



**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

*Maureen*

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

REVISED 11/08/2016

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

	AMENDED BUDGET 2016	-----2017-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	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	1,645,880	1,913,000	3,558,880	3,339,720	2,895,000	3,772,050	2,321,203	15,886,853
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>\$ 6,839,546</u>	<u>\$ 4,355,000</u>	<u>\$ 11,194,546</u>	<u>\$ 11,863,158</u>	<u>\$ 9,579,849</u>	<u>\$ 8,058,762</u>	<u>\$ 6,706,857</u>	<u>\$ 47,403,172</u>
<u>PLANNED FINANCING SOURCES</u>									
GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 6,839,546	\$ 4,355,000	\$ 11,194,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,403,172
LESS: USE OF RESERVES	(3,373,283)	(4,722,228)	-	(4,722,228)	(241,720)	-	(25,000)	-	(4,988,948)
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-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	
<b>COMMUNITY DEVELOPMENT FUND:</b>									
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>
<b>LAW ENFORCEMENT FUND:</b>									
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>
<b>PARKS SPECIAL REVENUE FUND:</b>									
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>
<b>CAPITAL PROJECTS FUND:</b>									
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>

REVISED 11/08/2016

**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-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	
<b>ELECTRIC UTILITY FUND:</b>									
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)	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 1,403,000</b>	<b>\$ -</b>	<b>\$ 1,722,000</b>	<b>\$ 1,722,000</b>	<b>\$ 209,500</b>	<b>\$ 125,000</b>	<b>\$ 775,000</b>	<b>\$ 875,000</b>	<b>\$ 3,706,500</b>
<b>WATER UTILITY FUND:</b>									
GROSS CAPITAL IMPROVEMENTS	\$ 3,676,552	\$ 1,645,880	\$ 1,913,000	\$ 3,558,880	\$ 3,339,720	\$ 2,895,000	\$ 3,772,050	\$ 2,321,203	\$ 15,886,853
LESS: USE OF RESERVES	(1,265,945)	(1,395,880)	-	(1,395,880)	(126,220)	-	(25,000)	-	(1,547,100)
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)	-	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 2,135,607</b>	<b>\$ -</b>	<b>\$ 1,913,000</b>	<b>\$ 1,913,000</b>	<b>\$ 3,183,500</b>	<b>\$ 2,875,000</b>	<b>\$ 3,537,050</b>	<b>\$ 2,246,203</b>	<b>\$ 13,754,753</b>
<b>SEWER UTILITY FUND:</b>									
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	-	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 301,366</b>	<b>\$ -</b>	<b>\$ 720,000</b>	<b>\$ 720,000</b>	<b>\$ 700,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 3,820,000</b>
<b>PARKING FUND:</b>									
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	-	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 65,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 543,350</b>	<b>\$ 32,600</b>	<b>\$ -</b>	<b>\$ 105,000</b>	<b>\$ 680,950</b>

REVISED 11/08/2016

**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-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	
<b>MAINTENANCE FUND:</b>									
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	-	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 128,353</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 385,380</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 385,380</b>

**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-----		PROPOSED BUDGETS					TOTAL PROPOSED AMOUNTS
		RESERVES & OTHER FUNDING	CURRENT FUNDING	2017	2018	2019	2020	2021	
<b>TOTAL CAPITAL IMPROVEMENTS:</b>									
GROSS CAPITAL IMPROVEMENTS	\$ 12,614,451	\$ 6,869,546	\$ 4,355,000	\$ 11,194,546	\$ 11,863,158	\$ 9,579,849	\$ 8,058,762	\$ 6,706,857	\$ 47,403,172
LESS: USE OF RESERVES	(3,373,283)	(4,722,228)	-	(4,722,228)	(241,720)	-	(25,000)	-	(4,988,948)
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)	-	-	-	-	-	-	-	-
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$ 5,351,121</b>	<b>\$ -</b>	<b>\$ 4,355,000</b>	<b>\$ 4,355,000</b>	<b>\$ 8,834,620</b>	<b>\$ 7,505,531</b>	<b>\$ 6,765,944</b>	<b>\$ 5,739,039</b>	<b>\$ 33,200,134</b>

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

REVISED 11/08/2016

**TOTAL PROJECT COSTS**

<u>DEPARTMENT/DIVISION</u>	COMMUNITY DEVELOPMENT FUND	CAPITAL PROJECTS FUND	ELECTRIC FUND	WATER FUND	SEWER FUND	PARKING FUND	MAINTENANCE FUND	TOTAL
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	-	-	-	3,058,880	-	-	-	3,058,880
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>\$ 3,558,880</u>	<u>\$ 1,013,675</u>	<u>\$ 309,590</u>	<u>\$ 442,549</u>	<u>\$ 11,194,546</u>
 <b><u>PLANNED FINANCING SOURCES</u></b>								
GROSS CAPITAL IMPROVEMENTS	\$ 30,000	\$ 4,074,352	\$ 1,765,500	\$ 3,558,880	\$ 1,013,675	\$ 309,590	\$ 442,549	\$ 11,194,546
LESS: USE OF RESERVES	-	(2,305,534)	-	(1,395,880)	(293,675)	(284,590)	(442,549)	(4,722,228)
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 RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	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
<b>Total Electric Fund</b>	<b>\$2,314,419</b>	<b>\$43,500</b>	<b>\$1,722,000</b>	<b>\$1,765,500</b>	<b>\$480,000</b>	<b>\$710,500</b>	<b>\$1,077,000</b>	<b>\$875,000</b>	<b>\$4,908,000</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$2,314,419</b>	<b>\$43,500</b>	<b>\$1,722,000</b>	<b>\$1,765,500</b>	<b>\$480,000</b>	<b>\$710,500</b>	<b>\$1,077,000</b>	<b>\$875,000</b>	<b>\$4,908,000</b>
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
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$1,403,000</b>	<b>\$0</b>	<b>\$1,722,000</b>	<b>\$1,722,000</b>	<b>\$209,500</b>	<b>\$125,000</b>	<b>\$775,000</b>	<b>\$875,000</b>	<b>\$3,706,500</b>

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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E1701</b>	PROJECT TITLE: <b>New Lines and Services</b>	PROJECT LOCATION: <b>Various locations in the City</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	

### 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	AMOUNT
Est. Completion Date	ONGOING	Labor	5195106.9860	\$ 287,500
Est. Useful Life (in years)	30 YRS.	Materials	5195106.9760	\$ 337,500
Est. Total Cost	625,000	Other Contracts		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost		\$ 625,000
Balance to be funded <sup>1</sup>	625,000	<sup>1</sup> 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

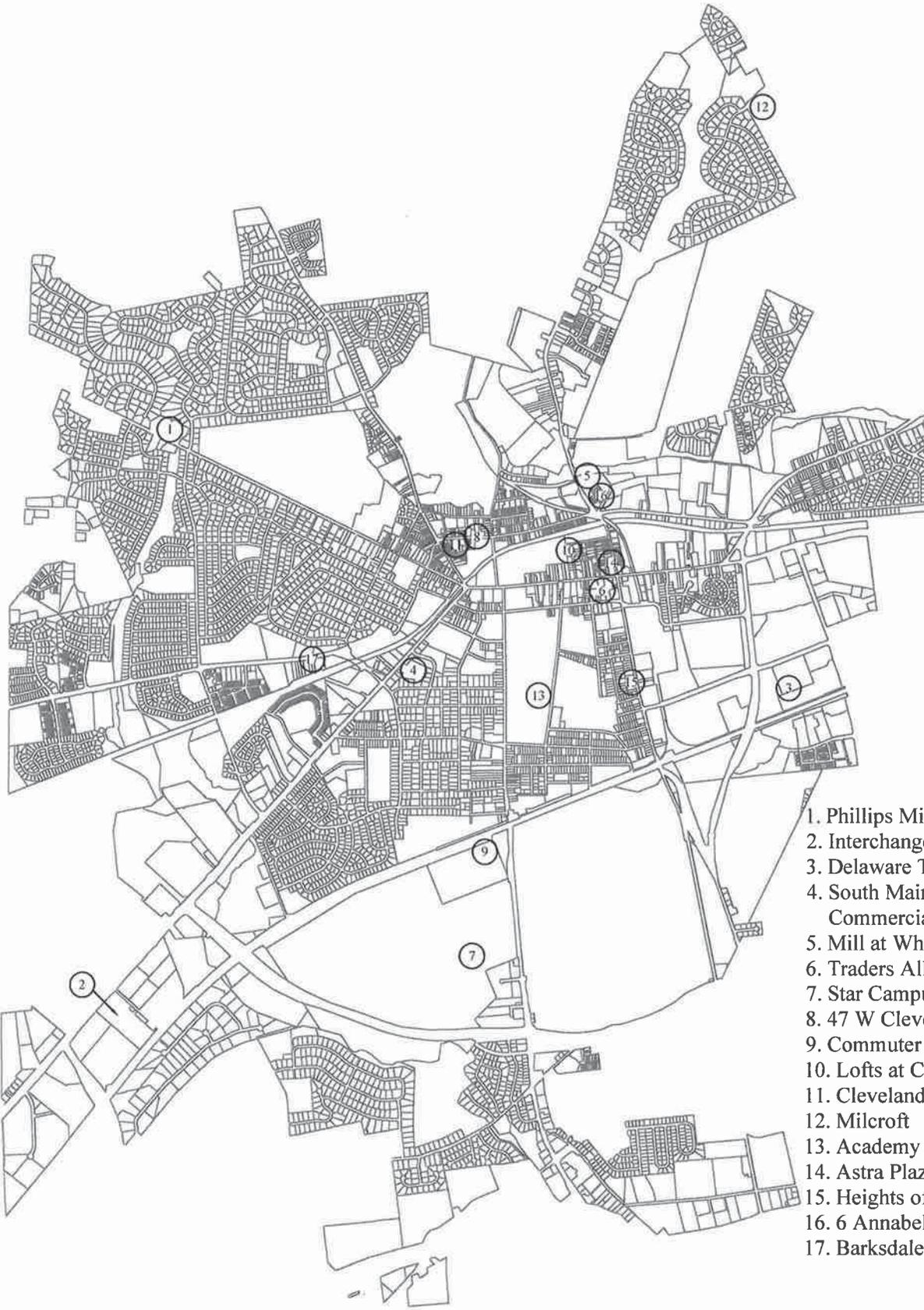
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		125,000	125,000	125,000	125,000	125,000	625,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>625,000</b>

<sup>2</sup>"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)						

# 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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E1702</b>	PROJECT TITLE: <b>Reconductor Main Street</b>	PROJECT LOCATION: <b>Main Street</b>	
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: <b>3 - Medium-High</b>		The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
<p>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.</p>			

§ 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)	30 YRS.	Materials	5195106.9730	\$ 30,000
Est. Total Cost	85,000	Other Contracts	5195106.9730	\$ 55,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost		\$ 85,000
Balance to be funded <sup>1</sup>	85,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		85,000					85,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	85,000	-	-	-	-	85,000

<sup>2</sup>"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)							

E1702

E Main St.

