost	197,000	Other Contracts	3063026.9623		\$	197,000	
Est. Spend @ 12/31 (if underway) ¹		Total Project Cost					\$ 197,000
Balance to be funded ¹	197,000	¹ For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR ²	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT		50,000	97,000	25,000		25,000	197,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
TOTAL	-	50,000	97,000	25,000	-	25,000	197,000
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	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)						-	

**CITY OF NEWARK, DELAWARE
VEHICLE REPLACEMENT PROGRAM SCHEDULE 2017-2021
OTHER DEPARTMENTS**

VEH NUMB	DESCRIPTION		PURCHASE DATE	PURCHASE PRICE	MILEAGE AS OF 08/31/16	EST MILEAGE AT REPL	NORMAL YEARS LIFE	NORMAL REPL YEAR	BUDGET REPL YEAR	REPLACEMENT COSTS				
										2017	2018	2019	2020	2021
CODE ENFORCEMENT DIVISION:														
803	2007 Dodge Durango		02/09/07	20,545	31,923	70,000	9	2016	2018		25,000			
804	2005 Dodge Neon Sedan		05/12/05	10,043	57,041	70,000	12	2017	2019			25,000		
827	2008 Ford Focus Sedan	b.	06/06/08	11,281	60,900	60,000	9	2017	2018		20,000			
836	2002 Jeep Liberty		04/26/02	18,541	82,782	75,000	12	2014	2018		27,000			
837	2000 Jeep Cherokee		05/26/00	18,814	86,385	70,000	12	2012	2017	25,000				
838	2009 Ford Focus		04/03/09	12,369	24,299	75,000	12	2021	2021					25,000
839	2001 Jeep Cherokee		02/09/01	18,814	54,468	65,000	12	2013	2017	25,000				
840	2001 Jeep Cherokee		02/09/01	18,814	40,168	65,000	12	2013	2018		25,000			
TOTAL CODE ENFORCEMENT DIVISION										\$50,000	\$97,000	\$25,000	\$0	\$25,000
ADMINISTRATIVE DEPARTMENT:														
1201	2004 Chevy Cavalier	c.	04/23/04	9,962	60,900	75,000	12	2016	2020				17,000	
1202	2001 Chevy Cavalier	d.	02/09/01	11,397	97,088	60,000	12	2013	2018		25,000			
TOTAL ADMINISTRATIVE DEPARTMENT										\$0	\$25,000	\$0	\$17,000	\$0
FINANCE DEPARTMENT:														
1056	2009 Ford Focus		04/03/09	12,369	46,314	75,000	12	2021	2022					
TOTAL FINANCE DEPARTMENT										\$0	\$0	\$0	\$0	\$0
TOTAL OTHER DEPARTMENTS										\$50,000	\$122,000	\$25,000	\$17,000	\$25,000
a. Vehicle was number 1417 in Parks & Recreation Department														
b. Vehicle was number 1017 in Finance Department														
c. Vehicle was number 827 in Code Enforcement Division														
d. Vehicle was number 1018 in Finance Department														