S Chapel St.

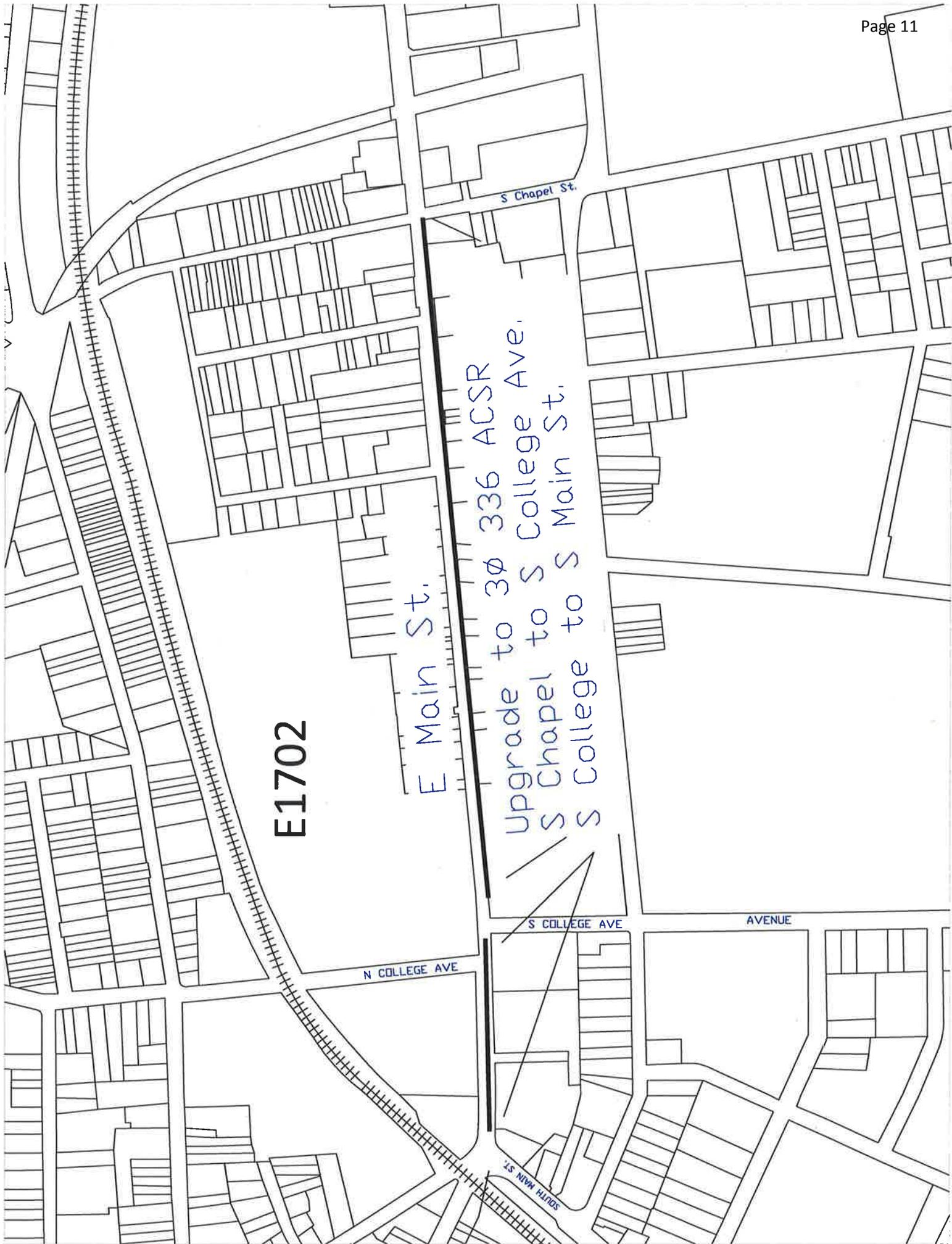
Upgrade to 3Ø 336 ACSR  
S Chapel to S College Ave.  
S College to S Main St.

N COLLEGE AVE

S COLLEGE AVE

AVENUE

SOUTH MAIN ST.



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

DEPARTMENT: <b>Electric</b>		DIVISION:
PROJECT NO: <b>E1602</b>	PROJECT TITLE: <b>Circuit Breaker Replacement</b>	PROJECT LOCATION: <b>Fremont Road Substation</b>
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> 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: <b>Sustainable Community</b>		

**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) <sup>1</sup>		Total Project Cost		\$ 65,000
Balance to be funded <sup>1</sup>	65,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			65,000				65,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	65,000	-	-	-	65,000

<sup>2</sup>"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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E1502</b>	PROJECT TITLE: <b>Star Campus Underground</b>	PROJECT LOCATION: <b>UD Star Campus</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: <b>3 - Medium-High</b>		The City would be taking a calculated risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
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) <sup>1</sup>		Total Project Cost		\$ 1,300,000
Balance to be funded <sup>1</sup>	1,300,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	-	-	-	600,000	700,000	1,300,000

<sup>2</sup>"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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E1203</b>	PROJECT TITLE: <b>CAD Software</b>	PROJECT LOCATION: <b>N/A</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: <b>4 - Medium</b> This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item			
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: <b>Sustainable Community</b>			

**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	<b>2012</b>	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
Est. Completion Date	<b>2018</b>	Labor		
Est. Useful Life (in years)	<b>15 YRS.</b>	Materials	<b>5195106.9622</b>	\$ 135,000
Est. Total Cost	<b>135,000</b>	Other Contracts		
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost		\$ 135,000
Balance to be funded <sup>1</sup>	<b>135,000</b>	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			19,500				19,500
CAPITAL RESERVES			115,500				115,500
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	<b>135,000</b>	-	-	-	<b>135,000</b>

<sup>2</sup>"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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E1104</b>	PROJECT TITLE: <b>Spacer Cable Replacement</b>	PROJECT LOCATION: <b>Various</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> 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:		<b>Sustainable Community</b>	
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) <sup>1</sup>		Total Project Cost		\$ 100,000
Balance to be funded <sup>1</sup>	100,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	-	-	-	50,000	50,000	100,000

<sup>2</sup>"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."

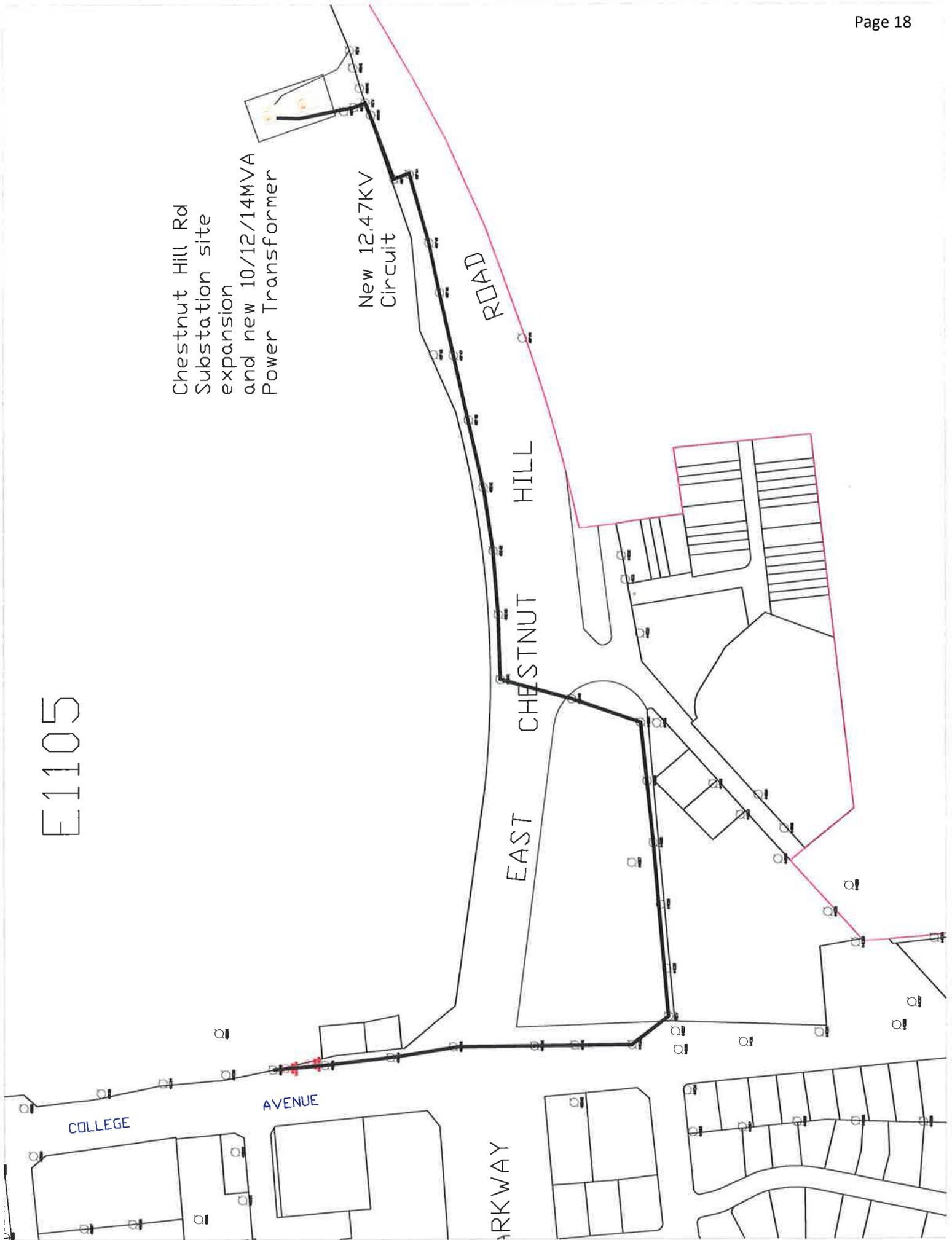
§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET							
OPERATING IMPACT	2017	2018	2019	2020	2021	TOTAL	
INCREMENTAL COSTS (NET SAVINGS)							



E1105

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

New 12.47KV  
Circuit



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

DEPARTMENT: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E0903</b>	PROJECT TITLE: <b>12kV Changeover</b>	PROJECT LOCATION: <b>Various</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input checked="" type="checkbox"/> IN PROGRESS			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
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) <sup>1</sup>	130,000	Total Project Cost		\$ 43,000
Balance to be funded <sup>1</sup>	43,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		43,000					43,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	43,000	-	-	-	-	43,000

<sup>2</sup>"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: <b>Electric</b>		DIVISION:	
PROJECT NO: <b>E0503</b>	PROJECT TITLE: <b>SCADA &amp; Automatic Switching</b>	PROJECT LOCATION: <b>Various</b>	
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input checked="" type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	

**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) <sup>1</sup>	484,042	Total Project Cost		\$ 816,000
Balance to be funded <sup>1</sup>	816,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		816,000					816,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	<b>816,000</b>	-	-	-	-	<b>816,000</b>

<sup>2</sup>"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: <b>Electric</b>	DIVISION:	
PROJECT NO: <b>EEQSF</b>	PROJECT TITLE: <b>Equipment Replacement Program</b>	PROJECT LOCATION: <b>N/A</b>
PROJECT STATUS (SELECT FROM DROP DOWN):		
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>

**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) <sup>1</sup>		Total Project Cost		\$ 1,086,000
Balance to be funded <sup>1</sup>	1,086,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>43,500</b>	<b>155,000</b>	<b>585,500</b>	<b>302,000</b>	-	<b>1,086,000</b>

<sup>2</sup>"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						
<b>TOTAL ELECTRIC UTILITY</b>									<b>\$43,500</b>	<b>\$155,000</b>	<b>\$585,500</b>	<b>\$302,000</b>	<b>\$0</b>	

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**

REVISED 11/08/2016

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			
W1701 Valve Inspection, Exercising and Rehabilitation D	\$0	\$0	\$0	\$0	\$165,000	\$125,000	\$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	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	0	0	0	0	0	0	0	0	0
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	0
W1402 Air Stripper Replacement/Storage Tank Config. D	150,000	225,000	0	225,000	1,000,000	0	0	0	0	1,225,000
W1302 Abandon Old Wells B	40,000	0	0	0	40,000	0	0	0	0	40,000
W1303 Water System Master Plan D	52,150	52,150	0	52,150	0	0	0	0	0	52,150
W1304 Eliminate Tank Overflows B	67,660	67,660	0	67,660	0	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	0	429,350
W1101 Curtis Plant Intake Replacement D	172,440	86,220	0	86,220	86,220	0	0	0	0	172,440
W1102 Lime Silo/Delivery Rehabilitation D	13,650	0	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	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	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 C	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) D	40,000	0	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
<b>Total Water Fund-Water Division</b>	<b>\$3,676,552</b>	<b>\$1,585,880</b>	<b>\$1,473,000</b>	<b>\$3,058,880</b>	<b>\$2,861,720</b>	<b>\$2,414,000</b>	<b>\$3,269,000</b>	<b>\$1,795,000</b>		<b>\$13,398,600</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$3,676,552</b>	<b>\$1,585,880</b>	<b>\$1,473,000</b>	<b>\$3,058,880</b>	<b>\$2,861,720</b>	<b>\$2,414,000</b>	<b>\$3,269,000</b>	<b>\$1,795,000</b>		<b>\$13,398,600</b>
<b>LESS: USE OF RESERVES</b>	<b>(1,265,945)</b>	<b>(1,395,880)</b>	<b>0</b>	<b>(1,395,880)</b>	<b>(126,220)</b>	<b>0</b>	<b>(25,000)</b>	<b>0</b>		<b>(1,547,100)</b>
<b>VEHICLE/EQUIPMENT REPLACEMENT</b>	<b>(275,000)</b>	<b>(190,000)</b>	<b>0</b>	<b>(190,000)</b>	<b>(12,000)</b>	<b>(20,000)</b>	<b>(210,000)</b>	<b>(75,000)</b>		<b>(507,000)</b>
<b>GRANTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>BOND ISSUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>OTHER</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$2,135,607</b>	<b>\$0</b>	<b>\$1,473,000</b>	<b>\$1,473,000</b>	<b>\$2,723,500</b>	<b>\$2,394,000</b>	<b>\$3,034,000</b>	<b>\$1,720,000</b>		<b>\$11,344,500</b>

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: <b>Public Works and Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W1701</b>	PROJECT TITLE: <b>Valve Inspection, Exercising and Rehabilitation</b>	PROJECT LOCATION: <b>Various</b>					
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS							
PRIORITY: <b>2 - High Priority Level</b> <b>Critical need to remediate failing service, prevent failure, or generate savings</b>							
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: <b>Sustainable Community</b>							
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	<b>2022</b>	Labor					
Est. Useful Life (in years)	<b>5</b>	Materials	<b>5295203.9760</b>				
Est. Total Cost	<b>540,000</b>	Other Contracts	<b>5295206.9760</b>				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost                      \$                      540,000</b>					
Balance to be funded <sup>1</sup>	<b>540,000</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	<b>0%</b>						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			<b>165,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>540,000</b>
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>165,000</b>	<b>125,000</b>	<b>125,000</b>	<b>125,000</b>	<b>540,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
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): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> 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					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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: <a href="http://www.wra.udel.edu/brandywine-christina-healthy-water-fund/">http://www.wra.udel.edu/brandywine-christina-healthy-water-fund/</a></p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS				
Est. Completion Date	2027	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	130,000	Other Contracts	5295206.9760				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost \$ 130,000					
Balance to be funded <sup>1</sup>	130,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>30,000</b>	<b>40,000</b>	<b>130,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)							

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W1703</b>	PROJECT TITLE: <b>Laird Tract Well Field</b>	PROJECT LOCATION: <b>Curtis Park/White Clay Creek SP</b>					
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS							
PRIORITY: <b>3 - Medium-High</b>		The City would be taking a calculated risk in the deferral of this item					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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 &amp; 25) and 1990 (Well 20 &amp; 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).</p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	<b>2020</b>	Labor					
Est. Useful Life (in years)	<b>100</b>	Materials					
Est. Total Cost	<b>1,600,000</b>	Other Contracts	<b>5295206.9760</b>				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost</b>	<b>\$ 1,600,000</b>				
Balance to be funded <sup>1</sup>	<b>1,600,000</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	<b>0%</b>						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES				400,000	1,200,000		1,600,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>400,000</b>	<b>1,200,000</b>	<b>-</b>	<b>1,600,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)							



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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Water</b>	
PROJECT NO: <b>W1602</b>	PROJECT TITLE: <b>Roseville Park Pressure District</b>	PROJECT LOCATION: <b>Roseville Park &amp; Delaplane Manor</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>3 - Medium-High</b>		<b>The City would be taking a calculated risk in the deferral of this item</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2016	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	2021	Labor	
Est. Useful Life (in years)	100	Materials	
Est. Total Cost	175,000	Other Contracts	<b>5295206.9760</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	25,000	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	150,000	<b>\$ 150,000</b>	
% Complete (if underway)	14%	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>
		<b>25,000</b>	<b>125,000</b>
			<b>150,000</b>
<p><sup>2</sup>"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."</p>			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
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:							
<p>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.</p> <p>2017 - Pilot project on Well 14R, design, updated cost estimate, update CIP as necessary  2018 - Bidding, and Construction begins  2019 - Construction completed</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
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) <sup>1</sup>	-	Total Project Cost		\$ 1,225,000			
Balance to be funded <sup>1</sup>	1,225,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			1,000,000				1,000,000
CAPITAL RESERVES		225,000					225,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>225,000</b>	<b>1,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,225,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Public Works &amp; Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W1302</b>	PROJECT TITLE: <b>Abandon Old Wells</b>	PROJECT LOCATION: <b>Various</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2013	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
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) <sup>1</sup>		Total Project Cost \$ 40,000					
Balance to be funded <sup>1</sup>	40,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							-
CAPITAL RESERVES			40,000				40,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	40,000	-	-	-	40,000
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)							-

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

DEPARTMENT:	Public Works & Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W1303	Water System Master Plan	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	301,530	Other Contracts	5295206.9760	\$ 52,150
Est. Spend @ 12/31 (if underway) <sup>1</sup>	249,380	Total Project Cost		\$ 52,150
Balance to be funded <sup>1</sup>	52,150	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	83%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		52,150					52,150
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	52,150	-	-	-	-	52,150

<sup>2</sup>"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:	PROJECT TITLE:	PROJECT LOCATION:	
W1101	Curtis WTP Intake Study and Replacement	Curtis WTP	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY:	1 - Highest Priority Level	Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	

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

The dam and raceway form the back bone of the system that conveys raw water from the White Clay Creek to the Newark Treatment Plant and Reservoir Pump Station. We have had the dam inspected by our engineering consultant and they determined that there is not an imminent threat of it failing but there is the potential for it to be bypassed should the White Clay Creek change course or wash out the west side embankment during a high water event. The raceway has an antiquated waste way structure and bridge assembly that controls the level in the raceway and provides access to the raceway head gates. 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		
		CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT
First Year in Program	2011	Labor		
Est. Completion Date	2019	Materials		
Est. Useful Life (in years)	15	Other Contracts	5295206.9621	\$ 172,440
Est. Total Cost	221,173	Total Project Cost \$ 172,440		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	48,733			
Balance to be funded <sup>1</sup>	172,440	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	<b>-</b>	<b>86,220</b>	<b>86,220</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>172,440</b>

<sup>2</sup>"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: <b>Public Works &amp; Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W0503</b>	PROJECT TITLE: <b>Well Restoration Program</b>	PROJECT LOCATION: <b>Various</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b> Restore / Redevelop Wells 11, 12, 13, 14, 15, 16, 17, 20, 23 as needed in anticipation of routine maintenance and rehabilitation.							
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					
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2005	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
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) <sup>1</sup>		Total Project Cost		\$ 172,000			
Balance to be funded <sup>1</sup>	172,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>28,000</b>	<b>56,000</b>	<b>29,000</b>	<b>29,000</b>	<b>30,000</b>	<b>172,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
INCREMENTAL COSTS (NET SAVINGS)							-



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

DEPARTMENT:	Public Works and Water Resources	DIVISION:	Water
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
W9302	Water SCADA	Various Locations	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 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	816,050	Other Contracts	5295206.9760	\$ 650,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>	166,050	Total Project Cost		\$ 650,000
Balance to be funded <sup>1</sup>	650,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.		
% Complete (if underway)	20%			

PROJECT FINANCING BY PLAN YEAR							
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	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)							-
<b>TOTAL</b>	-	150,000	200,000	200,000	50,000	50,000	650,000

<sup>2</sup>"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: <b>Public Works and Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W9308</b>	PROJECT TITLE: <b>2017 Water Main Replacement Program</b>	PROJECT LOCATION: <b>Various Locations</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	1993	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	75+	Materials					
Est. Total Cost	4,000,000	Other Contracts	5295206.9760				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b> \$      4,000,000					
Balance to be funded <sup>1</sup>	4,000,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>1,000,000</b>	<b>500,000</b>	<b>1,000,000</b>	<b>500,000</b>	<b>1,000,000</b>	<b>4,000,000</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Water</b>					
PROJECT NO: <b>W8605</b>	PROJECT TITLE: <b>Water Tank Maintenance</b>	PROJECT LOCATION: <b>Various</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>3 - Medium-High</b>		<b>The City would be taking a calculated risk in the deferral of this item</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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:</p> <p>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</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	1986	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
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) <sup>1</sup>	-	Total Project Cost		\$ 2,175,000			
Balance to be funded <sup>1</sup>	2,175,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>25,000</b>	<b>700,000</b>	<b>500,000</b>	<b>600,000</b>	<b>350,000</b>	<b>2,175,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
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 Ingersall 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		
<b>TOTAL WATER AND WASTE WATER UTILITY</b>									<b>\$190,000</b>	<b>\$12,000</b>	<b>\$20,000</b>	<b>\$210,000</b>	<b>\$75,000</b>	

- 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.

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

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	
Q1701	Storm System Study and Repairs	A	\$0	\$0	\$0	\$420,000	\$441,000	\$463,050	\$486,203	\$1,810,253	
Q1301	Storm Drainage Improvements	B	0	0	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	200,000	
QEQSF	Vehicle Replacement Program	D	0	60,000	0	60,000	18,000	0	0	78,000	
Total Water Fund-Stormwater Division			<u>\$0</u>	<u>\$60,000</u>	<u>\$440,000</u>	<u>\$500,000</u>	<u>\$478,000</u>	<u>\$481,000</u>	<u>\$503,050</u>	<u>\$526,203</u>	<u>\$2,488,253</u>
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			<u>\$0</u>	<u>\$0</u>	<u>\$440,000</u>	<u>\$440,000</u>	<u>\$460,000</u>	<u>\$481,000</u>	<u>\$503,050</u>	<u>\$526,203</u>	<u>\$2,410,253</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: <b>Public Works and Water Resources</b>		DIVISION: <b>Stormwater</b>					
PROJECT NO: <b>Q1701</b>	PROJECT TITLE: <b>Storm System Study and Repairs</b>	PROJECT LOCATION: <b>Citywide</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	Ongoing	Labor					
Est. Useful Life (in years)	50+	Materials					
Est. Total Cost	1,810,253	Other Contracts	5595506.9760				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b> \$ <b>1,810,253</b>					
Balance to be funded <sup>1</sup>	1,810,253	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>420,000</b>	<b>441,000</b>	<b>463,050</b>	<b>486,203</b>	<b>1,810,253</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)							-

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Stormwater</b>	
PROJECT NO: <b>Q1301</b>	PROJECT TITLE: <b>Storm Drainage Improvements</b>	PROJECT LOCATION: <b>Various Locations</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2013	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	Perpetual	Labor	
Est. Useful Life (in years)	75+	Materials	
Est. Total Cost	400,000	Other Contracts	<b>3063006.9720</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	400,000	<b>\$ 400,000</b>	
% Complete (if underway)		<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES		400,000	
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	<b>-</b>	<b>400,000</b>	<b>-</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)	-	-	-

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Stormwater Management</b>					
PROJECT NO: <b>Q0101</b>	PROJECT TITLE: <b>NPDES Stormwater Quality Program</b>	PROJECT LOCATION: <b>Various Locations</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2001	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	Perpetual	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	200,000	Other Contracts	3063006.9720				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b> \$      200,000					
Balance to be funded <sup>1</sup>	200,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>40,000</b>	<b>200,000</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	5,000	10,000	15,000	20,000	25,000	75,000	



**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						
230	2003 Sterling SC8000 Sweeper	a. 01/09/04	99,130	52,432	60,000	8	2012	2016		18,000				
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						
<b>TOTAL STORMWATER DIVISION</b>									<b>\$60,000</b>	<b>\$18,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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 BUDGET	-----2017-----		FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING					
		RESERVES & OTHER FUNDING	CURRENT FUNDING	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
<b>Total Sewer Fund</b>	<b>\$1,222,500</b>	<b>\$293,675</b>	<b>\$720,000</b>	<b>\$1,013,675</b>	<b>\$700,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$4,113,675</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$1,222,500</b>	<b>\$293,675</b>	<b>\$720,000</b>	<b>\$1,013,675</b>	<b>\$700,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$4,113,675</b>
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
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$301,366</b>	<b>\$0</b>	<b>\$720,000</b>	<b>\$720,000</b>	<b>\$700,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$800,000</b>	<b>\$3,820,000</b>

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: <b>Public Works and Water Resources</b>		DIVISION: <b>Sewer</b>	
PROJECT NO: <b>S1701</b>	PROJECT TITLE: <b>Twin Lakes Pumping Station</b>	PROJECT LOCATION: <b>Twin Lakes Subdivision</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
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) <sup>1</sup>	-	Total Project Cost		\$ 150,000
Balance to be funded <sup>1</sup>	150,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES		150,000					150,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	<b>150,000</b>	-	-	-	-	<b>150,000</b>

<sup>2</sup>"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: <b>Public Works &amp; Water Resources</b>		DIVISION: <b>Stormwater Division</b>	
PROJECT NO: <b>Q1702</b>	PROJECT TITLE: <b>Start Up Costs</b>	PROJECT LOCATION: <b>Various</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):		<b>New Project</b>	
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b> <p>In order to complete the funding mechanisms and billing units for the stormwater utility to be enacted effective January 1, 1018, 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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	<b>2017</b>	Labor	
Est. Useful Life (in years)	<b>10</b>	Materials	
Est. Total Cost	<b>250,000</b>	Other Contracts	<b>3063006.9622</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	<b>250,000</b>	<b>\$ 250,000</b>	
% Complete (if underway)	<b>0%</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			
CAPITAL RESERVES		<b>250,000</b>	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	<b>-</b>	<b>250,000</b>	<b>-</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)			<b>300</b>
			<b>300</b>
			<b>300</b>
			<b>900</b>





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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Sewer</b>	
PROJECT NO: <b>S0904</b>	PROJECT TITLE: <b>Sanitary Sewer Study and Repairs</b>	PROJECT LOCATION: <b>Various Locations</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
<p>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.</p> <p>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.</p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2009	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	ONGOING	Labor	
Est. Useful Life (in years)	50+	Materials	
Est. Total Cost	3,677,287	Other Contracts	5395306.9760
Est. Spend @ 12/31 (if underway) <sup>1</sup>	77,287	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	3,600,000	<b>\$ 3,600,000</b>	
% Complete (if underway)	2%	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES		500,000	700,000
CAPITAL RESERVES			
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	<b>-</b>	<b>500,000</b>	<b>700,000</b>
		<b>800,000</b>	<b>800,000</b>
		<b>800,000</b>	<b>800,000</b>
		<b>800,000</b>	<b>3,600,000</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
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
<b>Total Public Works-General Fund</b>	<b>\$3,364,922</b>	<b>\$2,438,000</b>	<b>\$0</b>	<b>\$2,438,000</b>	<b>\$2,670,700</b>	<b>\$2,314,894</b>	<b>\$1,945,592</b>	<b>\$2,151,804</b>	<b>\$11,520,990</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$3,364,922</b>	<b>\$2,438,000</b>	<b>\$0</b>	<b>\$2,438,000</b>	<b>\$2,670,700</b>	<b>\$2,314,894</b>	<b>\$1,945,592</b>	<b>\$2,151,804</b>	<b>\$11,520,990</b>
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
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$795,733</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,669,700</b>	<b>\$1,374,894</b>	<b>\$1,400,592</b>	<b>\$1,426,804</b>	<b>\$5,871,990</b>

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:	PROJECT TITLE:	PROJECT LOCATION:	
REQSF	Equipment Replacement Program	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) <sup>1</sup>		Total Project Cost		\$ 600,000
Balance to be funded <sup>1</sup>	600,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	200,000	-	220,000	-	180,000	600,000

<sup>2</sup>"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	--									
<b>TOTAL REFUSE DIVISION</b>									<b>\$200,000</b>	<b>\$0</b>	<b>\$220,000</b>	<b>\$0</b>	<b>\$180,000</b>

a. This vehicle scheduled to be replaced in 2016.

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Street</b>					
PROJECT NO: <b>H1701</b>	PROJECT TITLE: <b>Annual Street Program</b>	PROJECT LOCATION: <b>Various Locations</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p> <p>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."</p> <p>\$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%</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	ONGOING	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	15	Materials					
Est. Total Cost	8,766,990	Other Contracts	<b>3063006.9760</b>				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b> \$ <b>8,766,990</b>					
Balance to be funded <sup>1</sup>	8,766,990	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>1,515,000</b>	<b>1,774,700</b>	<b>1,799,894</b>	<b>1,825,592</b>	<b>1,851,804</b>	<b>8,766,990</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	-	-	-	

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Streets</b>	
PROJECT NO: <b>H1702</b>	PROJECT TITLE: <b>ADA Accessibility Transition Plan</b>	PROJECT LOCATION: <b>Various Locations</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Inclusive Community</b>	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
<p>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.</p> <p>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.</p> <p>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.</p>			

§ 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) <sup>1</sup>	960,000	Total Project Cost		\$ 600,000
Balance to be funded <sup>1</sup>	960,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	<b>-</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>120,000</b>	<b>600,000</b>

<sup>2</sup>"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: <b>Public Works and Water Resources</b>		DIVISION: <b>Streets</b>					
PROJECT NO: <b>H1503</b>	PROJECT TITLE: <b>Newark Transportation Plan Implementation</b>	PROJECT LOCATION: <b>Various Locations</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Healthy &amp; Active Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2015	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	252,000	Other Contracts	3063006.9760				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b> \$      252,000					
Balance to be funded <sup>1</sup>	252,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							-
CAPITAL RESERVES		52,000					52,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)      DelDOT		200,000					200,000
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>252,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>252,000</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Streets</b>					
PROJECT NO: <b>H1403</b>	PROJECT TITLE: <b>Pedestrian Crossing Signalization</b>	PROJECT LOCATION: <b>Various Locations</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Healthy &amp; Active Community</b>					
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2014	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	210,000	Other Contracts	3063006.9770				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	100,000	<b>Total Project Cost</b> \$ <b>110,000</b>					
Balance to be funded <sup>1</sup>	110,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							-
CAPITAL RESERVES		110,000					110,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>110,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>110,000</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	160	163	166	170	173	833	

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Streets</b>	
PROJECT NO: <b>H0206</b>	PROJECT TITLE: <b>Municipal Building Parking Lot Improvements</b>	PROJECT LOCATION: <b>City Hall</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2002	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	2018	Labor	
Est. Useful Life (in years)	15	Materials	
Est. Total Cost	550,000	Other Contracts	<b>3063006.9620</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	30,000	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	520,000	<b>\$ 520,000</b>	
% Complete (if underway)		<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			320,000
CAPITAL RESERVES			-
EQUIPMENT REPLACEMENT			-
BOND ISSUES			-
GRANTS (Specify) GREEN ENERGY			200,000
OTHER (Specify)			-
OTHER (Specify)			-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>520,000</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)	-	-	-

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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Streets</b>	
PROJECT NO: <b>HEQSF</b>	PROJECT TITLE: <b>Equipment Replacement Program</b>		PROJECT LOCATION:
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
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) <sup>1</sup>	-	Total Project Cost		\$ 585,000
Balance to be funded <sup>1</sup>	585,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>220,000</b>	<b>190,000</b>	<b>175,000</b>	-	-	<b>585,000</b>

<sup>2</sup>"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				
<b>TOTAL STREET DIVISION</b>									<b>\$220,000</b>	<b>\$190,000</b>	<b>\$175,000</b>	<b>\$0</b>	<b>\$0</b>	

- 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  
 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					
<b>TOTAL ENGINEERING DIVISION</b>									<b>\$21,000</b>	<b>\$66,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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

<u>PROJECT #/PROJECT NAME/JUSTIFICATION CODE</u>	<u>2016 BUDGET</u>	<u> -----2017----- </u>		<u>FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM R E C O M M E N D E D F U N D I N G</u>					
		<u>RESERVES &amp; OTHER FUNDING</u>	<u>CURRENT FUNDING</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL</u>
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
<b>Total Maintenance Fund-Fleet Management</b>	<b>\$350,000</b>	<b>\$352,549</b>	<b>\$0</b>	<b>\$352,549</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$392,549</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$350,000</b>	<b>\$352,549</b>	<b>\$0</b>	<b>\$352,549</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>392,549</b>
<b>LESS: USE OF RESERVES</b>	<b>(221,647)</b>	<b>(352,549)</b>	<b>0</b>	<b>(352,549)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(352,549)</b>
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
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$128,353</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

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: <b>Public Works and Water Resources</b>		DIVISION: <b>Maintenance</b>	
PROJECT NO: <b>M1401</b>	PROJECT TITLE: <b>Wireless Six Column Heavy Truck Lift System</b>	PROJECT LOCATION: <b>Maintenance Garage</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2014	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	10	Materials	
Est. Total Cost	165,000	Other Contracts	<b>6006006.9622</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	62,451	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	102,549	<b>\$ 102,549</b>	
% Complete (if underway)		<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			
CAPITAL RESERVES		102,549	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	<b>-</b>	<b>102,549</b>	<b>-</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)			
			-



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

DEPARTMENT: <b>Public Works and Water Resources</b>		DIVISION: <b>Maintenance</b>	
PROJECT NO: <b>MEQSF</b>	PROJECT TITLE: <b>Equipment Replacement Program</b>	PROJECT LOCATION:	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
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	40,000	Other Contracts	6006006.9623	\$ 40,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost		\$ 40,000
Balance to be funded <sup>1</sup>	40,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			40,000				40,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	40,000	-	-	-	40,000

<sup>2</sup>"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  
MAINTENANCE FUND - FACILITIES MANGEMENT**

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

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:	PROJECT TITLE:	PROJECT LOCATION:	
N1701	Mens Locker Room Expansion	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) <sup>1</sup>		Total Project Cost		\$ 20,000
Balance to be funded <sup>1</sup>	20,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		20,000					20,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	20,000	-	-	-	-	20,000

<sup>2</sup>"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: <b>Planning &amp; Development</b>		DIVISION: <b>Facilities Management</b>					
PROJECT NO: <b>N1702</b>	PROJECT TITLE: <b>Council Chamber Renovations</b>	PROJECT LOCATION: <b>Council Chamber - Municipal Building</b>					
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> 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:							
<p>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.</p> <p>Costs: \$5,000</p> <p>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.</p> <ul style="list-style-type: none"> <li>• Design &amp; Construction of Additional Entrance/Exit \$45,000</li> <li>• Paneling the front of the dais \$12,000 (includes \$5K for architectural design)</li> <li>• Painting of walls and railings \$500</li> <li>• New seating for visitors \$10,000</li> <li>• New tables for press &amp; overflow staff \$1,000</li> <li>• Bulletin board &amp; Whiteboard \$500</li> <li>• Additional steps on far end of dais \$3,000</li> <li>• Repurpose Paintings \$4,500</li> <li>• HVAC Unit \$12,000</li> </ul>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS				
Est. Completion Date	2018	Labor	6006006.9620				
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	93,500	Other Contracts	6006006.9620				
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost                      \$                      93,500					
Balance to be funded <sup>1</sup>	93,500	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			93,500				93,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>93,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>93,500</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Facilities Management</b>	
PROJECT NO: <b>N1703</b>	PROJECT TITLE: <b>Municipal Building Space, Infrastructure and Expansion Study</b>	PROJECT LOCATION: <b>Municipal Building</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):		<b>New Project</b>	
PRIORITY: <b>4 - Medium</b>	This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>			
<p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	<b>2018</b>	Labor	
Est. Useful Life (in years)	<b>10</b>	Materials	
Est. Total Cost	<b>150,000</b>	Other Contracts	<b>6006006.9620</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost</b>	
Balance to be funded <sup>1</sup>	<b>150,000</b>	<b>\$ 150,000</b>	
% Complete (if underway)	<b>0%</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			<b>150,000</b>
CAPITAL RESERVES			-
EQUIPMENT REPLACEMENT			-
BOND ISSUES			-
GRANTS (Specify)			-
OTHER (Specify)			-
OTHER (Specify)			-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>150,000</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)			-

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Facilities Management</b>	
PROJECT NO: <b>N1601</b>	PROJECT TITLE: <b>Municipal Buildings Repairs</b>	PROJECT LOCATION: <b>City Hall</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):		<b>In Prior Program</b>	
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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:</p> <p>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.</p>			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
I	2016	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>
Est. Completion Date	2017	Labor	
Est. Useful Life (in years)	40	Materials	
Est. Total Cost	155,570	Other Contracts	<b>3063006.9621</b>
Est. Spend @ 12/31 (if underway) <sup>1</sup>	85,570	<b>Total Project Cost</b> \$ <b>70,000</b>	
Balance to be funded <sup>1</sup>	70,000	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
% Complete (if underway)			
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			
CAPITAL RESERVES		70,000	
EQUIPMENT REPLACEMENT			
BOND ISSUES			
GRANTS (Specify)			
OTHER (Specify)			
OTHER (Specify)			
<b>TOTAL</b>	-	<b>70,000</b>	-
<p><sup>2</sup>"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."</p>			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)	1,020	1,020	1,020
			<b>2020</b>
			1,020
			<b>2021</b>
			1,020
			<b>TOTAL</b>
			5,100

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Facilities Management</b>					
PROJECT NO: <b>N1603</b>	PROJECT TITLE: <b>HVAC System Upgrades</b>	PROJECT LOCATION: <b>George Wilson Center</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:							
<p>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.</p> <p>It is anticipated that this upgrade will result in ongoing operational savings, which will be determined during a future CIP budget cycle.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2016	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	2018	Labor	3063006.9621				
Est. Useful Life (in years)	20	Materials	3063006.9621				
Est. Total Cost	98,880	Other Contracts	3063006.9621				
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost <b>\$ 98,880</b>					
Balance to be funded <sup>1</sup>	98,880	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			98,880				98,880
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>98,880</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>98,880</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	-	-	-	TBD	TBD	-	

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Facilities Management</b>					
PROJECT NO: <b>N1604</b>	PROJECT TITLE: <b>Garage Renovations</b>	PROJECT LOCATION: <b>Maintenance Yard</b>					
PROJECT STATUS (SELECT FROM DROP DOWN):		<b>In Prior Program</b>					
PRIORITY: <b>4 - Medium</b>	This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item						
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2016	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	59,695	Other Contracts	6006006.9622				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	16,695	<b>Total Project Cost</b> \$ <b>43,000</b>					
Balance to be funded <sup>1</sup>	43,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			43,000				43,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	<b>43,000</b>	-	-	-	<b>43,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
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:	PROJECT TITLE:	PROJECT LOCATION:	
NEQSF	Equipment Replacement Program		
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:			
Planned advance funding accumulated through depreciation to replace essential equipment when necessary. 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) <sup>1</sup>		Total Project Cost		\$ 25,000
Balance to be funded <sup>1</sup>	25,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			25,000				25,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	25,000	-	-	-	25,000

<sup>2</sup>"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						
<b>TOTAL FLEET MANAGEMENT DIVISION</b>									<b>\$0</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
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						
<b>TOTAL FACILITIES MANAGEMENT DIVISION</b>									<b>\$0</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>TOTAL MAINTENANCE FUND</b>									<b>\$0</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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

<u>PROJECT #/PROJECT NAME/JUSTIFICATION CODE</u>	<u>2016 BUDGET</u>	<u> -----2017----- </u>		<u>FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM R E C O M M E N D E D F U N D I N G</u>					
		<u>RESERVES &amp; OTHER FUNDING</u>	<u>CURRENT FUNDING</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL</u>
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
<b>Total Police Department</b>	<b>\$255,965</b>	<b>\$381,818</b>	<b>\$0</b>	<b>\$381,818</b>	<b>\$205,908</b>	<b>\$431,855</b>	<b>\$64,120</b>	<b>\$150,850</b>	<b>\$1,234,551</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$255,965</b>	<b>\$381,818</b>	<b>\$0</b>	<b>\$381,818</b>	<b>\$205,908</b>	<b>\$431,855</b>	<b>\$64,120</b>	<b>\$150,850</b>	<b>1,234,551</b>
<b>LESS: USE OF RESERVES</b>	<b>0</b>	<b>(51,000)</b>	<b>0</b>	<b>(51,000)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(51,000)</b>
<b>VEHICLE/EQUIPMENT REPLACEMENT</b>	<b>(214,788)</b>	<b>(330,818)</b>	<b>0</b>	<b>(330,818)</b>	<b>(202,818)</b>	<b>(413,818)</b>	<b>(48,818)</b>	<b>(114,818)</b>	<b>(1,111,090)</b>
<b>GRANTS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>BOND ISSUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>OTHER FINANCING SOURCES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$41,177</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,090</b>	<b>\$18,037</b>	<b>\$15,302</b>	<b>\$36,032</b>	<b>\$72,461</b>

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: <b>Police</b>	DIVISION:	
PROJECT NO: <b>C1701</b>	PROJECT TITLE: <b>Vehicle 940 Addition to Fleet</b>	PROJECT LOCATION: <b>Police Station</b>
PROJECT STATUS (SELECT FROM DROP DOWN):		
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>

**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) <sup>1</sup>		Total Project Cost		\$ 20,000
Balance to be funded <sup>1</sup>	20,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		20,000					20,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	<b>20,000</b>	-	-	-	-	<b>20,000</b>

<sup>2</sup>"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: <b>Police</b>			DIVISION:				
PROJECT NO: <b>C1702</b>		PROJECT TITLE: <b>NPD/UDPD 911 Center Co-location Study</b>			PROJECT LOCATION: <b>Police Station</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Sustainable Community</b>			
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p> <p>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.</p>							
§ 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) <sup>1</sup>		Total Project Cost		\$	25,000		
Balance to be funded <sup>1</sup>	25,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		25,000					25,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>25,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25,000</b>
<sup>2</sup> "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: <b>Police</b>		DIVISION:	
PROJECT NO: <b>C1601</b>	PROJECT TITLE: <b>Taser X26P Replacement</b>	PROJECT LOCATION: <b>Police Station</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p> <p>Our existing inventory of tasers are in need of replacement. A taser &amp; 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.</p>			

§ 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) <sup>1</sup>		Total Project Cost		\$ 94,090
Balance to be funded <sup>1</sup>	94,090	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>18,818</b>	<b>18,818</b>	<b>18,818</b>	<b>18,818</b>	<b>18,818</b>	<b>94,090</b>

<sup>2</sup>"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: <b>Police</b>		DIVISION:					
PROJECT NO: <b>C1401</b>	PROJECT TITLE: <b>Ballistic Vests</b>				PROJECT LOCATION: <b>Police Station</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Sustainable Community</b>			
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>The ballistic vests are necessary to ensure the safety of police officers. Ballistic vests have a five-year expiration date.</p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2015	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>		<b>AMOUNT</b>		
Est. Completion Date	ONGOING	Labor					
Est. Useful Life (in years)	5	Materials	<b>3063006.9622</b>		<b>\$ 78,461</b>		
Est. Total Cost	78,461	Other Contracts					
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost			<b>\$ 78,461</b>		
Balance to be funded <sup>1</sup>	78,461	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)							
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
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)							-
<b>TOTAL</b>	<b>-</b>	<b>6,000</b>	<b>3,090</b>	<b>18,037</b>	<b>15,302</b>	<b>36,032</b>	<b>78,461</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Police</b>		DIVISION:	
PROJECT NO: <b>CEQSF</b>	PROJECT TITLE: <b>Equipment Replacement Program</b>	PROJECT LOCATION: <b>Police Station</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
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) <sup>1</sup>		Total Project Cost		\$ 1,017,000
Balance to be funded <sup>1</sup>	1,017,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>312,000</b>	<b>184,000</b>	<b>395,000</b>	<b>30,000</b>	<b>96,000</b>	<b>1,017,000</b>

<sup>2</sup>"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	N/A					
990	2004 Chevrolet Silverado	05/03/07	2,723	--	--	N/A	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				
<b>TOTAL POLICE DEPARTMENT</b>									<b>\$312,000</b>	<b>\$184,000</b>	<b>\$395,000</b>	<b>\$30,000</b>	<b>\$96,000</b>

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	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					TOTAL	
		2017	2018	2019	2020	2021				
K1701 GWC Kitchen Rehabilitation C	\$0	\$70,000	\$0	\$70,000	\$0	\$0	\$0	\$0	\$0	\$70,000
K1702 Fence Repair and Construction B	0	15,700	0	15,700	21,600	0	0	0	0	37,300
K1703 Redd Park Trail Connector C	0	0	0	0	32,000	30,000	0	0	0	62,000
K1704 Picnic Shelter-Lumbrook Park C	0	0	0	0	45,000	0	0	0	0	45,000
K1705 Preston's Playground Utility Lines C	0	160,334	0	160,334	0	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	0	1,750,000
K1602 Picnic Shelter-Folk Park C	45,000	0	0	0	0	0	0	0	0	0
K1603 Wood/Brush Chipper D	41,000	0	0	0	0	0	0	0	0	0
K1604 Pool Resurfacing B	25,000	0	0	0	0	0	0	0	0	0
K1605 Redd Park Trail Improvements C	20,000	0	0	0	0	0	0	0	0	0
K1501 Iron Glen Park Master Plan C	0	0	0	0	50,000	0	0	0	0	50,000
K1502 Fitness Stations C	20,000	0	0	0	20,000	0	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	0	1,394,000
K1303 Facilities Accessibility C	40,000	0	0	0	45,000	85,000	0	0	0	130,000
K1305 Trail Improvements C	0	0	0	0	186,500	0	0	0	0	186,500
K1202 Kershaw Park Lot Improvements D	0	0	0	0	0	200,000	0	0	0	200,000
K1203 Old Paper Mill Park Improvements C	0	0	0	0	600,000	1,200,000	0	0	0	1,800,000
K1005 Rittenhouse Footbridge Rehabilitation B	35,000	0	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	0	130,000
KEQSF Vehicle Replacement Program D	30,000	32,000	0	32,000	240,000	90,000	0	28,000	0	390,000
<b>Total Parks &amp; Recreation Department</b>	<b>\$547,500</b>	<b>\$672,034</b>	<b>\$0</b>	<b>\$672,034</b>	<b>\$2,965,100</b>	<b>\$2,305,000</b>	<b>\$205,000</b>	<b>\$278,000</b>	<b>\$0</b>	<b>\$6,425,134</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$547,500</b>	<b>\$672,034</b>	<b>\$0</b>	<b>\$672,034</b>	<b>\$2,965,100</b>	<b>\$2,305,000</b>	<b>\$205,000</b>	<b>\$278,000</b>	<b>\$0</b>	<b>\$6,425,134</b>
LESS: USE OF RESERVES	(96,500)	(440,034)	0	(440,034)	0	0	0	0	0	(440,034)
VEHICLE/EQUIPMENT REPLACEMENT	(30,000)	(32,000)	0	(32,000)	(240,000)	(90,000)	0	(28,000)	0	(390,000)
GRANTS	(216,000)	(200,000)	0	(200,000)	(950,000)	0	0	0	0	(1,150,000)
BOND ISSUES	0	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0	0
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$205,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,775,100</b>	<b>\$2,215,000</b>	<b>\$205,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$4,445,100</b>

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: <b>Parks and Recreation</b>		DIVISION:	
PROJECT NO: <b>K1701</b>	PROJECT TITLE: <b>George Wilson Center Kitchen Rehab</b>	PROJECT LOCATION: <b>George Wilson Community Center</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Healthy &amp; Active Community</b>	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:			
<p>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.</p>			

§ 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) <sup>1</sup>	-	Total Project Cost		\$ 70,000
Balance to be funded <sup>1</sup>	70,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		70,000					70,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	<b>70,000</b>	-	-	-	-	<b>70,000</b>

<sup>2</sup>"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: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1702</b>	PROJECT TITLE: <b>Fence Repair and Construction</b>				PROJECT LOCATION: <b>Various Parks</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>2 - High Priority Level</b>		<b>Critical need to remediate failing service, prevent failure, or generate savings</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Healthy &amp; Active Community</b>			
<p><b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b></p> <p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2017	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	25	Materials					
Est. Total Cost	37,300	Other Contracts	<b>3063006.9620</b>	<b>\$</b>	<b>37,300</b>		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b>		<b>\$</b>	<b>37,300</b>		
Balance to be funded <sup>1</sup>	37,300	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			21,600				21,600
CAPITAL RESERVES		15,700					15,700
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>15,700</b>	<b>21,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37,300</b>
<p><sup>2</sup>"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."</p>							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)						-	

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

DEPARTMENT: <b>Parks and Recreation</b>		DIVISION:	
PROJECT NO: <b>K1703</b>	PROJECT TITLE: <b>Redd Park Trail Connection</b>	PROJECT LOCATION: <b>Redd Park</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			<b>New Project</b>
PRIORITY: <b>4 - Medium</b>	This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item		
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:			<b>Healthy &amp; Active Community</b>
Charter § 806.1(2) <b>DESCRIPTION &amp; JUSTIFICATION:</b>			
<p>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.</p>			

§ 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) <sup>1</sup>	-	Total Project Cost		\$ 62,000
Balance to be funded <sup>1</sup>	62,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	-	32,000	30,000	-	-	62,000

<sup>2</sup>"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: <b>Parks and Recreation</b>		DIVISION:	
PROJECT NO: <b>K1704</b>	PROJECT TITLE: <b>Picnic Shelter</b>	PROJECT LOCATION: <b>Lumbrook Park</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Healthy &amp; Active Community</b>	
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) <sup>1</sup>	-	Total Project Cost		\$ 45,000
Balance to be funded <sup>1</sup>	45,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			45,000				45,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	45,000	-	-	-	45,000

<sup>2</sup>"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:	PROJECT TITLE:	PROJECT LOCATION:	
K1705	Preston's Playground Utility Lines	Preston's Playground at Reservoir	
PROJECT STATUS (CHECK ONE): <input checked="" type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> 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	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	50	Materials		
Est. Total Cost	160,334	Other Contracts	3063006.9620	\$ 160,334
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost		\$ 160,334
Balance to be funded <sup>1</sup>	160,334	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		160,334					160,334
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	160,334	-	-	-	-	160,334

<sup>2</sup>"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: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1601</b>	PROJECT TITLE: <b>Bicycle/Pedestrian Bridge</b>				PROJECT LOCATION: <b>Curtis Mill and Kershaw Parks at Paper Mill Road</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Healthy &amp; Active Community</b>			
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2016	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	30	Materials					
Est. Total Cost	1,750,000	Other Contracts	<b>3063006.9620</b>	<b>\$</b>		<b>1,750,000</b>	
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b>		<b>\$</b>		<b>1,750,000</b>	
Balance to be funded <sup>1</sup>	1,750,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			750,000				750,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DTF		200,000					200,000
GRANTS (Specify) TAP			800,000				800,000
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>200,000</b>	<b>1,550,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,750,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

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

DEPARTMENT: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1501</b>	PROJECT TITLE: <b>Iron Glen Park Master Plan</b>				PROJECT LOCATION: <b>Iron Glen Park, Elkton Road</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Healthy &amp; Active Community</b>			
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2015	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	50	Materials					
Est. Total Cost	50,000	Other Contracts	<b>3063006.9620</b>	<b>\$</b>	<b>50,000</b>		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b>		<b>\$</b>	<b>50,000</b>		
Balance to be funded <sup>1</sup>	50,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			50,000				50,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>50,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
INCREMENTAL COSTS (NET SAVINGS)			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-striped	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
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**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: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1303</b>	PROJECT TITLE: <b>Facilities Accessability (ADA Compliance)</b>				PROJECT LOCATION: <b>Various</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>3 - Medium-High</b>		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.							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2013	CLASSIFICATION	ACCOUNT NUMBERS	AMOUNT			
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	160,000	Other Contracts	3063006.9620	\$	130,000		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	30,000	Total Project Cost		\$	130,000		
Balance to be funded <sup>1</sup>	130,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			45,000	85,000			130,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>45,000</b>	<b>85,000</b>	<b>-</b>	<b>-</b>	<b>130,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)	NA	NA	NA	NA	NA	-	

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

DEPARTMENT: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1305</b>	PROJECT TITLE: <b>Trail Improvements</b>				PROJECT LOCATION: <b>Fairfield Crest to Creek Road</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Healthy &amp; Active Community</b>			
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2014	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	20	Materials					
Est. Total Cost	186,500	Other Contracts	<b>3063006.9620</b>	<b>\$</b>	<b>186,500</b>		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	<b>Total Project Cost</b>		<b>\$</b>	<b>186,500</b>		
Balance to be funded <sup>1</sup>	186,500	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			36,500				36,500
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify) DTF			150,000				150,000
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>186,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>186,500</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)			2,800	2,800	2,800	8,400	

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

DEPARTMENT: <b>Parks and Recreation</b>		DIVISION:					
PROJECT NO: <b>K1202</b>	PROJECT TITLE: <b>Kershaw Park Parking Area Improvements</b>				PROJECT LOCATION: <b>Kershaw Park at Paper Mill Road</b>		
PROJECT STATUS (SELECT FROM DROP DOWN):							
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item					
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:				<b>Healthy &amp; Active Community</b>			
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.							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>				<b>PROJECT COST BY CATEGORY</b>			
First Year in Program	2012	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>	<b>AMOUNT</b>			
Est. Completion Date	2019	Labor					
Est. Useful Life (in years)	50	Materials					
Est. Total Cost	200,000	Other Contracts	<b>3063006.9620</b>	<b>\$</b>	<b>200,000</b>		
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost		<b>\$</b>	<b>200,000</b>		
Balance to be funded <sup>1</sup>	200,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES				200,000			200,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200,000</b>	<b>-</b>	<b>-</b>	<b>200,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)				3,000	3,000	6,000	



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

DEPARTMENT: <b>Parks and Recreation</b>		DIVISION:	
PROJECT NO: <b>K1203</b>	PROJECT TITLE: <b>Old Paper Mill Road Park Improvements</b>	PROJECT LOCATION: <b>Old Paper Mill Road Park</b>	
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>4 - Medium</b>		This project is a <b>NEED</b> and not a <b>WANT</b> , but no significant risk in the deferral of this item	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Healthy &amp; Active Community</b>	
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	AMOUNT
Est. Completion Date	2019	Labor		
Est. Useful Life (in years)	50	Materials		
Est. Total Cost	1,800,000	Other Contracts	3063006.9620	\$ 1,800,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost		\$ 1,800,000
Balance to be funded <sup>1</sup>	1,800,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			600,000	1,200,000			1,800,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	600,000	1,200,000	-	-	1,800,000

<sup>2</sup>"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)					18,000	18,000	







**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					
<b>TOTAL PARKS AND RECREATION DEPARTMENT</b>									<b>\$32,000</b>	<b>\$240,000</b>	<b>\$90,000</b>	<b>\$0</b>	<b>\$28,000</b>

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	\$0	\$47,850
V1702 Additional Parking Meters A	0	54,240	0	54,240	0	0	0	0	0	54,240
V1703 Lot Full Signs D	0	52,500	0	52,500	0	0	0	0	0	52,500
V1601 Parking Lot Surveillance Cameras B	65,000	130,000	0	130,000	37,500	0	0	0	0	167,500
V1001 Parking Lot Surface Maintenance D	26,250	0	0	0	505,850	32,600	0	105,000	0	643,450
VEQSF Vehicle Replacement Program D	27,500	25,000	0	25,000	21,000	0	28,000	0	0	74,000
<b>Total Parking Fund</b>	<b>\$274,078</b>	<b>\$309,590</b>	<b>\$0</b>	<b>\$309,590</b>	<b>\$564,350</b>	<b>\$32,600</b>	<b>\$28,000</b>	<b>\$105,000</b>	<b>\$0</b>	<b>\$1,039,540</b>
GROSS CAPITAL IMPROVEMENTS	\$274,078	\$309,590	\$0	\$309,590	\$564,350	\$32,600	\$28,000	\$105,000	\$0	\$1,039,540
LESS: USE OF RESERVES	(181,578)	(284,590)	0	(284,590)	0	0	0	0	0	(284,590)
VEHICLE/EQUIPMENT REPLACEMENT	(27,500)	(25,000)	0	(25,000)	(21,000)	0	(28,000)	0	0	(74,000)
GRANTS	0	0	0	0	0	0	0	0	0	0
BOND ISSUES	0	0	0	0	0	0	0	0	0	0
OTHER FINANCING SOURCES	0	0	0	0	0	0	0	0	0	0
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$65,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$543,350</b>	<b>\$32,600</b>	<b>\$0</b>	<b>\$105,000</b>	<b>\$0</b>	<b>\$680,950</b>

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: <b>Planning and Development</b>		DIVISION: <b>Parking</b>					
PROJECT NO: <b>V1701</b>	PROJECT TITLE: <b>LPRs for PA vehicles</b>	PROJECT LOCATION: <b>Citywide</b>					
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS							
PRIORITY: <b>4 - Medium</b> <b>This project is a NEED and not a WANT, but no significant risk in the deferral of this item</b>							
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: <b>Sustainable Community</b>							
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	<b>2017</b>	Labor					
Est. Useful Life (in years)	<b>10</b>	Materials	<b>5495406.9622</b>				
Est. Total Cost	<b>47,850</b>	Other Contracts					
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost                    \$                    47,850</b>					
Balance to be funded <sup>1</sup>	<b>47,850</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	<b>0%</b>						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							-
CAPITAL RESERVES		47,850					47,850
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>47,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>47,850</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)****ESTIMATE****		6,200	6,350	6,500	6,650	25,700	

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Parking</b>					
PROJECT NO: <b>V1702</b>	PROJECT TITLE: <b>Additional Parking Meters</b>	PROJECT LOCATION: <b>Citywide</b>					
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS							
PRIORITY: <b>4 - Medium</b> <b>This project is a NEED and not a WANT, but no significant risk in the deferral of this item</b>							
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT: <b>Healthy &amp; Active Community</b>							
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	<b>2017</b>	Labor					
Est. Useful Life (in years)	<b>10</b>	Materials					
Est. Total Cost	<b>54,240</b>	Other Contracts	<b>5495406.9622</b>				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost                      \$                      54,240</b>					
Balance to be funded <sup>1</sup>	<b>54,240</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	<b>0%</b>						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							-
CAPITAL RESERVES		54,240					54,240
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>54,240</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>54,240</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)		1,000	1,000	1,000	1,000	4,000	

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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Parking</b>					
PROJECT NO: <b>V1703</b>	PROJECT TITLE: <b>Lot Full Signs</b>	PROJECT LOCATION: <b>Lots 3 &amp; 4</b>					
PROJECT STATUS (CHECK ONE): <input type="checkbox"/> NEW <input type="checkbox"/> IN PRIOR PROGRAM <input type="checkbox"/> IN PROGRESS							
PRIORITY: <b>4 - Medium</b> <b>This project is a NEED and not a WANT, but no significant risk in the deferral of this item</b>							
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>					
<b>Charter § 806.1(2) DESCRIPTION &amp; JUSTIFICATION:</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	<b>2017</b>	<b>CLASSIFICATION</b>	<b>ACCOUNT NUMBERS</b>				
Est. Completion Date	<b>2017</b>	Labor					
Est. Useful Life (in years)	<b>10</b>	Materials					
Est. Total Cost	<b>52,500</b>	Other Contracts	<b>5495406.9622</b>				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	<b>-</b>	<b>Total Project Cost                      \$                      52,500</b>					
Balance to be funded <sup>1</sup>	<b>52,500</b>	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.					
% Complete (if underway)	<b>0%</b>						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES							
CAPITAL RESERVES		<b>52,500</b>					<b>52,500</b>
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>52,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>52,500</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)		<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,000</b>	





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

DEPARTMENT: <b>Planning and Development</b>		DIVISION: <b>Parking</b>	
PROJECT NO: <b>VEQSF</b>	PROJECT TITLE: <b>Equipment Replacement Program</b>		PROJECT LOCATION:
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: <b>1 - Highest Priority Level</b>		<b>Project underway and must be completed</b>	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		<b>Sustainable Community</b>	
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) <sup>1</sup>		Total Project Cost		\$ 74,000
Balance to be funded <sup>1</sup>	74,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>25,000</b>	<b>21,000</b>	-	<b>28,000</b>	-	<b>74,000</b>

<sup>2</sup>"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					
<b>TOTAL PARKING DIVISION</b>									<b>\$25,000</b>	<b>\$21,000</b>	<b>\$0</b>	<b>\$28,000</b>	<b>\$0</b>	

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
<b>Total Information Technology Division</b>	<b>\$426,000</b>	<b>\$562,500</b>	<b>\$0</b>	<b>\$562,500</b>	<b>\$365,000</b>	<b>\$65,000</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$1,142,500</b>
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$426,000</b>	<b>\$562,500</b>	<b>\$0</b>	<b>\$562,500</b>	<b>\$365,000</b>	<b>\$65,000</b>	<b>\$150,000</b>	<b>\$0</b>	<b>\$1,142,500</b>
<b>LESS: USE OF RESERVES</b>	<b>(240,000)</b>	<b>(562,500)</b>	<b>0</b>	<b>(562,500)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>(562,500)</b>
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	0	0	0	0	0	0	0	0	0
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$186,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$365,000</b>	<b>\$65,000</b>	<b>\$33,000</b>	<b>\$0</b>	<b>\$463,000</b>

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: 11701	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:							
<b>IMPACTED DEPARTMENT/DIVISION: Newark Police Department</b>							
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							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
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) <sup>1</sup>	-	Total Project Cost \$ 185,000					
Balance to be funded <sup>1</sup>	185,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			185,000				185,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	185,000	-	-	-	185,000
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
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: 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:							
<b>IMPACTED DEPARTMENT/DIVISION: Parks and Recreation Department</b>							
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:							
<ul style="list-style-type: none"> <li>- Online calendar simplifies facility reservations</li> <li>- Membership features support multiple fee structures</li> <li>- Facility rentals and other fees can be invoiced and automatically folded into the General Billing processes</li> <li>- Optional interface with Tyler Cashiering provides flexible point-of-sale fee processing</li> <li>- Access to real-time class registrations allows better resource planning and waiting list management</li> <li>- Ability to import spreadsheets of contact lists reduces data entry</li> <li>- SSRS reports make it easy to generate class lists, team rosters, instructor lists and more</li> <li>- Quote includes extra implementation time and project management</li> </ul>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS				
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	55,000	Other Contracts	3063006.9622				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost \$ 55,000					
Balance to be funded <sup>1</sup>	55,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			55,000				55,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>55,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
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:							
<b>IMPACTED DEPARTMENT/DIVISION: Public Works and Water Resources/Water</b>							
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.							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS				
Est. Completion Date	2017	Labor					
Est. Useful Life (in years)	10	Materials					
Est. Total Cost	80,000	Other Contracts	3063006.9622				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost \$ 80,000					
Balance to be funded <sup>1</sup>	80,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			-				-
CAPITAL RESERVES		80,000					80,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	80,000	-	-	-	-	80,000
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
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: 11705	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:							
<b>IMPACTED DEPARTMENT/DIVISION: Administration/Information Technology</b>							
<p>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.</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
First Year in Program	2017	CLASSIFICATION	ACCOUNT NUMBERS				
Est. Completion Date	2018	Labor					
Est. Useful Life (in years)	4	Materials					
Est. Total Cost	60,000	Other Contracts	3063006.9622				
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost \$ 60,000					
Balance to be funded <sup>1</sup>	60,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>
CURRENT RESOURCES			60,000				60,000
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>60,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60,000</b>
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>TOTAL</b>	
INCREMENTAL COSTS (NET SAVINGS)							

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

DEPARTMENT: Administration		DIVISION: Information Technology	
PROJECT NO: 11601	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:			
<b>IMPACTED DEPARTMENT/DIVISION: Administration/Information Technology</b>			
Replace existing virtualization infrastructure hosts (servers) every 4 years.			
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>	
First Year in Program	2016	CLASSIFICATION	ACCOUNT NUMBERS
Est. Completion Date	2020	Labor	
Est. Useful Life (in years)	4	Materials	3063006.9622
Est. Total Cost	75,000	Other Contracts	
Est. Spend @ 12/31 (if underway) <sup>1</sup>	-	Total Project Cost	
Balance to be funded <sup>1</sup>	75,000	\$ 75,000	
% Complete (if underway)	0%	<sup>1</sup> For ongoing projects, we must estimate total spent since inception through current year to derive the balance to be funded thereafter.	
<b>PROJECT FINANCING BY PLAN YEAR</b>			
<b>§ 806.1(3) SOURCE OF FUNDS</b>	<b>PRIOR<sup>2</sup></b>	<b>2017</b>	<b>2018</b>
CURRENT RESOURCES			8,000
CAPITAL RESERVES			-
EQUIPMENT REPLACEMENT			67,000
BOND ISSUES			-
GRANTS (Specify)			-
OTHER (Specify)			-
OTHER (Specify)			-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>75,000</b>
<sup>2</sup> "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."			
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>			
<b>OPERATING IMPACT</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
INCREMENTAL COSTS (NET SAVINGS)			

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

DEPARTMENT: Administration		DIVISION: Information Technology					
PROJECT NO: 11603	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:							
<b>IMPACTED DEPARTMENT/DIVISION: Newark Police Department</b>							
<p>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.</p> <p>Axis Q6045-C PTZ Dome 60Hz Network Camera  30 Cameras - \$123,000.00  Installation - \$60,000.00  OnSSI Licensing - \$12,000.00</p>							
<b>§ 806.1(3) SUMMARY OF PROJECT DATA</b>		<b>PROJECT COST BY CATEGORY</b>					
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) <sup>1</sup>	-	Total Project Cost \$ 195,000					
Balance to be funded <sup>1</sup>	195,000	<sup>1</sup> 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%						
<b>PROJECT FINANCING BY PLAN YEAR</b>							
§ 806.1(3) SOURCE OF FUNDS	PRIOR <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES			65,000	65,000			130,000
CAPITAL RESERVES		65,000					65,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	65,000	65,000	65,000	-	-	195,000
<sup>2</sup> "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."							
<b>§ 806.1(4) ESTIMATED ANNUAL COST OF OPERATING / MAINTAINING PROJECT OR ASSET</b>							
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:	PROJECT TITLE:	PROJECT LOCATION:	
11604	Fiber Network	City-Wide	
PROJECT STATUS (SELECT FROM DROP DOWN):			In Progress
PRIORITY:	3 - Medium-High <span style="float: right;">The City would be taking a calculated risk in the deferral of this item</span>		
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	AMOUNT
Est. Completion Date	2017	Labor		
Est. Useful Life (in years)	10	Materials		
Est. Total Cost	304,000	Other Contracts	3063006.9622	\$ 100,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>	204,000	Total Project Cost		\$ 100,000
Balance to be funded <sup>1</sup>	100,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES		100,000					100,000
EQUIPMENT REPLACEMENT							-
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	100,000	-	-	-	-	100,000

<sup>2</sup>"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**

<u>PROJECT #/PROJECT NAME/JUSTIFICATION CODE</u>	<u>2016 BUDGET</u>	<u> -----2017----- </u>		<u>FIVE YEAR CAPITAL IMPROVEMENTS PROGRAM RECOMMENDED FUNDING</u>						
		<u>RESERVES &amp; OTHER FUNDING</u>	<u>CURRENT FUNDING</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>TOTAL</u>	
A1601 Building Demolition D	\$22,000	\$0	\$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	
<b>Total Other Departments</b>	<b>\$22,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$122,000</b>	<b>\$25,000</b>	<b>\$17,000</b>	<b>\$25,000</b>	<b>\$239,000</b>	
<b>GROSS CAPITAL IMPROVEMENTS</b>	<b>\$182,515</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$122,000</b>	<b>\$25,000</b>	<b>\$17,000</b>	<b>\$25,000</b>	<b>\$239,000</b>	
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	
<b>NET CAPITAL IMPROVEMENTS</b>	<b>\$89,885</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

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:	PROJECT TITLE:	PROJECT LOCATION:	
AEQSF	Equipment Replacement Program		
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:			
Planned advance funding accumulated through depreciation to replace essential equipment when necessary. 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	42,000	Other Contracts	3063026.9623	\$ 42,000
Est. Spend @ 12/31 (if underway) <sup>1</sup>		Total Project Cost		\$ 42,000
Balance to be funded <sup>1</sup>	42,000	<sup>1</sup> 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 <sup>2</sup>	2017	2018	2019	2020	2021	TOTAL
CURRENT RESOURCES							-
CAPITAL RESERVES							-
EQUIPMENT REPLACEMENT			25,000		17,000		42,000
BOND ISSUES							-
GRANTS (Specify)							-
OTHER (Specify)							-
OTHER (Specify)							-
<b>TOTAL</b>	-	-	25,000	-	17,000	-	42,000

<sup>2</sup>"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:	Code Enforcement
PROJECT NO:	PROJECT TITLE:	PROJECT LOCATION:	
BEQSF	Equipment Replacement Program		
PROJECT STATUS (SELECT FROM DROP DOWN):			
PRIORITY: 1 - Highest Priority Level		Project underway and must be completed	
COMPREHENSIVE DEVELOPMENT PLANNING VISION ELEMENT:		Sustainable Community	
Charter § 806.1(2) DESCRIPTION & JUSTIFICATION:			
Planned advance funding accumulated through depreciation to replace essential equipment when necessary. 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) <sup>1</sup>		Total Project Cost		\$ 197,000
Balance to be funded <sup>1</sup>	197,000	<sup>1</sup> 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 <sup>2</sup>	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)							-
<b>TOTAL</b>	-	<b>50,000</b>	<b>97,000</b>	<b>25,000</b>	-	<b>25,000</b>	<b>197,000</b>

<sup>2</sup>"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			
<b>TOTAL CODE ENFORCEMENT DIVISION</b>									<b>\$50,000</b>	<b>\$97,000</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$25,000</b>
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			
<b>TOTAL ADMINISTRATIVE DEPARTMENT</b>									<b>\$0</b>	<b>\$25,000</b>	<b>\$0</b>	<b>\$17,000</b>	<b>\$0</b>
FINANCE DEPARTMENT:													
1056	2009 Ford Focus	04/03/09	12,369	46,314	75,000	12	2021	2022					
<b>TOTAL FINANCE DEPARTMENT</b>									<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>TOTAL OTHER DEPARTMENTS</b>									<b>\$50,000</b>	<b>\$122,000</b>	<b>\$25,000</b>	<b>\$17,000</b>	<b>\$25,000</b>
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													